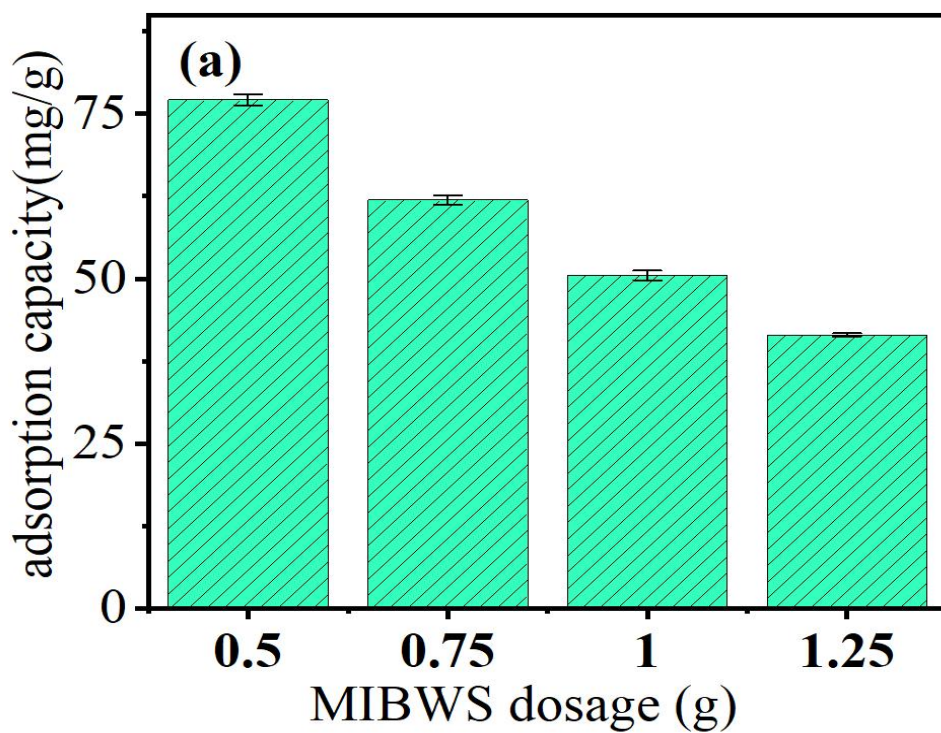


MIBWS dosage (g)	adsorption capacity(mg/g)	(Er±)
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0.75	61.92	0.646611139
1	50.47	0.74065068
1.25	41.47	0.244655835



Field (G)	FeS@CMIS0.75	Field (G)	FeS@CMIS1	Field (G)	FeS@CMIS1	Field (G)	FeS@CMIS1.25
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-18967.3	-7.23473913	-19233.9	-0.468358382	-19068	-7.734923664	-19232.7	-14.88812121
-19351.8	-7.234347826	-18937.7	-0.468353179	-19947.4	-7.734618321	-19210.4	-14.88793939
-19375.9	-7.234304348	-18746.9	-0.468336416	-18851.9	-7.734351145	-18954.2	-14.886
-18466	-7.23426087	-18430.2	-0.468284393	-18595.7	-7.733358779	-18764.8	-14.88418182
-18431.1	-7.234173913	-19965.1	-0.468256647	-18379.1	-7.732251908	-18446.2	-14.88036364
-17985.3	-7.2252652174	-18216.8	-0.468232327	-18067.4	-7.730267176	-18234.3	-14.87727273
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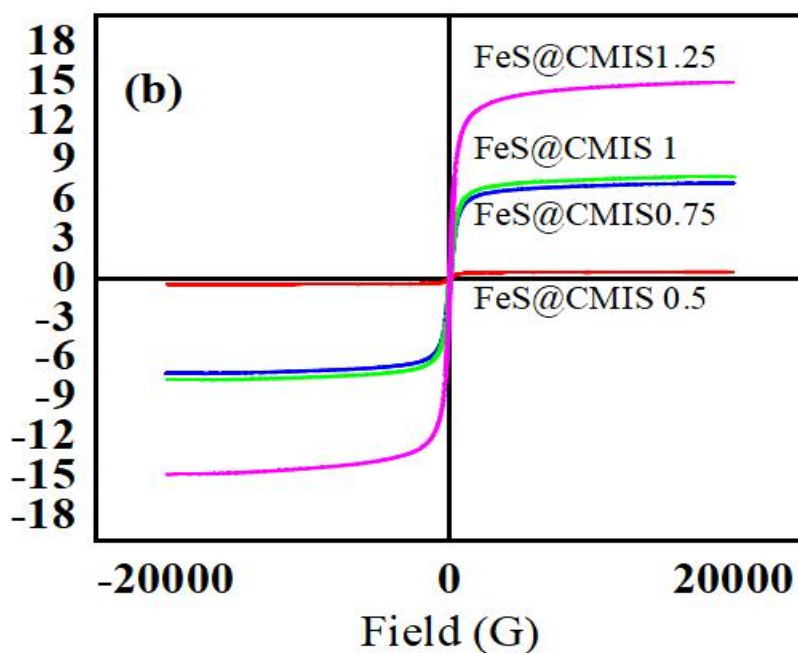
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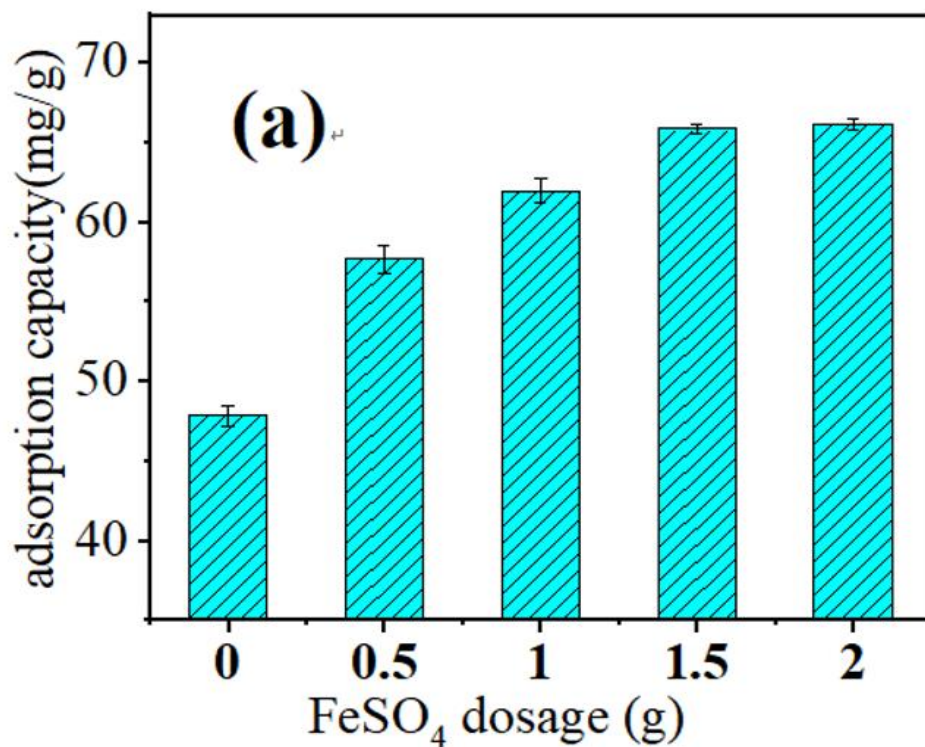
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1429.12	6.03973913	1421.43	0.394584393	1470.51	6.480687023	1416.8	12.31890909
1495.37	6.057869565	1515.8	0.39842948	1514.01	6.50870229	1494.07	12.34363636
1525.62	6.100826087	1491.71	0.398558382	1558.22	6.536259542	1512.65	12.43375758
1596.47	6.11973913	1594.51	0.402040462	1614.92	6.569236641	1588.35	12.45163636
1624.36	6.1489565217	1618.89	0.402268208	1662.13	6.594541985	1611.57	12.53109091
1697.67	6.169347826	1690.34	0.40493815	1711.79	6.620267176	1691.19	12.56260601
1724.32	6.196782609	1719	0.405381503	1762.16	6.644198473	1711.85	12.62660606
1797.94	6.215391304	1790.36	0.407782081	1812.12	6.667366412	1791.26	12.65266667
1824.36	6.241	1818.9	0.40809422	1862.17	6.689732824	1811.77	12.72587879
1897.8	6.258782609	1890.53	0.41034104	1911.86	6.709694656	1891.34	12.7309697
1924.98	6.275434783	1925.04	0.410838728	1994.67	6.742290076	1911.94	12.79151515
2012.51	6.313304348	1990.66	0.412922543	2012.42	6.748091603	1999.49	12.80278788
2019.08	6.315695652	2094.41	0.415171098	2110.92	6.784045802	2005.95	12.85242424
2192.49	6.370565217	2104.73	0.415375145	2192.49	6.81019084	2174.74	12.96357576
2203.25	6.373782609	2277.87	0.418565896	2295.37	6.84148855	2182.93	12.96806061
2392.37	6.424826087	2304.25	0.419028324	2392.94	6.86851145	2374.5	13.08321212
2402.79	6.427434783	2478.34	0.421771676	2494.81	6.894961832	2382.66	13.088
2592.35	6.469956522	2505.34	0.422130636	2593.46	6.918320611	2574.94	13.19193939
2602.83	6.472217391	2677.69	0.424488439	2695.37	6.940229008	2583.42	13.19654545
2792.22	6.509391304	2704.87	0.424844509	2793.4	6.960305344	2774.12	13.292
2803.17	6.511478261	2877.42	0.426908671	2895.09	6.979503817	2783.36	13.29648485
2994.14	6.544608696	2905.14	0.427220231	2993.06	6.997099237	2978.83	13.3850303
3003.6	6.546217391	3082.54	0.429147977	3100.86	7.014770992	2983	13.38684848
3198.5	6.576826087	3096.76	0.42929711	3187.3	7.028015267	3177.69	13.46690909
3200.09	6.577086957	3284.25	0.431123121	3299.85	7.043854962	3180.47	13.468
3392.51	6.604956522	3300.88	0.431280347	3386.94	7.055801527	3374.38	13.53866667
3397.67	6.605695652	3478.5	0.432872832	3495.11	7.070381679	3379.27	13.54030303
3592.5	6.631434783	3504.78	0.433091329	3593.36	7.083358779	3574.86	13.60466667
3603.19	6.63273913	3678.37	0.434534104	3694.63	7.097328244	3582.75	13.60709091
3791.93	6.65573913	3705.07	0.434746821	3792.75	7.110381679	3775.03	13.66369697
3803.13	6.657086957	3878.17	0.436032948	3895.37	7.123358779	3783.18	13.66593939
3992.09	6.678086957	3904.83	0.436226012	3993.52	7.13648855	3974.63	13.71715152
4003.23	6.679304348	4077.98	0.437423699	4095.05	7.149160305	3983.19	13.71933333
4192.55	6.699086957	4104.92	0.437597688	4193.22	7.161145038	4174.23	13.76636364
4203.06	6.700130435	4278.38	0.438752023	4295.55	7.173740458	4182.82	13.76848485
4392.39	6.719347826	4304.6	0.438922543	4393	7.185038168	4374.76	13.81345455
4402.59	6.720391304	4478.16	0.43999422	4494.91	7.196450382	4382.89	13.81527273
4591.94	6.738521739	4504.46	0.440156069	4592.84	7.207175573	4574.78	13.85709091
4603.12	6.739565217	4678.34	0.441185549	4695.42	7.217900763	4582.86	13.85884848
4792.43	6.756826087	4704.28	0.441326012	4792.75	7.227671756	4775.31	13.89806061
4803.65	6.757782609	4878.16	0.442313295	4895.78	7.237709924	4782.87	13.89957576
4996.51	6.774695652	4926.93	0.442581503	5015.79	7.24889313	4973.73	13.93739394
5097.65	6.783043478	5067.64	0.44330578	5080.07	7.254770992	5000.58	13.94206061
5439.12	6.809695652	5375.73	0.444802312	5418.7	7.283129771	5385.67	14.00890909
5596.66	6.821086957	5392.52	0.444882081	5462.26	7.286564885	5437.84	14.01727273
5927.26	6.843782609	5854.58	0.446903468	5941.17	7.319389313	5883.29	14.08745455
6080.5	6.853869565	5923.28	0.447186705	5946.07	7.319694656	5917.62	14.09266667
6424.83	6.875	6384.16	0.448924277	6426.09	7.345496183	6377.02	14.15793939
6595.09	6.884826087	6400.51	0.448982659	6471.8	7.34759542	6440.34	14.16606061
6929.67	6.903347826	6885.76	0.450642197	6928.86	7.368053435	6880.8	14.22339394
7107.03	6.912782609	6905.56	0.450706936	6972.4	7.370038168	6949.45	14.23206061
7433.52	6.92926087	7388.97	0.452206936	7434.51	7.39019084	7383.96	14.28187879
7611.58	6.93773913	7408.8	0.452264162	7477.03	7.391755725	7453.93	14.28921212
7936.73	6.95273913	7893.24	0.453656647	7936.07	7.411450382	7889.16	14.33163636
8114.15	6.960652174	7911.04	0.453706936	7979.78	7.413435115	7955.64	14.33769697
8440.84	6.974608696	8396.51	0.455020809	8440.49	7.43370229	8390.61	14.37569697
8616.98	6.981913043	8415.47	0.455071098	8483.84	7.435648855	8459.23	14.38151515
8944.05	6.995086957	8900.09	0.456280925	8943.85	7.455419847	8895.42	14.41636364
9120.18	7.001869565	8919.29	0.456328324	8986.65	7.457290076	8963.84	14.42157576
9447.96	7.014173913	9401.49	0.457468208	9446.65	7.476946565	9400.08	14.45345455
9623.22	7.020652174	9422.93	0.457517919	9490.13	7.478778626	9464.89	14.458
9950.36	7.032434783	9905.1	0.458602312	9952.28	7.497900763	9902.5	14.48763636
10126.6	7.038652174	9927.43	0.458651445	9991.94	7.499541985	9969.48	14.49187879

10455.2	7.050173913	10407.5	0.459698844	10455.7	7.518320611	10407.6	14.51993939
10629.9	7.056217391	10429.7	0.459746243	10497.2	7.52	10471.5	14.524
10964.6	7.067695652	10911.8	0.460769364	10969.9	7.53870229	10910.9	14.55133333
11133.3	7.073391304	10949.8	0.460849711	10998.3	7.53980916	10975.6	14.55539394
11482.8	7.085	11403.6	0.461788439	11478.3	7.558053435	11439.9	14.58406061
11616.3	7.089391304	11453.3	0.461887283	11492.4	7.558549618	11468	14.58587879
11967.9	7.100695652	11902.5	0.462789595	11967.3	7.575305344	11918.3	14.61381818
12133.6	7.105956522	11942.7	0.462867052	11989	7.576068702	11966.6	14.61678788
12471.4	7.116347826	12421.2	0.463791329	12470.7	7.592061069	12423.3	14.64478788
12642.4	7.121478261	12446.7	0.463838728	12508	7.593244275	12483.1	14.64836364
12975.7	7.131130435	12921.7	0.464716185	12977.1	7.60851145	12927.2	14.67430303
13142.9	7.135826087	12950.7	0.46476763	13009.3	7.609541985	12986.1	14.67757576
13481.2	7.145043478	13425.3	0.4656	13480.3	7.624923664	13432	14.70169697
13646	7.149304348	13456.3	0.465653179	13512.7	7.625992366	13488.9	14.70466667
13985.7	7.157869565	13926.7	0.466427746	13985.7	7.641450382	13936.3	14.7269697
14147.5	7.161695652	13960.5	0.466482081	14013.3	7.642328244	13989.5	14.72951515
14491.2	7.169608696	14428	0.467199422	14493	7.657633588	14444.9	14.7510303
14648.1	7.173043478	14467.6	0.467254913	14515.3	7.658358779	14490.6	14.75315152
15000.2	7.180434783	14928.1	0.467897688	14998.5	7.673091603	14949.3	14.77418182
15147.8	7.18326087	14973	0.467956069	15015.2	7.673587786	14992.2	14.77612121
15507.5	7.189695652	15427.9	0.468505202	15506.9	7.688816794	15458.2	14.79557576
15648.4	7.192391304	15482.8	0.46857052	15513.7	7.689045802	15491.9	14.7970303
16016.6	7.19926087	15926	0.469132948	16014.7	7.705305344	15967.2	14.81575758
16146	7.201521739	15992.2	0.469209249	16017	7.705381679	15990.3	14.81660606
16547.6	7.20773913	19995.2	0.469259538	16510.9	7.717709924	16486.1	14.83357576
16641.5	7.209043478	19678.3	0.469572832	16528.7	7.718091603	16489.4	14.83369697
17047.4	7.214	19658.1	0.469590751	19995.7	7.719732824	16967.9	14.84781818
17134.7	7.214913043	19638.2	0.469608092	19678.7	7.725763359	17006.5	14.84890909
17556.4	7.21873913	19618.1	0.469626012	19659	7.726068702	17467.7	14.86048485
17613.3	7.219173913	16423.4	0.469638728	19638.8	7.726412214	17505.7	14.86133333
19995.3	7.220086957	19533.4	0.469696532	16986.8	7.726564885	17971	14.8709697
19678.1	7.222	16524.1	0.469723121	19618.8	7.726717557	18023.6	14.87193939
18073.8	7.2222	19268.4	0.469892486	19545.4	7.727862595	18462.5	14.87909091
19658.4	7.222086957	19241.7	0.469910405	17073.5	7.727862595	18547.2	14.88030303
19638.3	7.222173913	16901.2	0.469985549	19375.4	7.730267176	18948.1	14.8850303
19618.2	7.22226087	19106.5	0.469993064	19333.6	7.730801527	19080.4	14.88630303
18125.4	7.22226087	17020.3	0.470052023	17496.6	7.733015267	19336.7	14.88824242
19544.5	7.222608696	18888	0.470106358	19130.4	7.733053435	19377.8	14.88848485
19394.2	7.223130435	17410.3	0.470214451	17556	7.733549618	19522.3	14.88927273
19373.7	7.223173913	18572.1	0.470225434	18970.3	7.734465649	19618.1	14.88969697
18597.8	7.223695652	17529.8	0.470247977	17995.2	7.736374046	19638.2	14.88975758
19131.9	7.22373913	18400	0.470268208	18598.9	7.736526718	19658.3	14.88981818
18616.3	7.22373913	17908.3	0.470305202	18073.2	7.736603053	19678.1	14.88987879
19098.1	7.223782609	18047	0.470307514	18486	7.736832061	19995.2	14.89042424

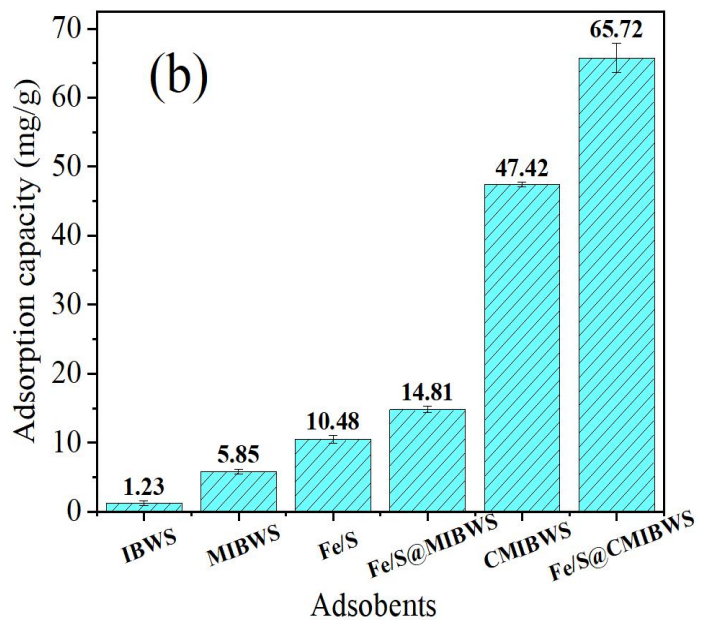


FeSO <sub>4</sub> dosage (g)	adsorption capacity(mg/g)	Er±
0	47.82	0.6475659
0.5	57.65	0.844624968
1	61.92	0.74065068
1.5	65.82	0.32
2	66.12	0.35843

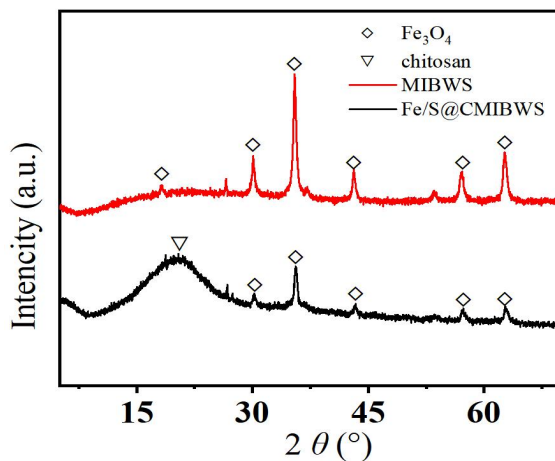




Adsorbents	Adsorption capacity (mg/g)	(Er ±)
IBWS	1.23185	0.34462
MIBWS	5.84509	0.34065
Fe/S	10.48	0.5235
Fe/S@MIBWS	14.81	0.4675
CMIBWS	47.42	0.32
Fe/S@CMIBWS	65.72	2.12542
PANI@MIBWS	108.41482	3.72124



2 $\theta$ (°)	Intensity (a.u.)	
	Fe/S@CMIBWS	MIBWS
5	1432	3473
5.02	1361	3485
5.04	1446	3412
5.06	1423	3436
5.08	1430	3452
5.1	1462	3445
5.12	1421	3447
5.14	1389	3451
5.16	1417	3482
5.18	1375	3439
5.2	1397	3518
5.22	1393	3478
5.24	1351	3448
5.26	1379	3427
5.28	1349	3458
5.3	1353	3445
5.32	1430	3472
5.34	1341	3447
5.36	1372	3445
5.38	1423	3468
5.4	1361	3402
5.42	1446	3463
5.44	1382	3491
5.46	1353	3366
5.48	1414	3419
5.5	1437	3431
5.52	1424	3401
5.54	1327	3422
5.56	1413	3408
5.58	1371	3479
5.6	1398	3405
5.62	1370	3381
5.64	1320	3448
5.66	1327	3448
5.68	1393	3418
5.7	1353	3410
5.72	1348	3391
5.74	1346	3426
5.76	1343	3414
5.78	1409	3408
5.8	1420	3443
5.82	1443	3393
5.84	1385	3352
5.86	1376	3444
5.88	1330	3391
5.9	1383	3445
5.92	1351	3461
5.94	1325	3419
5.96	1326	3454
5.98	1415	3394
6	1374	3378
6.02	1392	3363
6.04	1340	3324
6.06	1388	3323
6.08	1371	3373
6.1	1404	3377
6.12	1366	3414
6.14	1279	3423
6.16	1361	3365
6.18	1314	3406
6.2	1348	3365
6.22	1376	3418



2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
6.24	1280	3366
6.26	1269	3366
6.28	1326	3417
6.3	1362	3383
6.32	1311	3390
6.34	1339	3397
6.36	1301	3350
6.38	1319	3384
6.4	1339	3372
6.42	1297	3365
6.44	1331	3427
6.46	1280	3318
6.48	1241	3392
6.5	1362	3299
6.52	1345	3362
6.54	1320	3337
6.56	1319	3374
6.58	1334	3360
6.6	1311	3343
6.62	1327	3346
6.64	1244	3386
6.66	1318	3393
6.68	1284	3361
6.7	1283	3344
6.72	1278	3359
6.74	1313	3344
6.76	1243	3360
6.78	1231	3328
6.8	1298	3397
6.82	1311	3340
6.84	1210	3327
6.86	1284	3300
6.88	1357	3378
6.9	1208	3329
6.92	1258	3308
6.94	1262	3317
6.96	1264	3339
6.98	1212	3336
7	1301	3322
7.02	1223	3348
7.04	1238	3311
7.06	1244	3296
7.08	1247	3324
7.1	1204	3318
7.12	1227	3316
7.14	1213	3290
7.16	1245	3309
7.18	1219	3268
7.2	1201	3364
7.22	1162	3314
7.24	1144	3369
7.26	1199	3288
7.28	1159	3335
7.3	1133	3369
7.32	1239	3321
7.34	1153	3300
7.36	1183	3285
7.38	1161	3320
7.4	1150	3272
7.42	1242	3333
7.44	1160	3291
7.46	1129	3373

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
7.48	1177	3332
7.5	1136	3306
7.52	1153	3316
7.54	1216	3324
7.56	1212	3365
7.58	1163	3307
7.6	1140	3376
7.62	1155	3309
7.64	1197	3290
7.66	1138	3324
7.68	1169	3307
7.7	1117	3301
7.72	1114	3340
7.74	1137	3363
7.76	1133	3289
7.78	1151	3363
7.8	1150	3338
7.82	1100	3362
7.84	1102	3299
7.86	1117	3314
7.88	1103	3306
7.9	1125	3332
7.92	1133	3377
7.94	1108	3346
7.96	1069	3318
7.98	1117	3332
8	1100	3360
8.02	1142	3352
8.04	1111	3339
8.06	1180	3315
8.08	1112	3338
8.1	1192	3335
8.12	1166	3328
8.14	1067	3391
8.16	1065	3292
8.18	1052	3336
8.2	1068	3335
8.22	1121	3361
8.24	1056	3356
8.26	1115	3284
8.28	1138	3311
8.3	1085	3280
8.32	1059	3347
8.34	1088	3363
8.36	1058	3378
8.38	1034	3332
8.4	1000	3415
8.42	1052	3359
8.44	1026	3343
8.46	1114	3352
8.48	1059	3339
8.5	1081	3362
8.52	1030	3384
8.54	1086	3333
8.56	1081	3329
8.58	1086	3333
8.6	1075	3357
8.62	1050	3362
8.64	1076	3375
8.66	1079	3388
8.68	1067	3380
8.7	1155	3398

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
8.72	1067	3360
8.74	1091	3395
8.76	1033	3346
8.78	1050	3371
8.8	1080	3404
8.82	1079	3410
8.84	1084	3303
8.86	1036	3415
8.88	1039	3402
8.9	1036	3431
8.92	1058	3316
8.94	1061	3399
8.96	1070	3385
8.98	1070	3367
9	1057	3406
9.02	1079	3360
9.04	1064	3368
9.06	1092	3420
9.08	1091	3389
9.1	1082	3338
9.12	1122	3363
9.14	1078	3384
9.16	1064	3355
9.18	1113	3386
9.2	1059	3443
9.22	1109	3354
9.24	1048	3292
9.26	1046	3398
9.28	1110	3377
9.3	1086	3402
9.32	1083	3422
9.34	1085	3423
9.36	1055	3409
9.38	1024	3403
9.4	1064	3401
9.42	1064	3399
9.44	1029	3390
9.46	1082	3335
9.48	1119	3377
9.5	1078	3404
9.52	1105	3385
9.54	1099	3366
9.56	1036	3424
9.58	1039	3399
9.6	1029	3377
9.62	1110	3375
9.64	1057	3386
9.66	1085	3363
9.68	1147	3362
9.7	1074	3406
9.72	1099	3408
9.74	1072	3378
9.76	1104	3381
9.78	1113	3356
9.8	1123	3445
9.82	1059	3375
9.84	1120	3405
9.86	1063	3405
9.88	1113	3384
9.9	1089	3431
9.92	1107	3407
9.94	1118	3363

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
9.96	1051	3420
9.98	1074	3343
10	1085	3379
10.02	1096	3421
10.04	1115	3402
10.06	1101	3416
10.08	1161	3388
10.1	1116	3388
10.12	1157	3457
10.14	1092	3438
10.16	1110	3414
10.18	1110	3387
10.2	1123	3423
10.22	1066	3466
10.24	1151	3454
10.26	1113	3401
10.28	1147	3377
10.3	1124	3472
10.32	1058	3384
10.34	1114	3409
10.36	1092	3410
10.38	1129	3414
10.4	1186	3462
10.42	1145	3456
10.44	1182	3417
10.46	1137	3418
10.48	1115	3452
10.5	1117	3411
10.52	1136	3440
10.54	1119	3423
10.56	1159	3473
10.58	1141	3489
10.6	1134	3493
10.62	1118	3463
10.64	1184	3460
10.66	1152	3445
10.68	1100	3433
10.7	1127	3400
10.72	1169	3452
10.74	1133	3506
10.76	1199	3512
10.78	1184	3424
10.8	1141	3494
10.82	1077	3478
10.84	1134	3477
10.86	1214	3474
10.88	1164	3491
10.9	1223	3449
10.92	1092	3477
10.94	1179	3461
10.96	1204	3448
10.98	1189	3478
11	1145	3464
11.02	1210	3404
11.04	1175	3462
11.06	1195	3479
11.08	1160	3469
11.1	1161	3430
11.12	1170	3502
11.14	1156	3487
11.16	1118	3516
11.18	1194	3419

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
11.2	1177	3439
11.22	1135	3485
11.24	1184	3444
11.26	1181	3404
11.28	1201	3512
11.3	1150	3442
11.32	1210	3485
11.34	1223	3460
11.36	1167	3449
11.38	1175	3485
11.4	1232	3472
11.42	1185	3518
11.44	1228	3504
11.46	1186	3504
11.48	1272	3545
11.5	1212	3523
11.52	1154	3504
11.54	1202	3510
11.56	1167	3497
11.58	1210	3487
11.6	1191	3514
11.62	1222	3495
11.64	1202	3484
11.66	1220	3487
11.68	1163	3513
11.7	1244	3470
11.72	1342	3547
11.74	1182	3506
11.76	1168	3546
11.78	1228	3587
11.8	1250	3490
11.82	1281	3552
11.84	1248	3485
11.86	1176	3458
11.88	1279	3569
11.9	1209	3591
11.92	1218	3603
11.94	1282	3561
11.96	1226	3503
11.98	1263	3525
12	1300	3525
12.02	1266	3511
12.04	1260	3531
12.06	1206	3526
12.08	1289	3451
12.1	1345	3566
12.12	1305	3501
12.14	1205	3534
12.16	1233	3593
12.18	1226	3562
12.2	1196	3526
12.22	1283	3503
12.24	1206	3483
12.26	1261	3506
12.28	1270	3573
12.3	1270	3495
12.32	1281	3568
12.34	1312	3548
12.36	1329	3484
12.38	1292	3464
12.4	1226	3556
12.42	1299	3497

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
12.44	1259	3614
12.46	1271	3547
12.48	1268	3518
12.5	1252	3508
12.52	1305	3650
12.54	1316	3548
12.56	1260	3525
12.58	1307	3551
12.6	1298	3589
12.62	1232	3556
12.64	1335	3468
12.66	1292	3544
12.68	1371	3541
12.7	1242	3566
12.72	1308	3499
12.74	1261	3528
12.76	1321	3535
12.78	1285	3519
12.8	1346	3550
12.82	1347	3634
12.84	1342	3552
12.86	1339	3541
12.88	1354	3528
12.9	1318	3547
12.92	1307	3540
12.94	1377	3551
12.96	1354	3590
12.98	1380	3586
13	1357	3515
13.02	1372	3537
13.04	1345	3549
13.06	1412	3569
13.08	1370	3615
13.1	1388	3578
13.12	1322	3558
13.14	1341	3553
13.16	1328	3594
13.18	1358	3591
13.2	1359	3614
13.22	1364	3572
13.24	1413	3549
13.26	1294	3585
13.28	1355	3540
13.3	1384	3573
13.32	1291	3623
13.34	1337	3632
13.36	1388	3664
13.38	1336	3590
13.4	1317	3593
13.42	1391	3545
13.44	1430	3590
13.46	1370	3618
13.48	1370	3646
13.5	1404	3673
13.52	1427	3616
13.54	1394	3587
13.56	1456	3633
13.58	1434	3676
13.6	1386	3625
13.62	1412	3601
13.64	1432	3533
13.66	1424	3620



2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
13.68	1450	3634
13.7	1407	3610
13.72	1378	3640
13.74	1378	3637
13.76	1345	3589
13.78	1452	3583
13.8	1407	3623
13.82	1443	3601
13.84	1451	3615
13.86	1454	3640
13.88	1407	3633
13.9	1491	3623
13.92	1470	3592
13.94	1401	3601
13.96	1406	3611
13.98	1420	3618
14	1427	3650
14.02	1437	3615
14.04	1460	3659
14.06	1381	3625
14.08	1474	3634
14.1	1509	3606
14.12	1509	3630
14.14	1526	3645
14.16	1507	3641
14.18	1499	3621
14.2	1503	3644
14.22	1482	3688
14.24	1410	3602
14.26	1519	3608
14.28	1457	3573
14.3	1443	3639
14.32	1445	3583
14.34	1537	3579
14.36	1479	3578
14.38	1385	3600
14.4	1438	3633
14.42	1473	3597
14.44	1515	3610
14.46	1414	3607
14.48	1511	3656
14.5	1489	3603
14.52	1523	3601
14.54	1556	3603
14.56	1534	3649
14.58	1521	3607
14.6	1487	3607
14.62	1485	3602
14.64	1574	3639
14.66	1605	3634
14.68	1569	3626
14.7	1626	3640
14.72	1581	3634
14.74	1552	3685
14.76	1498	3639
14.78	1567	3597
14.8	1560	3659
14.82	1596	3632
14.84	1551	3603
14.86	1630	3646
14.88	1595	3701
14.9	1508	3650

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
14.92	1551	3640
14.94	1579	3686
14.96	1584	3653
14.98	1659	3689
15	1546	3618
15.02	1678	3655
15.04	1694	3639
15.06	1637	3654
15.08	1634	3629
15.1	1536	3623
15.12	1610	3664
15.14	1591	3666
15.16	1562	3631
15.18	1613	3667
15.2	1654	3667
15.22	1621	3634
15.24	1619	3705
15.26	1629	3687
15.28	1665	3675
15.3	1595	3752
15.32	1674	3691
15.34	1710	3694
15.36	1699	3690
15.38	1658	3699
15.4	1648	3659
15.42	1668	3713
15.44	1633	3674
15.46	1651	3697
15.48	1620	3648
15.5	1679	3632
15.52	1675	3639
15.54	1665	3660
15.56	1809	3635
15.58	1742	3714
15.6	1682	3649
15.62	1757	3673
15.64	1746	3686
15.66	1723	3667
15.68	1660	3747
15.7	1717	3702
15.72	1718	3689
15.74	1766	3648
15.76	1718	3709
15.78	1712	3651
15.8	1738	3648
15.82	1731	3707
15.84	1825	3714
15.86	1753	3744
15.88	1698	3706
15.9	1800	3686
15.92	1727	3618
15.94	1777	3634
15.96	1748	3724
15.98	1765	3743
16	1748	3736
16.02	1810	3656
16.04	1757	3698
16.06	1774	3676
16.08	1780	3678
16.1	1711	3722
16.12	1756	3697
16.14	1796	3697

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
16.16	1834	3693
16.18	1818	3667
16.2	1743	3666
16.22	1799	3700
16.24	1831	3663
16.26	1797	3691
16.28	1848	3638
16.3	1764	3676
16.32	1882	3668
16.34	1819	3665
16.36	1806	3662
16.38	1836	3723
16.4	1780	3759
16.42	1871	3663
16.44	1866	3759
16.46	1826	3766
16.48	1874	3762
16.5	1880	3708
16.52	1877	3715
16.54	1826	3684
16.56	1919	3741
16.58	1886	3677
16.6	1912	3685
16.62	1941	3713
16.64	1875	3692
16.66	1999	3671
16.68	1856	3654
16.7	1904	3652
16.72	1914	3671
16.74	1880	3699
16.76	1938	3705
16.78	1900	3702
16.8	1934	3690
16.82	1959	3646
16.84	1872	3622
16.86	1925	3727
16.88	1927	3757
16.9	1928	3717
16.92	1970	3756
16.94	1959	3678
16.96	1894	3697
16.98	1887	3764
17	1959	3732
17.02	1964	3734
17.04	2011	3693
17.06	2023	3826
17.08	1990	3653
17.1	1948	3661
17.12	1987	3715
17.14	2006	3710
17.16	2000	3665
17.18	1972	3740
17.2	1984	3688
17.22	1995	3682
17.24	2010	3803
17.26	1989	3727
17.28	1963	3780
17.3	1968	3768
17.32	2001	3729
17.34	1973	3706
17.36	1957	3734
17.38	1953	3695

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
17.4	2015	3712
17.42	2009	3706
17.44	2044	3705
17.46	1953	3719
17.48	2042	3744
17.5	2003	3815
17.52	2036	3775
17.54	2072	3716
17.56	2079	3706
17.58	2055	3790
17.6	2054	3768
17.62	2042	3687
17.64	1992	3757
17.66	2077	3738
17.68	2063	3714
17.7	2046	3768
17.72	2021	3782
17.74	1965	3727
17.76	2014	3678
17.78	2147	3726
17.8	2102	3752
17.82	2090	3735
17.84	2085	3745
17.86	2070	3744
17.88	2090	3777
17.9	2134	3810
17.92	2041	3800
17.94	2026	3754
17.96	2155	3745
17.98	2101	3782
18	2145	3849
18.02	2119	3781
18.04	2084	3755
18.06	2101	3837
18.08	2160	3843
18.1	2168	3839
18.12	2181	3940
18.14	2160	3862
18.16	2112	3849
18.18	2095	3908
18.2	2070	3859
18.22	2122	3897
18.24	2181	3930
18.26	2233	3954
18.28	2114	3854
18.3	2074	3877
18.32	2169	3898
18.34	2231	3937
18.36	2238	3876
18.38	2237	3858
18.4	2186	3863
18.42	2174	3824
18.44	2209	3815
18.46	2126	3854
18.48	2206	3790
18.5	2147	3815
18.52	2162	3837
18.54	2192	3819
18.56	2202	3825
18.58	2197	3823
18.6	2214	3789
18.62	2232	3774

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
18.64	2199	3787
18.66	2157	3746
18.68	2313	3753
18.7	2227	3836
18.72	2274	3758
18.74	2168	3803
18.76	2404	3797
18.78	2196	3742
18.8	2272	3733
18.82	2199	3702
18.84	2137	3697
18.86	2166	3736
18.88	2084	3680
18.9	2277	3753
18.92	2246	3686
18.94	2227	3729
18.96	2210	3744
18.98	2128	3723
19	2290	3738
19.02	2207	3745
19.04	2240	3771
19.06	2196	3693
19.08	2183	3738
19.1	2215	3758
19.12	2254	3793
19.14	2199	3731
19.16	2223	3829
19.18	2230	3804
19.2	2250	3767
19.22	2297	3742
19.24	2208	3729
19.26	2268	3790
19.28	2217	3725
19.3	2245	3792
19.32	2232	3832
19.34	2267	3744
19.36	2257	3754
19.38	2281	3703
19.4	2357	3760
19.42	2263	3816
19.44	2252	3812
19.46	2267	3764
19.48	2309	3692
19.5	2205	3857
19.52	2291	3811
19.54	2276	3783
19.56	2275	3775
19.58	2249	3808
19.6	2199	3791
19.62	2318	3783
19.64	2235	3851
19.66	2314	3839
19.68	2283	3812
19.7	2290	3822
19.72	2322	3815
19.74	2326	3784
19.76	2307	3783
19.78	2384	3836
19.8	2190	3768
19.82	2339	3795
19.84	2338	3760
19.86	2374	3820

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
19.88	2312	3818
19.9	2329	3785
19.92	2309	3797
19.94	2250	3772
19.96	2328	3753
19.98	2303	3820
20	2322	3786
20.02	2273	3764
20.04	2350	3791
20.06	2314	3768
20.08	2215	3822
20.1	2268	3810
20.12	2301	3781
20.14	2306	3855
20.16	2300	3745
20.18	2293	3812
20.2	2321	3705
20.22	2257	3714
20.24	2285	3792
20.26	2316	3850
20.28	2316	3775
20.3	2329	3730
20.32	2276	3761
20.34	2283	3744
20.36	2285	3753
20.38	2338	3750
20.4	2428	3743
20.42	2287	3808
20.44	2285	3755
20.46	2238	3796
20.48	2324	3781
20.5	2324	3819
20.52	2310	3770
20.54	2337	3702
20.56	2291	3782
20.58	2220	3854
20.6	2311	3800
20.62	2218	3768
20.64	2282	3776
20.66	2271	3839
20.68	2304	3740
20.7	2317	3819
20.72	2275	3781
20.74	2329	3835
20.76	2215	3817
20.78	2318	3826
20.8	2314	3848
20.82	2249	3820
20.84	2287	3873
20.86	2286	3887
20.88	2313	3831
20.9	2299	3826
20.92	2283	3765
20.94	2299	3779
20.96	2382	3800
20.98	2303	3768
21	2337	3779
21.02	2284	3819
21.04	2305	3835
21.06	2237	3795
21.08	2354	3768
21.1	2241	3812

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
21.12	2251	3777
21.14	2344	3810
21.16	2248	3782
21.18	2261	3799
21.2	2314	3716
21.22	2250	3806
21.24	2163	3764
21.26	2356	3842
21.28	2321	3776
21.3	2282	3799
21.32	2237	3797
21.34	2234	3747
21.36	2245	3789
21.38	2276	3715
21.4	2262	3780
21.42	2275	3741
21.44	2228	3807
21.46	2222	3793
21.48	2210	3743
21.5	2233	3731
21.52	2236	3747
21.54	2194	3788
21.56	2209	3775
21.58	2241	3895
21.6	2266	3755
21.62	2172	3840
21.64	2215	3815
21.66	2127	3776
21.68	2192	3798
21.7	2110	3805
21.72	2152	3761
21.74	2217	3855
21.76	2217	3803
21.78	2248	3770
21.8	2117	3744
21.82	2207	3755
21.84	2221	3771
21.86	2123	3810
21.88	2185	3850
21.9	2127	3776
21.92	2161	3792
21.94	2235	3829
21.96	2218	3780
21.98	2077	3832
22	2154	3792
22.02	2176	3801
22.04	2113	3765
22.06	2187	3794
22.08	2158	3756
22.1	2255	3808
22.12	2170	3789
22.14	2071	3889
22.16	2080	3815
22.18	2173	3709
22.2	2090	3752
22.22	2129	3784
22.24	2115	3825
22.26	2113	3723
22.28	2098	3803
22.3	2111	3808
22.32	2102	3753
22.34	2136	3851

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
22.36	2032	3773
22.38	1998	3820
22.4	2021	3791
22.42	2157	3862
22.44	2077	3789
22.46	2107	3789
22.48	2076	3744
22.5	2014	3843
22.52	1995	3789
22.54	2052	3800
22.56	2078	3749
22.58	2039	3838
22.6	2020	3801
22.62	1994	3846
22.64	2102	3784
22.66	2045	3750
22.68	2039	3810
22.7	2026	3798
22.72	2043	3735
22.74	1973	3770
22.76	1993	3776
22.78	2044	3787
22.8	1988	3820
22.82	1965	3803
22.84	2036	3833
22.86	1943	3748
22.88	1905	3810
22.9	1912	3819
22.92	1981	3843
22.94	2004	3782
22.96	1978	3802
22.98	2012	3801
23	1935	3784
23.02	1979	3817
23.04	1930	3749
23.06	1907	3820
23.08	1930	3796
23.1	1900	3747
23.12	1914	3777
23.14	1941	3833
23.16	1936	3812
23.18	1937	3767
23.2	1822	3760
23.22	1956	3743
23.24	1957	3788
23.26	1897	3793
23.28	1918	3837
23.3	1964	3817
23.32	1978	3783
23.34	1859	3801
23.36	1896	3832
23.38	1867	3827
23.4	1954	3821
23.42	1823	3799
23.44	1897	3791
23.46	1857	3798
23.48	1859	3792
23.5	1879	3787
23.52	1900	3809
23.54	1893	3810
23.56	1907	3748
23.58	1876	3777



2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
23.6	1849	3821
23.62	1902	3760
23.64	1865	3718
23.66	1905	3804
23.68	1890	3776
23.7	1800	3822
23.72	1823	3756
23.74	1904	3778
23.76	1792	3796
23.78	1808	3754
23.8	1821	3756
23.82	1763	3791
23.84	1821	3762
23.86	1794	3748
23.88	1737	3782
23.9	1734	3724
23.92	1805	3837
23.94	1787	3798
23.96	1767	3802
23.98	1893	3769
24	1776	3805
24.02	1864	3825
24.04	1734	3811
24.06	1762	3750
24.08	1790	3757
24.1	1773	3797
24.12	1676	3784
24.14	1779	3716
24.16	1783	3773
24.18	1756	3804
24.2	1840	3779
24.22	1738	3789
24.24	1771	3770
24.26	1775	3789
24.28	1778	3806
24.3	1716	3808
24.32	1712	3811
24.34	1834	3752
24.36	1727	3807
24.38	1743	3770
24.4	1726	3751
24.42	1690	3783
24.44	1715	3761
24.46	1698	3821
24.48	1778	3761
24.5	1718	3743
24.52	1726	3809
24.54	1642	3891
24.56	1645	3793
24.58	1597	3814
24.6	1639	3804
24.62	1717	3832
24.64	1744	3783
24.66	1642	3753
24.68	1646	3743
24.7	1677	3753
24.72	1698	3802
24.74	1713	3726
24.76	1665	3771
24.78	1634	3794
24.8	1634	3766
24.82	1654	3825

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
24.84	1661	3801
24.86	1644	3777
24.88	1590	3757
24.9	1645	3784
24.92	1694	3782
24.94	1615	3802
24.96	1599	3710
24.98	1549	3725
25	1646	3674
25.02	1603	3742
25.04	1646	3772
25.06	1560	3719
25.08	1603	3842
25.1	1629	3821
25.12	1601	3725
25.14	1599	3780
25.16	1571	3764
25.18	1623	3757
25.2	1584	3803
25.22	1643	3752
25.24	1579	3797
25.26	1605	3804
25.28	1571	3774
25.3	1525	3822
25.32	1523	3751
25.34	1607	3731
25.36	1545	3773
25.38	1594	3776
25.4	1532	3721
25.42	1557	3717
25.44	1598	3768
25.46	1581	3778
25.48	1542	3785
25.5	1581	3779
25.52	1614	3748
25.54	1553	3742
25.56	1536	3792
25.58	1572	3750
25.6	1546	3775
25.62	1472	3745
25.64	1469	3683
25.66	1578	3752
25.68	1527	3778
25.7	1608	3802
25.72	1492	3814
25.74	1563	3796
25.76	1606	3858
25.78	1533	3773
25.8	1546	3719
25.82	1586	3734
25.84	1545	3738
25.86	1487	3725
25.88	1452	3739
25.9	1550	3787
25.92	1535	3766
25.94	1521	3789
25.96	1518	3775
25.98	1503	3828
26	1510	3759
26.02	1491	3800
26.04	1528	3777
26.06	1538	3774

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
26.08	1519	3796
26.1	1474	3745
26.12	1533	3758
26.14	1443	3821
26.16	1521	3772
26.18	1520	3764
26.2	1462	3816
26.22	1485	3829
26.24	1547	3713
26.26	1498	3796
26.28	1437	3795
26.3	1470	3819
26.32	1495	3794
26.34	1461	3777
26.36	1541	3760
26.38	1486	3761
26.4	1543	3811
26.42	1470	3848
26.44	1525	3892
26.46	1448	3805
26.48	1466	3860
26.5	1475	3918
26.52	1502	3966
26.54	1518	3974
26.56	1510	4084
26.58	1434	4089
26.6	1533	4087
26.62	1558	3891
26.64	1610	3886
26.66	1655	3925
26.68	1670	3835
26.7	1644	3873
26.72	1693	3820
26.74	1746	3706
26.76	1638	3818
26.78	1573	3847
26.8	1551	3810
26.82	1534	3737
26.84	1451	3814
26.86	1467	3803
26.88	1487	3734
26.9	1380	3761
26.92	1452	3750
26.94	1391	3788
26.96	1397	3741
26.98	1458	3770
27	1422	3785
27.02	1403	3721
27.04	1451	3796
27.06	1414	3770
27.08	1380	3785
27.1	1378	3754
27.12	1423	3801
27.14	1419	3730
27.16	1418	3779
27.18	1435	3774
27.2	1424	3774
27.22	1421	3795
27.24	1423	3770
27.26	1403	3762
27.28	1435	3753
27.3	1412	3708

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
27.32	1459	3764
27.34	1450	3789
27.36	1423	3784
27.38	1512	3787
27.4	1541	3759
27.42	1548	3780
27.44	1529	3775
27.46	1414	3785
27.48	1457	3791
27.5	1376	3825
27.52	1394	3829
27.54	1378	3747
27.56	1392	3826
27.58	1414	3750
27.6	1355	3797
27.62	1382	3763
27.64	1382	3736
27.66	1384	3735
27.68	1406	3758
27.7	1414	3790
27.72	1393	3709
27.74	1419	3762
27.76	1364	3785
27.78	1373	3748
27.8	1393	3760
27.82	1388	3783
27.84	1380	3816
27.86	1316	3789
27.88	1395	3756
27.9	1369	3777
27.92	1375	3771
27.94	1333	3811
27.96	1371	3757
27.98	1442	3755
28	1381	3759
28.02	1342	3748
28.04	1396	3766
28.06	1421	3725
28.08	1307	3755
28.1	1329	3736
28.12	1358	3719
28.14	1384	3756
28.16	1335	3789
28.18	1324	3749
28.2	1348	3768
28.22	1347	3793
28.24	1301	3746
28.26	1348	3733
28.28	1376	3732
28.3	1319	3767
28.32	1402	3701
28.34	1282	3748
28.36	1304	3734
28.38	1357	3772
28.4	1402	3778
28.42	1296	3757
28.44	1393	3787
28.46	1386	3714
28.48	1377	3756
28.5	1328	3729
28.52	1315	3789
28.54	1314	3762

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
28.56	1304	3810
28.58	1338	3778
28.6	1308	3772
28.62	1361	3761
28.64	1363	3784
28.66	1317	3755
28.68	1332	3768
28.7	1335	3685
28.72	1396	3735
28.74	1322	3710
28.76	1291	3752
28.78	1273	3780
28.8	1270	3702
28.82	1291	3787
28.84	1299	3730
28.86	1287	3789
28.88	1279	3749
28.9	1340	3758
28.92	1263	3723
28.94	1256	3767
28.96	1293	3769
28.98	1311	3732
29	1347	3771
29.02	1330	3789
29.04	1279	3753
29.06	1332	3803
29.08	1254	3749
29.1	1343	3734
29.12	1373	3749
29.14	1251	3765
29.16	1313	3727
29.18	1251	3761
29.2	1308	3717
29.22	1262	3839
29.24	1344	3822
29.26	1333	3785
29.28	1307	3789
29.3	1268	3808
29.32	1328	3745
29.34	1292	3851
29.36	1282	3738
29.38	1274	3821
29.4	1309	3783
29.42	1354	3817
29.44	1332	3857
29.46	1286	3779
29.48	1333	3815
29.5	1323	3858
29.52	1281	3800
29.54	1273	3845
29.56	1294	3848
29.58	1278	3811
29.6	1326	3845
29.62	1331	3824
29.64	1321	3936
29.66	1320	3878
29.68	1296	3993
29.7	1236	3881
29.72	1292	3944
29.74	1312	3893
29.76	1307	3958
29.78	1353	3991

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
29.8	1331	3942
29.82	1320	4024
29.84	1348	4033
29.86	1349	4080
29.88	1346	4053
29.9	1323	4125
29.92	1376	4168
29.94	1351	4119
29.96	1416	4232
29.98	1398	4273
30	1419	4313
30.02	1382	4418
30.04	1380	4459
30.06	1430	4379
30.08	1404	4451
30.1	1498	4600
30.12	1506	4381
30.14	1471	4442
30.16	1533	4442
30.18	1506	4428
30.2	1478	4333
30.22	1551	4334
30.24	1535	4227
30.26	1518	4218
30.28	1517	4237
30.3	1432	4233
30.32	1401	4180
30.34	1516	4099
30.36	1450	4021
30.38	1454	4038
30.4	1446	4059
30.42	1425	3896
30.44	1423	3962
30.46	1385	3987
30.48	1399	3921
30.5	1374	3916
30.52	1398	3970
30.54	1350	3896
30.56	1365	3929
30.58	1382	3802
30.6	1297	3838
30.62	1305	3839
30.64	1347	3836
30.66	1329	3829
30.68	1310	3873
30.7	1278	3817
30.72	1254	3816
30.74	1268	3816
30.76	1286	3832
30.78	1323	3775
30.8	1274	3774
30.82	1344	3800
30.84	1280	3765
30.86	1282	3773
30.88	1315	3813
30.9	1289	3855
30.92	1295	3755
30.94	1294	3805
30.96	1307	3781
30.98	1288	3760
31	1272	3727
31.02	1224	3810

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
31.04	1281	3764
31.06	1359	3790
31.08	1301	3740
31.1	1289	3706
31.12	1333	3751
31.14	1323	3758
31.16	1313	3703
31.18	1281	3739
31.2	1313	3774
31.22	1217	3736
31.24	1238	3793
31.26	1275	3696
31.28	1231	3734
31.3	1303	3737
31.32	1269	3715
31.34	1291	3742
31.36	1315	3751
31.38	1266	3765
31.4	1267	3759
31.42	1277	3777
31.44	1328	3734
31.46	1246	3687
31.48	1257	3758
31.5	1304	3797
31.52	1258	3702
31.54	1315	3738
31.56	1254	3709
31.58	1286	3785
31.6	1246	3734
31.62	1275	3694
31.64	1304	3752
31.66	1290	3734
31.68	1248	3706
31.7	1255	3780
31.72	1297	3764
31.74	1276	3753
31.76	1275	3765
31.78	1273	3710
31.8	1224	3782
31.82	1284	3718
31.84	1289	3755
31.86	1295	3734
31.88	1293	3727
31.9	1190	3719
31.92	1315	3729
31.94	1315	3700
31.96	1251	3834
31.98	1272	3778
32	1248	3810
32.02	1256	3748
32.04	1252	3714
32.06	1242	3709
32.08	1290	3740
32.1	1275	3751
32.12	1257	3739
32.14	1257	3763
32.16	1264	3721
32.18	1166	3741
32.2	1338	3639
32.22	1247	3677
32.24	1254	3737
32.26	1272	3742

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
32.28	1262	3737
32.3	1235	3758
32.32	1322	3723
32.34	1236	3757
32.36	1285	3752
32.38	1244	3801
32.4	1207	3684
32.42	1249	3777
32.44	1206	3796
32.46	1223	3725
32.48	1223	3758
32.5	1264	3725
32.52	1233	3719
32.54	1252	3763
32.56	1245	3745
32.58	1249	3704
32.6	1256	3736
32.62	1230	3744
32.64	1230	3689
32.66	1300	3722
32.68	1201	3769
32.7	1303	3660
32.72	1277	3711
32.74	1226	3726
32.76	1290	3695
32.78	1266	3690
32.8	1258	3690
32.82	1246	3690
32.84	1226	3710
32.86	1357	3712
32.88	1224	3700
32.9	1239	3711
32.92	1273	3685
32.94	1235	3692
32.96	1285	3668
32.98	1248	3720
33	1263	3665
33.02	1247	3755
33.04	1238	3791
33.06	1245	3714
33.08	1266	3740
33.1	1257	3728
33.12	1224	3728
33.14	1303	3701
33.16	1241	3783
33.18	1227	3736
33.2	1251	3674
33.22	1263	3736
33.24	1209	3774
33.26	1229	3671
33.28	1293	3741
33.3	1219	3675
33.32	1341	3769
33.34	1362	3644
33.36	1286	3741
33.38	1273	3743
33.4	1261	3662
33.42	1258	3742
33.44	1268	3708
33.46	1257	3711
33.48	1340	3696
33.5	1262	3744



2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
33.52	1265	3674
33.54	1302	3674
33.56	1274	3698
33.58	1213	3694
33.6	1213	3750
33.62	1239	3786
33.64	1221	3730
33.66	1217	3735
33.68	1265	3712
33.7	1231	3700
33.72	1249	3695
33.74	1261	3749
33.76	1229	3733
33.78	1245	3725
33.8	1251	3684
33.82	1303	3795
33.84	1195	3730
33.86	1241	3779
33.88	1233	3692
33.9	1234	3743
33.92	1250	3720
33.94	1244	3715
33.96	1276	3770
33.98	1227	3771
34	1203	3777
34.02	1289	3766
34.04	1191	3749
34.06	1310	3725
34.08	1224	3727
34.1	1263	3725
34.12	1298	3780
34.14	1212	3769
34.16	1203	3765
34.18	1243	3765
34.2	1289	3822
34.22	1253	3720
34.24	1256	3813
34.26	1230	3840
34.28	1238	3800
34.3	1196	3719
34.32	1235	3826
34.34	1249	3852
34.36	1258	3839
34.38	1274	3808
34.4	1360	3827
34.42	1271	3808
34.44	1308	3861
34.46	1252	3837
34.48	1235	3889
34.5	1284	3902
34.52	1300	3862
34.54	1269	3913
34.56	1261	3834
34.58	1374	3856
34.6	1299	3832
34.62	1256	3924
34.64	1318	3909
34.66	1342	3849
34.68	1310	3868
34.7	1294	3825
34.72	1278	3905
34.74	1352	3940

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
34.76	1342	3920
34.78	1330	3961
34.8	1313	3918
34.82	1371	3925
34.84	1309	3944
34.86	1315	4016
34.88	1340	3957
34.9	1328	4033
34.92	1355	4022
34.94	1288	3989
34.96	1398	4107
34.98	1348	4105
35	1354	4177
35.02	1419	4216
35.04	1309	4261
35.06	1335	4277
35.08	1302	4272
35.1	1388	4371
35.12	1439	4429
35.14	1365	4466
35.16	1393	4528
35.18	1386	4621
35.2	1429	4757
35.22	1414	4818
35.24	1485	4912
35.26	1431	5020
35.28	1485	5244
35.3	1517	5365
35.32	1511	5488
35.34	1595	5583
35.36	1638	5851
35.38	1644	6041
35.4	1763	5977
35.42	1687	6261
35.44	1761	6250
35.46	1871	6407
35.48	1965	6329
35.5	1981	6230
35.52	2027	6241
35.54	2030	6164
35.56	2085	5967
35.58	2147	5803
35.6	2005	5778
35.62	2131	5664
35.64	2013	5430
35.66	2125	5318
35.68	2068	5091
35.7	1942	5098
35.72	2035	4941
35.74	1923	4817
35.76	1940	4660
35.78	1887	4585
35.8	1803	4492
35.82	1778	4525
35.84	1721	4558
35.86	1682	4420
35.88	1632	4296
35.9	1561	4307
35.92	1574	4179
35.94	1531	4243
35.96	1497	4176
35.98	1358	4097

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
36	1459	4114
36.02	1429	4101
36.04	1318	4041
36.06	1378	3986
36.08	1360	3956
36.1	1335	3938
36.12	1412	3938
36.14	1381	3922
36.16	1340	3880
36.18	1344	3893
36.2	1306	3924
36.22	1289	3936
36.24	1287	3893
36.26	1280	3874
36.28	1343	3824
36.3	1336	3852
36.32	1336	3857
36.34	1261	3856
36.36	1288	3846
36.38	1284	3847
36.4	1281	3820
36.42	1307	3886
36.44	1284	3836
36.46	1265	3870
36.48	1339	3824
36.5	1307	3808
36.52	1271	3806
36.54	1304	3820
36.56	1285	3848
36.58	1285	3797
36.6	1283	3841
36.62	1285	3721
36.64	1263	3785
36.66	1328	3792
36.68	1364	3738
36.7	1271	3795
36.72	1346	3731
36.74	1284	3719
36.76	1270	3776
36.78	1309	3790
36.8	1283	3760
36.82	1320	3886
36.84	1263	3815
36.86	1230	3761
36.88	1264	3796
36.9	1285	3810
36.92	1256	3812
36.94	1278	3839
36.96	1356	3838
36.98	1258	3871
37	1233	3855
37.02	1230	3792
37.04	1251	3837
37.06	1283	3817
37.08	1228	3911
37.1	1212	3816
37.12	1216	3875
37.14	1233	3812
37.16	1228	3811
37.18	1232	3780
37.2	1284	3848
37.22	1261	3797

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
37.24	1258	3799
37.26	1278	3778
37.28	1256	3779
37.3	1149	3788
37.32	1246	3825
37.34	1246	3764
37.36	1281	3717
37.38	1223	3751
37.4	1240	3702
37.42	1253	3728
37.44	1207	3697
37.46	1228	3746
37.48	1245	3744
37.5	1184	3697
37.52	1181	3669
37.54	1220	3692
37.56	1203	3698
37.58	1252	3683
37.6	1223	3699
37.62	1181	3756
37.64	1206	3699
37.66	1166	3685
37.68	1228	3654
37.7	1172	3660
37.72	1147	3675
37.74	1152	3723
37.76	1206	3662
37.78	1245	3709
37.8	1193	3731
37.82	1117	3640
37.84	1220	3618
37.86	1212	3678
37.88	1228	3631
37.9	1190	3707
37.92	1213	3702
37.94	1213	3634
37.96	1244	3630
37.98	1147	3644
38	1145	3684
38.02	1189	3630
38.04	1144	3689
38.06	1127	3635
38.08	1180	3633
38.1	1117	3631
38.12	1172	3652
38.14	1185	3661
38.16	1154	3678
38.18	1166	3622
38.2	1166	3628
38.22	1096	3620
38.24	1134	3722
38.26	1156	3621
38.28	1211	3669
38.3	1129	3622
38.32	1201	3624
38.34	1162	3679
38.36	1181	3656
38.38	1127	3597
38.4	1162	3593
38.42	1153	3656
38.44	1151	3679
38.46	1181	3640

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
38.48	1146	3674
38.5	1228	3665
38.52	1175	3594
38.54	1180	3586
38.56	1159	3657
38.58	1155	3640
38.6	1143	3627
38.62	1151	3631
38.64	1155	3628
38.66	1185	3642
38.68	1096	3687
38.7	1200	3698
38.72	1147	3651
38.74	1161	3724
38.76	1199	3624
38.78	1103	3634
38.8	1150	3685
38.82	1145	3617
38.84	1164	3663
38.86	1132	3707
38.88	1172	3678
38.9	1113	3650
38.92	1189	3610
38.94	1167	3583
38.96	1112	3663
38.98	1203	3617
39	1174	3603
39.02	1160	3659
39.04	1141	3632
39.06	1127	3633
39.08	1148	3665
39.1	1166	3683
39.12	1115	3638
39.14	1175	3620
39.16	1190	3639
39.18	1180	3584
39.2	1151	3595
39.22	1153	3673
39.24	1174	3677
39.26	1165	3601
39.28	1195	3634
39.3	1197	3655
39.32	1109	3672
39.34	1155	3599
39.36	1139	3668
39.38	1155	3685
39.4	1141	3671
39.42	1125	3693
39.44	1143	3640
39.46	1147	3658
39.48	1154	3617
39.5	1107	3625
39.52	1155	3682
39.54	1198	3661
39.56	1100	3609
39.58	1173	3643
39.6	1189	3647
39.62	1161	3652
39.64	1183	3666
39.66	1130	3640
39.68	1126	3650
39.7	1185	3676

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
39.72	1127	3661
39.74	1156	3661
39.76	1174	3640
39.78	1169	3629
39.8	1101	3644
39.82	1075	3605
39.84	1130	3627
39.86	1135	3613
39.88	1136	3609
39.9	1108	3612
39.92	1151	3586
39.94	1118	3632
39.96	1160	3679
39.98	1176	3643
40	1091	3635
40.02	1088	3624
40.04	1167	3633
40.06	1169	3626
40.08	1197	3614
40.1	1166	3612
40.12	1175	3594
40.14	1132	3631
40.16	1149	3621
40.18	1151	3585
40.2	1148	3658
40.22	1150	3611
40.24	1128	3606
40.26	1204	3621
40.28	1203	3669
40.3	1106	3623
40.32	1094	3664
40.34	1147	3581
40.36	1121	3699
40.38	1122	3615
40.4	1102	3548
40.42	1147	3633
40.44	1182	3602
40.46	1172	3605
40.48	1155	3686
40.5	1113	3593
40.52	1111	3628
40.54	1175	3656
40.56	1118	3637
40.58	1127	3655
40.6	1156	3621
40.62	1102	3512
40.64	1136	3633
40.66	1155	3624
40.68	1122	3581
40.7	1133	3619
40.72	1053	3678
40.74	1136	3617
40.76	1138	3557
40.78	1150	3582
40.8	1119	3616
40.82	1110	3637
40.84	1090	3559
40.86	1095	3657
40.88	1137	3663
40.9	1100	3544
40.92	1093	3617
40.94	1159	3606

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
40.96	1168	3583
40.98	1059	3653
41	1137	3641
41.02	1192	3684
41.04	1140	3576
41.06	1102	3640
41.08	1132	3580
41.1	1125	3642
41.12	1149	3610
41.14	1087	3580
41.16	1138	3656
41.18	1118	3640
41.2	1108	3628
41.22	1115	3662
41.24	1132	3612
41.26	1180	3640
41.28	1110	3602
41.3	1102	3622
41.32	1067	3656
41.34	1185	3665
41.36	1103	3646
41.38	1051	3637
41.4	1114	3635
41.42	1157	3646
41.44	1140	3593
41.46	1131	3608
41.48	1072	3647
41.5	1175	3644
41.52	1137	3662
41.54	1173	3601
41.56	1107	3630
41.58	1048	3668
41.6	1121	3682
41.62	1092	3581
41.64	1132	3597
41.66	1111	3659
41.68	1080	3574
41.7	1102	3627
41.72	1099	3663
41.74	1056	3663
41.76	1073	3624
41.78	1133	3606
41.8	1141	3637
41.82	1057	3624
41.84	1091	3594
41.86	1095	3653
41.88	1136	3636
41.9	1144	3606
41.92	1048	3724
41.94	1093	3650
41.96	1100	3595
41.98	1122	3642
42	1170	3610
42.02	1121	3644
42.04	1094	3644
42.06	1024	3702
42.08	1069	3612
42.1	1109	3604
42.12	1141	3669
42.14	1059	3658
42.16	1110	3679
42.18	1083	3608

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
42.2	1104	3618
42.22	1104	3616
42.24	1089	3596
42.26	1019	3641
42.28	1096	3619
42.3	1069	3649
42.32	1130	3677
42.34	1104	3635
42.36	1122	3622
42.38	1074	3702
42.4	1085	3641
42.42	1125	3627
42.44	1022	3629
42.46	1076	3702
42.48	1104	3679
42.5	1033	3657
42.52	1086	3698
42.54	1089	3686
42.56	1093	3630
42.58	1076	3648
42.6	1126	3676
42.62	1115	3741
42.64	1114	3681
42.66	1071	3710
42.68	1156	3734
42.7	1096	3681
42.72	1091	3723
42.74	1090	3807
42.76	1150	3763
42.78	1107	3762
42.8	1137	3764
42.82	1132	3746
42.84	1118	3810
42.86	1134	3857
42.88	1163	3908
42.9	1131	3912
42.92	1104	3894
42.94	1139	3948
42.96	1166	3986
42.98	1197	4087
43	1146	4063
43.02	1123	4096
43.04	1101	4105
43.06	1204	4219
43.08	1120	4234
43.1	1166	4262
43.12	1169	4240
43.14	1259	4293
43.16	1245	4177
43.18	1258	4234
43.2	1227	4148
43.22	1237	4163
43.24	1286	4109
43.26	1285	4095
43.28	1257	4097
43.3	1272	4062
43.32	1242	3992
43.34	1242	3937
43.36	1318	3971
43.38	1226	3872
43.4	1194	3872
43.42	1223	3869



2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
43.44	1241	3828
43.46	1233	3800
43.48	1205	3817
43.5	1172	3821
43.52	1191	3802
43.54	1144	3794
43.56	1206	3750
43.58	1190	3759
43.6	1136	3706
43.62	1103	3784
43.64	1123	3662
43.66	1107	3733
43.68	1146	3662
43.7	1071	3686
43.72	1101	3665
43.74	1080	3677
43.76	1086	3687
43.78	1093	3663
43.8	1126	3655
43.82	1087	3660
43.84	996	3638
43.86	1075	3649
43.88	1150	3666
43.9	1103	3623
43.92	1050	3621
43.94	1108	3622
43.96	1087	3565
43.98	1103	3591
44	1142	3637
44.02	1096	3647
44.04	1058	3629
44.06	1091	3571
44.08	1070	3667
44.1	1134	3597
44.12	1056	3647
44.14	1119	3617
44.16	1054	3601
44.18	1065	3651
44.2	1089	3651
44.22	1065	3639
44.24	1042	3599
44.26	1024	3642
44.28	1033	3605
44.3	1018	3625
44.32	1044	3655
44.34	1076	3662
44.36	1061	3514
44.38	1076	3588
44.4	1044	3611
44.42	1094	3586
44.44	1033	3593
44.46	1036	3599
44.48	995	3595
44.5	1039	3585
44.52	1022	3612
44.54	1068	3592
44.56	1084	3606
44.58	1059	3603
44.6	1035	3685
44.62	1072	3623
44.64	1039	3611
44.66	1123	3633

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
44.68	992	3583
44.7	1041	3617
44.72	1029	3558
44.74	1059	3563
44.76	1089	3610
44.78	1123	3639
44.8	1047	3632
44.82	1054	3620
44.84	1066	3631
44.86	1031	3621
44.88	1052	3656
44.9	1031	3611
44.92	1042	3621
44.94	1067	3578
44.96	1058	3584
44.98	1026	3640
45	1107	3633
45.02	1069	3622
45.04	1028	3556
45.06	1030	3657
45.08	1074	3640
45.1	1043	3625
45.12	1035	3577
45.14	1057	3553
45.16	1043	3623
45.18	1088	3589
45.2	1039	3606
45.22	1039	3626
45.24	1001	3576
45.26	1128	3539
45.28	1014	3604
45.3	1068	3610
45.32	1021	3632
45.34	1031	3635
45.36	1032	3571
45.38	1033	3601
45.4	1060	3578
45.42	1036	3631
45.44	1053	3607
45.46	1030	3631
45.48	1012	3585
45.5	1027	3621
45.52	1037	3640
45.54	1128	3635
45.56	1079	3606
45.58	1085	3637
45.6	1018	3563
45.62	1069	3634
45.64	1033	3565
45.66	1049	3648
45.68	1067	3606
45.7	1065	3552
45.72	1036	3574
45.74	1075	3636
45.76	1046	3589
45.78	1038	3668
45.8	1134	3583
45.82	1086	3664
45.84	1099	3646
45.86	1045	3606
45.88	1005	3585
45.9	1075	3649

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
45.92	1084	3599
45.94	1074	3619
45.96	1039	3649
45.98	1138	3563
46	1091	3616
46.02	1036	3589
46.04	1073	3590
46.06	1032	3554
46.08	1062	3651
46.1	1024	3623
46.12	1014	3533
46.14	1046	3587
46.16	1042	3578
46.18	1091	3587
46.2	1022	3605
46.22	989	3620
46.24	1048	3615
46.26	1015	3612
46.28	1053	3625
46.3	1001	3655
46.32	1018	3601
46.34	1027	3608
46.36	1002	3545
46.38	1036	3592
46.4	1093	3580
46.42	1042	3578
46.44	1016	3544
46.46	1059	3594
46.48	1071	3511
46.5	1003	3601
46.52	1061	3598
46.54	1037	3578
46.56	1025	3623
46.58	1072	3637
46.6	1019	3582
46.62	1049	3593
46.64	1021	3618
46.66	985	3615
46.68	1069	3619
46.7	980	3605
46.72	1016	3564
46.74	1077	3595
46.76	986	3546
46.78	1024	3607
46.8	1113	3615
46.82	1083	3581
46.84	984	3559
46.86	1024	3599
46.88	1040	3568
46.9	995	3533
46.92	1020	3473
46.94	1072	3627
46.96	996	3564
46.98	1062	3594
47	1075	3576
47.02	1024	3598
47.04	1056	3555
47.06	1030	3577
47.08	989	3640
47.1	1042	3568
47.12	1018	3590
47.14	1095	3544

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
47.16	1015	3613
47.18	1077	3621
47.2	1008	3618
47.22	959	3585
47.24	1028	3610
47.26	985	3566
47.28	1009	3590
47.3	1045	3600
47.32	996	3640
47.34	997	3612
47.36	965	3534
47.38	1007	3634
47.4	1018	3561
47.42	968	3600
47.44	1038	3558
47.46	993	3638
47.48	977	3624
47.5	1037	3683
47.52	1029	3605
47.54	995	3585
47.56	980	3573
47.58	999	3587
47.6	1058	3589
47.62	993	3613
47.64	970	3586
47.66	1028	3631
47.68	1034	3626
47.7	1005	3559
47.72	994	3614
47.74	993	3627
47.76	1033	3620
47.78	986	3526
47.8	1052	3574
47.82	1009	3580
47.84	1010	3556
47.86	1029	3589
47.88	1046	3568
47.9	1038	3584
47.92	1012	3595
47.94	1050	3576
47.96	1025	3588
47.98	972	3627
48	1011	3574
48.02	1048	3589
48.04	961	3573
48.06	1039	3596
48.08	1003	3516
48.1	1018	3588
48.12	1013	3618
48.14	1021	3606
48.16	1005	3580
48.18	1042	3652
48.2	1054	3552
48.22	982	3646
48.24	1044	3581
48.26	1016	3555
48.28	1005	3585
48.3	1016	3537
48.32	1024	3571
48.34	983	3572
48.36	1008	3583
48.38	1023	3630

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
48.4	1037	3569
48.42	1006	3523
48.44	1027	3610
48.46	1077	3598
48.48	993	3575
48.5	1031	3567
48.52	931	3622
48.54	969	3550
48.56	969	3578
48.58	982	3593
48.6	999	3551
48.62	999	3580
48.64	1070	3573
48.66	994	3604
48.68	1034	3608
48.7	1066	3598
48.72	1017	3650
48.74	1038	3581
48.76	972	3634
48.78	973	3554
48.8	1040	3564
48.82	995	3629
48.84	1081	3636
48.86	1000	3631
48.88	973	3578
48.9	1020	3592
48.92	972	3601
48.94	1010	3616
48.96	1006	3597
48.98	981	3587
49	1006	3543
49.02	951	3542
49.04	1051	3564
49.06	1028	3609
49.08	968	3621
49.1	1042	3583
49.12	1053	3602
49.14	992	3577
49.16	996	3632
49.18	956	3598
49.2	996	3573
49.22	990	3569
49.24	1038	3597
49.26	1040	3625
49.28	996	3590
49.3	986	3548
49.32	1006	3583
49.34	1022	3555
49.36	1035	3569
49.38	1022	3598
49.4	992	3521
49.42	1007	3613
49.44	1015	3631
49.46	1019	3597
49.48	1075	3624
49.5	996	3644
49.52	1080	3562
49.54	1053	3617
49.56	967	3579
49.58	1042	3561
49.6	1008	3624
49.62	1056	3627

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
49.64	1006	3628
49.66	1037	3554
49.68	1020	3556
49.7	1003	3639
49.72	1035	3514
49.74	1060	3655
49.76	1061	3547
49.78	1006	3542
49.8	1052	3580
49.82	996	3511
49.84	1052	3607
49.86	1005	3605
49.88	1002	3554
49.9	1076	3589
49.92	984	3619
49.94	970	3613
49.96	1011	3596
49.98	944	3567
50	985	3657
50.02	952	3545
50.04	981	3595
50.06	1000	3634
50.08	1042	3633
50.1	1011	3597
50.12	1015	3620
50.14	1035	3606
50.16	1027	3509
50.18	1075	3646
50.2	995	3632
50.22	1024	3675
50.24	1009	3636
50.26	1028	3586
50.28	999	3588
50.3	1046	3608
50.32	1019	3570
50.34	1048	3582
50.36	1019	3567
50.38	1002	3560
50.4	1022	3562
50.42	1043	3581
50.44	976	3572
50.46	1008	3557
50.48	1016	3519
50.5	963	3553
50.52	1007	3610
50.54	1031	3672
50.56	982	3614
50.58	897	3596
50.6	981	3535
50.62	1013	3607
50.64	987	3578
50.66	995	3597
50.68	970	3610
50.7	1025	3630
50.72	1030	3575
50.74	1029	3621
50.76	986	3615
50.78	1063	3630
50.8	1001	3545
50.82	1025	3614
50.84	992	3663
50.86	997	3586

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
50.88	1003	3613
50.9	1051	3599
50.92	987	3611
50.94	956	3675
50.96	985	3577
50.98	1010	3582
51	1018	3580
51.02	966	3625
51.04	937	3624
51.06	917	3623
51.08	1009	3543
51.1	957	3569
51.12	975	3595
51.14	1028	3561
51.16	968	3656
51.18	982	3567
51.2	973	3555
51.22	998	3571
51.24	1013	3625
51.26	977	3589
51.28	936	3581
51.3	976	3591
51.32	981	3592
51.34	998	3607
51.36	970	3589
51.38	977	3599
51.4	964	3541
51.42	973	3564
51.44	1030	3576
51.46	1020	3596
51.48	994	3632
51.5	926	3591
51.52	928	3599
51.54	953	3651
51.56	936	3525
51.58	955	3573
51.6	995	3595
51.62	958	3601
51.64	973	3594
51.66	972	3639
51.68	929	3561
51.7	994	3609
51.72	971	3594
51.74	953	3606
51.76	953	3540
51.78	961	3583
51.8	981	3618
51.82	949	3668
51.84	916	3559
51.86	986	3626
51.88	987	3588
51.9	968	3594
51.92	955	3578
51.94	927	3574
51.96	957	3596
51.98	1002	3535
52	960	3589
52.02	1017	3614
52.04	983	3616
52.06	979	3568
52.08	897	3638
52.1	1003	3550

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
52.12	979	3597
52.14	1022	3649
52.16	980	3565
52.18	948	3559
52.2	1013	3574
52.22	988	3621
52.24	950	3566
52.26	994	3591
52.28	932	3588
52.3	976	3606
52.32	939	3645
52.34	940	3592
52.36	956	3593
52.38	987	3577
52.4	958	3628
52.42	964	3631
52.44	1046	3606
52.46	999	3647
52.48	992	3611
52.5	964	3573
52.52	956	3600
52.54	979	3591
52.56	961	3625
52.58	977	3610
52.6	1043	3577
52.62	962	3642
52.64	981	3573
52.66	972	3598
52.68	984	3621
52.7	989	3562
52.72	963	3587
52.74	947	3604
52.76	972	3654
52.78	1033	3611
52.8	970	3596
52.82	948	3614
52.84	928	3659
52.86	934	3613
52.88	1020	3617
52.9	953	3663
52.92	946	3632
52.94	975	3617
52.96	908	3638
52.98	1050	3609
53	978	3581
53.02	1021	3677
53.04	1016	3655
53.06	985	3661
53.08	926	3698
53.1	999	3685
53.12	950	3610
53.14	1014	3662
53.16	1055	3680
53.18	1023	3704
53.2	922	3638
53.22	1022	3735
53.24	1003	3704
53.26	1014	3751
53.28	1010	3687
53.3	976	3667
53.32	1022	3621
53.34	1042	3729



2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
53.36	990	3771
53.38	1032	3796
53.4	1011	3712
53.42	984	3800
53.44	1036	3749
53.46	1014	3768
53.48	1000	3829
53.5	1014	3779
53.52	1082	3827
53.54	1059	3791
53.56	1069	3793
53.58	985	3744
53.6	1042	3798
53.62	992	3740
53.64	1074	3748
53.66	1027	3753
53.68	1016	3701
53.7	1063	3713
53.72	1051	3750
53.74	1027	3713
53.76	1043	3712
53.78	1017	3793
53.8	1019	3680
53.82	1003	3707
53.84	1015	3674
53.86	1040	3781
53.88	1003	3700
53.9	987	3646
53.92	946	3676
53.94	972	3685
53.96	985	3673
53.98	1028	3672
54	1033	3652
54.02	1057	3633
54.04	980	3633
54.06	1018	3636
54.08	1011	3584
54.1	984	3572
54.12	1000	3608
54.14	1008	3632
54.16	986	3682
54.18	979	3681
54.2	992	3654
54.22	1046	3606
54.24	1023	3621
54.26	1006	3610
54.28	962	3631
54.3	940	3645
54.32	1004	3656
54.34	962	3626
54.36	960	3615
54.38	917	3634
54.4	949	3663
54.42	946	3627
54.44	984	3619
54.46	992	3593
54.48	991	3621
54.5	992	3602
54.52	933	3649
54.54	975	3557
54.56	965	3626
54.58	977	3654

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
54.6	987	3604
54.62	963	3625
54.64	948	3638
54.66	948	3574
54.68	989	3641
54.7	944	3621
54.72	960	3607
54.74	982	3660
54.76	946	3641
54.78	989	3673
54.8	917	3639
54.82	927	3633
54.84	940	3575
54.86	924	3605
54.88	967	3604
54.9	918	3622
54.92	924	3608
54.94	928	3617
54.96	1009	3658
54.98	970	3557
55	940	3653
55.02	978	3595
55.04	956	3587
55.06	940	3606
55.08	976	3599
55.1	920	3617
55.12	996	3652
55.14	946	3603
55.16	899	3624
55.18	991	3616
55.2	961	3587
55.22	884	3623
55.24	928	3638
55.26	940	3644
55.28	921	3618
55.3	946	3618
55.32	902	3591
55.34	936	3629
55.36	976	3651
55.38	928	3632
55.4	969	3583
55.42	1008	3604
55.44	941	3681
55.46	996	3644
55.48	992	3567
55.5	946	3617
55.52	949	3656
55.54	1044	3626
55.56	963	3625
55.58	983	3640
55.6	970	3643
55.62	946	3571
55.64	958	3652
55.66	956	3646
55.68	957	3626
55.7	916	3657
55.72	927	3625
55.74	964	3586
55.76	996	3654
55.78	937	3656
55.8	959	3640
55.82	981	3619

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
55.84	915	3620
55.86	997	3673
55.88	954	3637
55.9	972	3608
55.92	953	3587
55.94	937	3572
55.96	938	3639
55.98	961	3581
56	940	3667
56.02	965	3641
56.04	948	3659
56.06	937	3659
56.08	982	3611
56.1	950	3709
56.12	946	3712
56.14	899	3653
56.16	954	3571
56.18	916	3637
56.2	1006	3639
56.22	968	3589
56.24	995	3620
56.26	946	3691
56.28	933	3618
56.3	969	3698
56.32	969	3703
56.34	962	3655
56.36	913	3632
56.38	982	3687
56.4	928	3727
56.42	963	3668
56.44	980	3641
56.46	948	3735
56.48	942	3752
56.5	979	3694
56.52	974	3700
56.54	977	3684
56.56	1021	3780
56.58	970	3736
56.6	934	3782
56.62	922	3777
56.64	936	3754
56.66	980	3740
56.68	954	3802
56.7	992	3787
56.72	970	3784
56.74	939	3810
56.76	922	3909
56.78	938	3952
56.8	990	3926
56.82	937	3906
56.84	999	4002
56.86	1009	4012
56.88	967	4096
56.9	1008	4087
56.92	1015	4135
56.94	1073	4081
56.96	1048	4201
56.98	1028	4191
57	1094	4195
57.02	1115	4225
57.04	1078	4155
57.06	1100	4205

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
57.08	1158	4238
57.1	1140	4222
57.12	1180	4212
57.14	1114	4115
57.16	1168	4226
57.18	1165	4253
57.2	1151	4132
57.22	1117	4114
57.24	1149	4137
57.26	1107	4070
57.28	1163	4132
57.3	1216	4049
57.32	1116	4036
57.34	1128	3989
57.36	1107	3927
57.38	1128	3884
57.4	1109	3871
57.42	1097	3847
57.44	1046	3818
57.46	1107	3845
57.48	1115	3853
57.5	1076	3855
57.52	1059	3791
57.54	1039	3747
57.56	1062	3779
57.58	1122	3801
57.6	1085	3753
57.62	1013	3783
57.64	1004	3764
57.66	1002	3742
57.68	977	3683
57.7	1051	3744
57.72	1038	3715
57.74	990	3700
57.76	987	3682
57.78	1067	3717
57.8	1007	3589
57.82	987	3687
57.84	978	3698
57.86	968	3707
57.88	1010	3734
57.9	999	3721
57.92	946	3676
57.94	996	3720
57.96	967	3723
57.98	959	3632
58	931	3640
58.02	976	3640
58.04	938	3716
58.06	982	3615
58.08	965	3610
58.1	908	3629
58.12	1011	3579
58.14	947	3596
58.16	977	3672
58.18	948	3588
58.2	924	3672
58.22	950	3596
58.24	981	3701
58.26	919	3643
58.28	932	3604
58.3	927	3585

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
58.32	929	3645
58.34	936	3651
58.36	914	3619
58.38	948	3625
58.4	954	3586
58.42	916	3608
58.44	882	3613
58.46	885	3614
58.48	844	3608
58.5	957	3634
58.52	982	3631
58.54	847	3645
58.56	950	3624
58.58	851	3615
58.6	921	3631
58.62	885	3610
58.64	925	3632
58.66	926	3647
58.68	951	3583
58.7	945	3647
58.72	910	3628
58.74	936	3582
58.76	954	3634
58.78	947	3594
58.8	944	3633
58.82	948	3621
58.84	914	3638
58.86	972	3641
58.88	905	3593
58.9	958	3608
58.92	903	3582
58.94	970	3589
58.96	938	3569
58.98	946	3594
59	881	3590
59.02	980	3573
59.04	934	3615
59.06	958	3569
59.08	958	3587
59.1	965	3629
59.12	995	3687
59.14	916	3631
59.16	942	3590
59.18	900	3576
59.2	952	3632
59.22	964	3656
59.24	970	3633
59.26	944	3543
59.28	918	3650
59.3	957	3567
59.32	925	3565
59.34	986	3583
59.36	971	3672
59.38	936	3580
59.4	966	3688
59.42	963	3573
59.44	978	3575
59.46	960	3622
59.48	940	3540
59.5	860	3633
59.52	939	3609
59.54	905	3665

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
59.56	911	3548
59.58	924	3585
59.6	980	3590
59.62	995	3543
59.64	971	3608
59.66	917	3579
59.68	938	3623
59.7	911	3581
59.72	937	3501
59.74	974	3604
59.76	1000	3593
59.78	930	3560
59.8	962	3565
59.82	911	3601
59.84	882	3612
59.86	894	3661
59.88	911	3651
59.9	898	3621
59.92	898	3649
59.94	883	3646
59.96	958	3631
59.98	968	3543
60	899	3634
60.02	951	3661
60.04	979	3599
60.06	926	3583
60.08	932	3603
60.1	935	3562
60.12	986	3644
60.14	971	3597
60.16	886	3627
60.18	946	3626
60.2	956	3631
60.22	890	3530
60.24	913	3611
60.26	989	3634
60.28	1001	3641
60.3	930	3624
60.32	924	3592
60.34	942	3652
60.36	900	3557
60.38	932	3587
60.4	937	3604
60.42	978	3676
60.44	983	3598
60.46	939	3605
60.48	961	3591
60.5	884	3652
60.52	976	3607
60.54	954	3623
60.56	939	3571
60.58	868	3568
60.6	899	3594
60.62	880	3638
60.64	923	3698
60.66	934	3600
60.68	926	3582
60.7	938	3664
60.72	972	3604
60.74	948	3569
60.76	904	3591
60.78	949	3574

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
60.8	903	3631
60.82	890	3640
60.84	953	3622
60.86	910	3648
60.88	866	3651
60.9	957	3618
60.92	979	3694
60.94	954	3666
60.96	917	3646
60.98	887	3638
61	907	3676
61.02	969	3613
61.04	937	3591
61.06	935	3613
61.08	922	3624
61.1	947	3583
61.12	977	3608
61.14	897	3611
61.16	903	3645
61.18	960	3625
61.2	946	3638
61.22	891	3642
61.24	921	3630
61.26	934	3630
61.28	932	3645
61.3	899	3671
61.32	963	3619
61.34	993	3583
61.36	1037	3621
61.38	954	3616
61.4	932	3645
61.42	958	3644
61.44	978	3630
61.46	953	3671
61.48	952	3620
61.5	942	3652
61.52	988	3616
61.54	981	3632
61.56	957	3653
61.58	983	3633
61.6	946	3634
61.62	922	3714
61.64	995	3666
61.66	909	3617
61.68	959	3630
61.7	972	3700
61.72	961	3637
61.74	960	3690
61.76	970	3663
61.78	906	3645
61.8	935	3676
61.82	948	3736
61.84	897	3604
61.86	963	3695
61.88	925	3667
61.9	1002	3693
61.92	920	3684
61.94	955	3704
61.96	959	3664
61.98	972	3712
62	987	3708
62.02	981	3606

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
62.04	877	3725
62.06	980	3713
62.08	920	3770
62.1	981	3760
62.12	928	3781
62.14	932	3766
62.16	996	3753
62.18	915	3794
62.2	957	3788
62.22	980	3830
62.24	1011	3801
62.26	990	3826
62.28	991	3910
62.3	969	3875
62.32	973	3911
62.34	998	3982
62.36	965	3994
62.38	991	4080
62.4	996	4064
62.42	993	4113
62.44	975	4227
62.46	1021	4244
62.48	978	4383
62.5	1054	4415
62.52	1064	4329
62.54	1102	4461
62.56	1061	4498
62.58	1085	4533
62.6	1095	4468
62.62	1128	4664
62.64	1189	4668
62.66	1123	4678
62.68	1193	4609
62.7	1160	4604
62.72	1209	4597
62.74	1254	4593
62.76	1172	4603
62.78	1226	4582
62.8	1187	4576
62.82	1174	4410
62.84	1212	4470
62.86	1212	4354
62.88	1197	4422
62.9	1201	4331
62.92	1184	4201
62.94	1146	4205
62.96	1192	4162
62.98	1162	4134
63	1113	4154
63.02	1118	4020
63.04	1112	4048
63.06	1131	4027
63.08	1140	3998
63.1	1150	3905
63.12	1071	3935
63.14	1091	3922
63.16	1096	3894
63.18	1108	3891
63.2	1031	3841
63.22	1019	3788
63.24	1017	3793
63.26	1043	3808



2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
63.28	982	3759
63.3	1049	3748
63.32	987	3720
63.34	970	3802
63.36	997	3741
63.38	1000	3703
63.4	994	3704
63.42	916	3760
63.44	964	3705
63.46	999	3656
63.48	965	3684
63.5	931	3750
63.52	945	3741
63.54	926	3708
63.56	956	3609
63.58	958	3688
63.6	934	3696
63.62	919	3727
63.64	924	3650
63.66	944	3687
63.68	1015	3628
63.7	966	3654
63.72	920	3633
63.74	888	3663
63.76	942	3645
63.78	886	3642
63.8	908	3624
63.82	937	3675
63.84	937	3637
63.86	886	3651
63.88	927	3600
63.9	954	3633
63.92	926	3634
63.94	935	3630
63.96	888	3651
63.98	893	3678
64	870	3645
64.02	897	3618
64.04	871	3602
64.06	963	3656
64.08	907	3636
64.1	937	3606
64.12	923	3626
64.14	891	3603
64.16	983	3539
64.18	912	3629
64.2	861	3553
64.22	923	3555
64.24	884	3606
64.26	866	3566
64.28	896	3628
64.3	919	3663
64.32	887	3675
64.34	910	3693
64.36	875	3565
64.38	905	3642
64.4	917	3659
64.42	927	3606
64.44	863	3631
64.46	866	3611
64.48	896	3575
64.5	916	3649

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
64.52	877	3612
64.54	909	3629
64.56	936	3571
64.58	878	3672
64.6	891	3602
64.62	883	3557
64.64	914	3618
64.66	803	3555
64.68	904	3577
64.7	892	3650
64.72	885	3622
64.74	862	3598
64.76	905	3573
64.78	907	3596
64.8	907	3619
64.82	887	3601
64.84	886	3562
64.86	880	3569
64.88	892	3611
64.9	899	3579
64.92	949	3556
64.94	888	3611
64.96	899	3622
64.98	905	3634
65	901	3604
65.02	891	3572
65.04	904	3530
65.06	857	3580
65.08	821	3545
65.1	904	3610
65.12	874	3568
65.14	835	3512
65.16	896	3618
65.18	900	3619
65.2	860	3604
65.22	888	3612
65.24	890	3612
65.26	913	3580
65.28	835	3582
65.3	872	3545
65.32	833	3532
65.34	919	3583
65.36	841	3562
65.38	871	3601
65.4	856	3588
65.42	811	3570
65.44	861	3604
65.46	881	3613
65.48	874	3628
65.5	901	3628
65.52	867	3582
65.54	864	3601
65.56	877	3605
65.58	839	3554
65.6	825	3584
65.62	889	3551
65.64	880	3618
65.66	846	3611
65.68	883	3609
65.7	903	3648
65.72	878	3543
65.74	916	3647

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
65.76	941	3563
65.78	867	3629
65.8	926	3612
65.82	877	3612
65.84	891	3622
65.86	851	3624
65.88	853	3617
65.9	886	3597
65.92	894	3621
65.94	839	3584
65.96	821	3626
65.98	825	3632
66	872	3596
66.02	845	3593
66.04	883	3591
66.06	861	3643
66.08	919	3668
66.1	841	3642
66.12	860	3522
66.14	832	3614
66.16	868	3575
66.18	879	3577
66.2	838	3621
66.22	829	3623
66.24	790	3599
66.26	877	3642
66.28	862	3652
66.3	874	3625
66.32	919	3586
66.34	890	3529
66.36	874	3543
66.38	903	3602
66.4	865	3578
66.42	883	3632
66.44	903	3597
66.46	889	3634
66.48	835	3551
66.5	879	3576
66.52	846	3628
66.54	876	3530
66.56	861	3588
66.58	874	3629
66.6	844	3621
66.62	882	3548
66.64	818	3641
66.66	855	3570
66.68	879	3617
66.7	892	3600
66.72	925	3544
66.74	885	3551
66.76	852	3622
66.78	851	3638
66.8	877	3605
66.82	920	3554
66.84	876	3570
66.86	872	3602
66.88	874	3607
66.9	860	3585
66.92	849	3560
66.94	900	3580
66.96	925	3559
66.98	832	3632

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
67	841	3554
67.02	886	3592
67.04	880	3602
67.06	842	3570
67.08	829	3606
67.1	864	3526
67.12	864	3625
67.14	854	3583
67.16	791	3570
67.18	862	3604
67.2	835	3630
67.22	857	3542
67.24	830	3587
67.26	828	3632
67.28	870	3619
67.3	869	3554
67.32	901	3550
67.34	845	3596
67.36	855	3584
67.38	865	3493
67.4	854	3662
67.42	899	3591
67.44	881	3572
67.46	865	3596
67.48	860	3629
67.5	879	3610
67.52	888	3604
67.54	834	3544
67.56	824	3540
67.58	839	3618
67.6	850	3575
67.62	791	3612
67.64	917	3619
67.66	870	3624
67.68	870	3568
67.7	873	3561
67.72	902	3643
67.74	870	3576
67.76	826	3588
67.78	838	3612
67.8	914	3582
67.82	885	3610
67.84	859	3600
67.86	847	3664
67.88	869	3585
67.9	889	3560
67.92	835	3591
67.94	875	3585
67.96	827	3566
67.98	864	3554
68	862	3571
68.02	821	3621
68.04	865	3597
68.06	876	3623
68.08	844	3642
68.1	859	3653
68.12	826	3571
68.14	855	3576
68.16	837	3586
68.18	886	3594
68.2	859	3575
68.22	865	3613

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
68.24	857	3657
68.26	864	3597
68.28	916	3605
68.3	852	3609
68.32	863	3565
68.34	844	3604
68.36	885	3585
68.38	925	3593
68.4	891	3583
68.42	918	3587
68.44	836	3583
68.46	831	3599
68.48	850	3614
68.5	870	3599
68.52	808	3618
68.54	822	3581
68.56	833	3637
68.58	846	3569
68.6	858	3538
68.62	846	3630
68.64	858	3609
68.66	839	3592
68.68	849	3578
68.7	833	3590
68.72	874	3620
68.74	822	3563
68.76	836	3565
68.78	795	3623
68.8	860	3619
68.82	882	3549
68.84	839	3568
68.86	819	3624
68.88	878	3609
68.9	889	3538
68.92	892	3619
68.94	857	3593
68.96	830	3612
68.98	784	3578
69	915	3585
69.02	869	3591
69.04	892	3529
69.06	847	3612
69.08	858	3633
69.1	819	3563
69.12	861	3649
69.14	844	3576
69.16	889	3586
69.18	853	3599
69.2	888	3583
69.22	856	3594
69.24	852	3554
69.26	870	3573
69.28	852	3640
69.3	803	3569
69.32	845	3571
69.34	839	3597
69.36	838	3569
69.38	820	3628
69.4	833	3533
69.42	904	3607
69.44	838	3563
69.46	813	3609

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
69.48	880	3608
69.5	876	3649
69.52	836	3600
69.54	829	3600
69.56	849	3608
69.58	805	3642
69.6	842	3555
69.62	825	3599
69.64	839	3633
69.66	847	3574
69.68	863	3648
69.7	871	3611
69.72	829	3611
69.74	860	3540
69.76	852	3603
69.78	899	3666
69.8	816	3624
69.82	833	3538
69.84	895	3564
69.86	807	3577
69.88	810	3579
69.9	858	3636
69.92	912	3561
69.94	803	3675
69.96	856	3598
69.98	817	3651
70	846	3650
70.02	851	3609
70.04	907	3531
70.06	838	3601
70.08	868	3634
70.1	829	3571
70.12	830	3615
70.14	838	3652
70.16	882	3537
70.18	844	3576
70.2	863	3568
70.22	842	3566
70.24	875	3548
70.26	801	3603
70.28	823	3509
70.3	846	3592
70.32	868	3564
70.34	863	3537
70.36	845	3562
70.38	782	3571
70.4	817	3599
70.42	833	3565
70.44	842	3592
70.46	860	3553
70.48	873	3620
70.5	842	3614
70.52	802	3560
70.54	816	3633
70.56	843	3604
70.58	855	3574
70.6	825	3661
70.62	842	3592
70.64	831	3621
70.66	805	3637
70.68	872	3630
70.7	775	3595

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
70.72	863	3668
70.74	885	3675
70.76	855	3629
70.78	815	3600
70.8	816	3617
70.82	857	3639
70.84	862	3600
70.86	904	3644
70.88	862	3655
70.9	856	3595
70.92	826	3577
70.94	836	3618
70.96	841	3611
70.98	858	3680
71	810	3626
71.02	799	3672
71.04	830	3575
71.06	820	3686
71.08	859	3601
71.1	842	3613
71.12	842	3665
71.14	863	3634
71.16	847	3651
71.18	825	3660
71.2	820	3662
71.22	843	3629
71.24	815	3655
71.26	870	3591
71.28	864	3598
71.3	820	3681
71.32	862	3625
71.34	867	3614
71.36	892	3654
71.38	809	3624
71.4	865	3621
71.42	863	3584
71.44	864	3625
71.46	894	3625
71.48	866	3655
71.5	872	3593
71.52	816	3642
71.54	854	3595
71.56	859	3609
71.58	802	3600
71.6	852	3548
71.62	874	3600
71.64	847	3630
71.66	846	3566
71.68	851	3608
71.7	904	3614
71.72	811	3668
71.74	803	3610
71.76	883	3652
71.78	874	3614
71.8	839	3594
71.82	880	3619
71.84	790	3595
71.86	810	3514
71.88	830	3588
71.9	844	3595
71.92	857	3556
71.94	876	3608

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
71.96	845	3565
71.98	828	3608
72	832	3642
72.02	816	3582
72.04	867	3595
72.06	813	3555
72.08	860	3611
72.1	880	3585
72.12	872	3552
72.14	809	3646
72.16	854	3628
72.18	845	3600
72.2	834	3533
72.22	831	3591
72.24	890	3599
72.26	832	3597
72.28	836	3585
72.3	794	3592
72.32	791	3583
72.34	890	3627
72.36	837	3625
72.38	877	3608
72.4	896	3608
72.42	823	3645
72.44	792	3675
72.46	856	3587
72.48	850	3592
72.5	835	3589
72.52	849	3553
72.54	841	3541
72.56	839	3522
72.58	846	3608
72.6	814	3591
72.62	828	3615
72.64	830	3593
72.66	875	3627
72.68	860	3595
72.7	850	3638
72.72	813	3591
72.74	793	3553
72.76	822	3586
72.78	853	3577
72.8	844	3631
72.82	859	3640
72.84	844	3576
72.86	827	3597
72.88	866	3586
72.9	795	3535
72.92	862	3637
72.94	859	3554
72.96	848	3607
72.98	833	3555
73	828	3579
73.02	826	3604
73.04	832	3615
73.06	893	3610
73.08	840	3625
73.1	848	3574
73.12	853	3582
73.14	867	3596
73.16	862	3619
73.18	859	3606



2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
73.2	825	3592
73.22	875	3614
73.24	811	3540
73.26	859	3602
73.28	842	3582
73.3	876	3576
73.32	901	3583
73.34	889	3634
73.36	872	3603
73.38	880	3636
73.4	944	3650
73.42	809	3640
73.44	849	3581
73.46	900	3664
73.48	849	3615
73.5	878	3621
73.52	852	3631
73.54	816	3629
73.56	898	3631
73.58	821	3635
73.6	851	3578
73.62	848	3610
73.64	843	3622
73.66	906	3602
73.68	888	3601
73.7	826	3676
73.72	900	3647
73.74	896	3651
73.76	827	3697
73.78	863	3685
73.8	871	3658
73.82	816	3655
73.84	826	3684
73.86	882	3689
73.88	922	3644
73.9	872	3682
73.92	908	3747
73.94	861	3710
73.96	867	3703
73.98	883	3742
74	814	3773
74.02	853	3731
74.04	836	3782
74.06	877	3746
74.08	793	3692
74.1	875	3771
74.12	848	3754
74.14	865	3722
74.16	845	3740
74.18	864	3758
74.2	896	3709
74.22	857	3700
74.24	855	3766
74.26	886	3746
74.28	927	3730
74.3	906	3695
74.32	869	3737
74.34	899	3721
74.36	868	3757
74.38	898	3681
74.4	936	3699
74.42	841	3696

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
74.44	889	3728
74.46	917	3647
74.48	879	3682
74.5	857	3644
74.52	915	3744
74.54	850	3681
74.56	911	3688
74.58	837	3627
74.6	864	3646
74.62	871	3699
74.64	868	3617
74.66	851	3641
74.68	898	3583
74.7	830	3654
74.72	884	3668
74.74	884	3648
74.76	863	3626
74.78	822	3647
74.8	878	3615
74.82	855	3643
74.84	824	3605
74.86	791	3650
74.88	800	3688
74.9	866	3627
74.92	857	3637
74.94	829	3651
74.96	823	3632
74.98	803	3643
75	840	3637
75.02	790	3675
75.04	820	3659
75.06	822	3656
75.08	845	3614
75.1	850	3603
75.12	825	3684
75.14	824	3644
75.16	855	3687
75.18	871	3630
75.2	837	3650
75.22	875	3684
75.24	842	3645
75.26	870	3679
75.28	876	3636
75.3	850	3591
75.32	836	3680
75.34	854	3613
75.36	892	3627
75.38	859	3614
75.4	835	3709
75.42	847	3646
75.44	872	3614
75.46	867	3648
75.48	839	3628
75.5	829	3637
75.52	786	3686
75.54	784	3594
75.56	857	3567
75.58	827	3561
75.6	864	3616
75.62	822	3594
75.64	837	3616
75.66	813	3584

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
75.68	820	3627
75.7	848	3599
75.72	851	3596
75.74	859	3588
75.76	807	3583
75.78	839	3546
75.8	846	3605
75.82	825	3622
75.84	823	3580
75.86	800	3545
75.88	863	3597
75.9	893	3613
75.92	801	3639
75.94	824	3588
75.96	827	3599
75.98	842	3547
76	842	3600
76.02	825	3543
76.04	880	3590
76.06	843	3552
76.08	858	3627
76.1	842	3598
76.12	832	3652
76.14	808	3538
76.16	761	3617
76.18	755	3592
76.2	835	3597
76.22	803	3577
76.24	803	3535
76.26	831	3571
76.28	816	3616
76.3	842	3580
76.32	814	3524
76.34	852	3580
76.36	761	3554
76.38	815	3639
76.4	869	3572
76.42	826	3580
76.44	831	3503
76.46	793	3655
76.48	869	3595
76.5	832	3525
76.52	802	3548
76.54	827	3562
76.56	793	3613
76.58	835	3602
76.6	846	3592
76.62	798	3535
76.64	831	3637
76.66	804	3596
76.68	803	3479
76.7	802	3593
76.72	805	3595
76.74	793	3552
76.76	809	3616
76.78	859	3548
76.8	774	3588
76.82	811	3573
76.84	815	3589
76.86	795	3618
76.88	793	3600
76.9	794	3600

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
76.92	790	3665
76.94	854	3552
76.96	770	3581
76.98	775	3566
77	828	3574
77.02	837	3543
77.04	830	3563
77.06	816	3591
77.08	768	3593
77.1	811	3546
77.12	822	3609
77.14	791	3604
77.16	798	3562
77.18	821	3641
77.2	759	3581
77.22	795	3586
77.24	791	3587
77.26	773	3579
77.28	805	3553
77.3	777	3579
77.32	810	3597
77.34	828	3602
77.36	865	3604
77.38	804	3602
77.4	803	3527
77.42	796	3546
77.44	778	3633
77.46	771	3627
77.48	823	3592
77.5	813	3590
77.52	788	3600
77.54	809	3557
77.56	779	3589
77.58	816	3617
77.6	813	3573
77.62	797	3537
77.64	837	3580
77.66	826	3555
77.68	808	3546
77.7	850	3624
77.72	818	3544
77.74	820	3611
77.76	807	3588
77.78	861	3600
77.8	826	3516
77.82	825	3604
77.84	784	3633
77.86	806	3632
77.88	850	3593
77.9	847	3558
77.92	815	3578
77.94	837	3542
77.96	871	3591
77.98	791	3596
78	865	3641
78.02	831	3580
78.04	786	3548
78.06	822	3591
78.08	802	3537
78.1	870	3612
78.12	823	3597
78.14	848	3606

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
78.16	791	3566
78.18	809	3599
78.2	835	3563
78.22	834	3519
78.24	818	3588
78.26	806	3610
78.28	814	3654
78.3	844	3535
78.32	779	3614
78.34	823	3618
78.36	812	3612
78.38	771	3600
78.4	772	3600
78.42	786	3603
78.44	867	3617
78.46	785	3552
78.48	838	3595
78.5	817	3641
78.52	794	3605
78.54	796	3589
78.56	802	3532
78.58	803	3560
78.6	787	3611
78.62	779	3583
78.64	820	3664
78.66	813	3621
78.68	863	3589
78.7	812	3558
78.72	794	3607
78.74	831	3623
78.76	858	3610
78.78	803	3602
78.8	822	3669
78.82	847	3604
78.84	838	3603
78.86	805	3639
78.88	797	3604
78.9	796	3597
78.92	811	3658
78.94	872	3651
78.96	824	3571
78.98	801	3646
79	857	3647
79.02	838	3558
79.04	876	3615
79.06	792	3666
79.08	820	3679
79.1	786	3682
79.12	778	3645
79.14	793	3632
79.16	797	3657
79.18	821	3623
79.2	782	3579
79.22	800	3597
79.24	852	3619
79.26	822	3640
79.28	807	3607
79.3	777	3610
79.32	767	3675
79.34	766	3575
79.36	858	3620
79.38	872	3602

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
79.4	775	3540
79.42	833	3534
79.44	787	3582
79.46	816	3594
79.48	843	3608
79.5	808	3625
79.52	781	3642
79.54	805	3558
79.56	862	3623
79.58	829	3567
79.6	796	3594
79.62	813	3631
79.64	760	3582
79.66	838	3594
79.68	796	3598
79.7	793	3589
79.72	773	3624
79.74	798	3573
79.76	819	3607
79.78	846	3603
79.8	797	3560
79.82	843	3607
79.84	790	3598
79.86	844	3556
79.88	792	3625
79.9	775	3621
79.92	801	3588
79.94	782	3602
79.96	811	3572
79.98	811	3572
80	834	3570
80.02	809	3576
80.04	813	3579
80.06	838	3654
80.08	829	3551
80.1	828	3565
80.12	829	3566
80.14	809	3590
80.16	805	3576
80.18	828	3589
80.2	742	3639
80.22	789	3552
80.24	839	3583
80.26	795	3598
80.28	826	3582
80.3	832	3597
80.32	809	3593
80.34	823	3601
80.36	803	3576
80.38	807	3605
80.4	816	3578
80.42	808	3602
80.44	863	3581
80.46	806	3637
80.48	839	3588
80.5	818	3565
80.52	791	3596
80.54	823	3576
80.56	814	3554
80.58	801	3585
80.6	762	3567
80.62	809	3594

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
80.64	803	3556
80.66	821	3584
80.68	823	3624
80.7	821	3592
80.72	846	3586
80.74	810	3574
80.76	826	3581
80.78	791	3587
80.8	817	3566
80.82	799	3552
80.84	896	3671
80.86	802	3606
80.88	865	3612
80.9	801	3568
80.92	820	3554
80.94	836	3654
80.96	819	3525
80.98	762	3574
81	726	3612
81.02	830	3562
81.04	820	3624
81.06	804	3599
81.08	786	3543
81.1	774	3551
81.12	817	3589
81.14	848	3610
81.16	824	3487
81.18	784	3552
81.2	814	3599
81.22	869	3523
81.24	826	3510
81.26	790	3561
81.28	841	3556
81.3	825	3567
81.32	803	3583
81.34	802	3626
81.36	835	3646
81.38	780	3564
81.4	788	3618
81.42	788	3594
81.44	838	3604
81.46	794	3606
81.48	832	3623
81.5	804	3575
81.52	818	3575
81.54	824	3635
81.56	772	3562
81.58	817	3633
81.6	814	3623
81.62	817	3525
81.64	806	3603
81.66	791	3597
81.68	797	3578
81.7	759	3577
81.72	803	3609
81.74	808	3654
81.76	853	3604
81.78	826	3571
81.8	726	3607
81.82	816	3546
81.84	817	3604
81.86	794	3552

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
81.88	825	3558
81.9	826	3535
81.92	859	3592
81.94	820	3564
81.96	755	3527
81.98	820	3630
82	842	3626
82.02	819	3563
82.04	834	3593
82.06	814	3618
82.08	819	3548
82.1	857	3586
82.12	788	3547
82.14	859	3585
82.16	848	3618
82.18	796	3553
82.2	775	3601
82.22	816	3548
82.24	807	3628
82.26	838	3515
82.28	778	3566
82.3	806	3616
82.32	815	3653
82.34	791	3595
82.36	778	3572
82.38	798	3580
82.4	827	3578
82.42	768	3585
82.44	769	3558
82.46	829	3596
82.48	782	3606
82.5	782	3588
82.52	794	3617
82.54	786	3617
82.56	831	3492
82.58	795	3578
82.6	764	3530
82.62	847	3589
82.64	813	3574
82.66	864	3601
82.68	838	3601
82.7	769	3581
82.72	863	3603
82.74	818	3588
82.76	828	3567
82.78	831	3611
82.8	779	3619
82.82	771	3570
82.84	775	3591
82.86	864	3594
82.88	812	3554
82.9	821	3640
82.92	751	3563
82.94	812	3576
82.96	860	3632
82.98	838	3545
83	807	3549
83.02	808	3617
83.04	835	3548
83.06	845	3573
83.08	842	3614
83.1	762	3635



2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
83.12	766	3584
83.14	774	3537
83.16	803	3570
83.18	796	3580
83.2	818	3600
83.22	798	3562
83.24	792	3604
83.26	765	3576
83.28	827	3571
83.3	804	3622
83.32	796	3570
83.34	802	3579
83.36	831	3534
83.38	803	3635
83.4	766	3579
83.42	791	3583
83.44	816	3569
83.46	786	3632
83.48	820	3567
83.5	784	3597
83.52	818	3516
83.54	736	3538
83.56	830	3536
83.58	768	3580
83.6	761	3539
83.62	786	3608
83.64	842	3600
83.66	783	3528
83.68	817	3545
83.7	802	3597
83.72	799	3525
83.74	786	3549
83.76	814	3592
83.78	870	3622
83.8	814	3565
83.82	818	3562
83.84	860	3605
83.86	834	3567
83.88	824	3600
83.9	789	3565
83.92	805	3556
83.94	803	3627
83.96	853	3588
83.98	790	3561
84	733	3597
84.02	807	3573
84.04	809	3610
84.06	746	3623
84.08	801	3590
84.1	780	3596
84.12	804	3579
84.14	820	3634
84.16	798	3561
84.18	820	3536
84.2	806	3567
84.22	812	3595
84.24	811	3636
84.26	853	3495
84.28	831	3530
84.3	859	3570
84.32	720	3563
84.34	807	3585

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
84.36	826	3530
84.38	830	3589
84.4	785	3610
84.42	769	3569
84.44	825	3571
84.46	798	3550
84.48	762	3578
84.5	803	3551
84.52	758	3576
84.54	777	3663
84.56	836	3647
84.58	787	3637
84.6	797	3590
84.62	795	3548
84.64	852	3600
84.66	800	3554
84.68	875	3588
84.7	782	3593
84.72	803	3552
84.74	795	3562
84.76	831	3556
84.78	832	3601
84.8	786	3639
84.82	819	3574
84.84	791	3558
84.86	795	3591
84.88	743	3623
84.9	808	3632
84.92	816	3583
84.94	844	3555
84.96	805	3529
84.98	781	3617
85	875	3580
85.02	785	3563
85.04	770	3574
85.06	817	3592
85.08	795	3574
85.1	747	3631
85.12	777	3539
85.14	840	3557
85.16	811	3570
85.18	846	3554
85.2	784	3643
85.22	779	3653
85.24	788	3598
85.26	786	3564
85.28	820	3550
85.3	725	3578
85.32	805	3550
85.34	794	3564
85.36	777	3527
85.38	784	3551
85.4	756	3550
85.42	777	3577
85.44	796	3600
85.46	793	3583
85.48	847	3644
85.5	812	3645
85.52	821	3648
85.54	813	3597
85.56	818	3593
85.58	792	3585

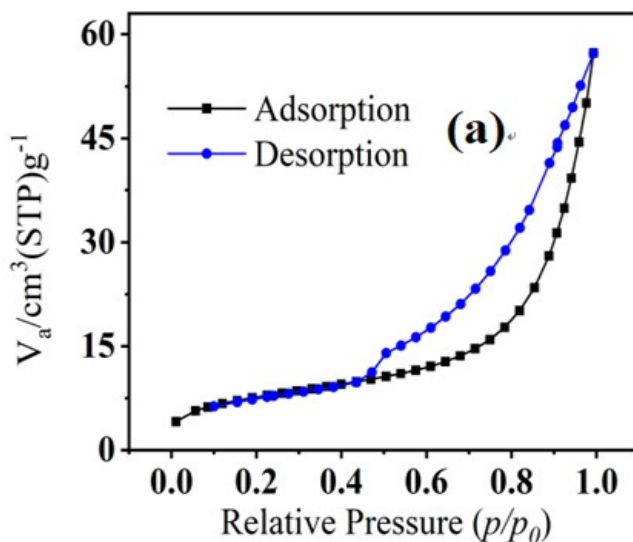
2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
85.6	852	3568
85.62	803	3624
85.64	814	3621
85.66	791	3537
85.68	758	3595
85.7	774	3626
85.72	795	3596
85.74	830	3614
85.76	803	3603
85.78	781	3575
85.8	813	3608
85.82	814	3653
85.84	793	3578
85.86	808	3575
85.88	776	3577
85.9	827	3615
85.92	830	3623
85.94	774	3635
85.96	787	3599
85.98	792	3608
86	817	3571
86.02	806	3614
86.04	807	3551
86.06	814	3587
86.08	806	3590
86.1	810	3538
86.12	843	3616
86.14	790	3594
86.16	798	3614
86.18	771	3593
86.2	812	3591
86.22	838	3587
86.24	829	3603
86.26	829	3600
86.28	769	3581
86.3	816	3603
86.32	816	3546
86.34	764	3575
86.36	824	3625
86.38	821	3598
86.4	789	3622
86.42	826	3580
86.44	798	3578
86.46	785	3627
86.48	826	3685
86.5	821	3627
86.52	792	3595
86.54	803	3586
86.56	787	3560
86.58	806	3560
86.6	803	3618
86.62	841	3656
86.64	832	3603
86.66	845	3571
86.68	758	3635
86.7	836	3671
86.72	773	3657
86.74	785	3635
86.76	758	3659
86.78	800	3618
86.8	772	3657
86.82	795	3602

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
86.84	858	3661
86.86	814	3685
86.88	819	3591
86.9	818	3648
86.92	817	3646
86.94	761	3622
86.96	795	3695
86.98	775	3681
87	790	3605
87.02	821	3660
87.04	799	3688
87.06	781	3691
87.08	848	3633
87.1	837	3645
87.12	831	3596
87.14	877	3639
87.16	801	3575
87.18	869	3595
87.2	799	3663
87.22	859	3585
87.24	827	3630
87.26	804	3624
87.28	837	3617
87.3	787	3625
87.32	756	3588
87.34	801	3633
87.36	809	3671
87.38	883	3621
87.4	824	3639
87.42	783	3655
87.44	790	3604
87.46	815	3584
87.48	791	3671
87.5	816	3572
87.52	799	3655
87.54	793	3577
87.56	792	3573
87.58	830	3619
87.6	810	3656
87.62	804	3651
87.64	783	3564
87.66	794	3612
87.68	793	3637
87.7	836	3641
87.72	829	3632
87.74	797	3605
87.76	775	3588
87.78	813	3624
87.8	780	3644
87.82	805	3598
87.84	809	3584
87.86	785	3589
87.88	776	3652
87.9	807	3596
87.92	805	3581
87.94	878	3553
87.96	828	3678
87.98	821	3637
88	772	3586
88.02	815	3651
88.04	780	3637
88.06	816	3618

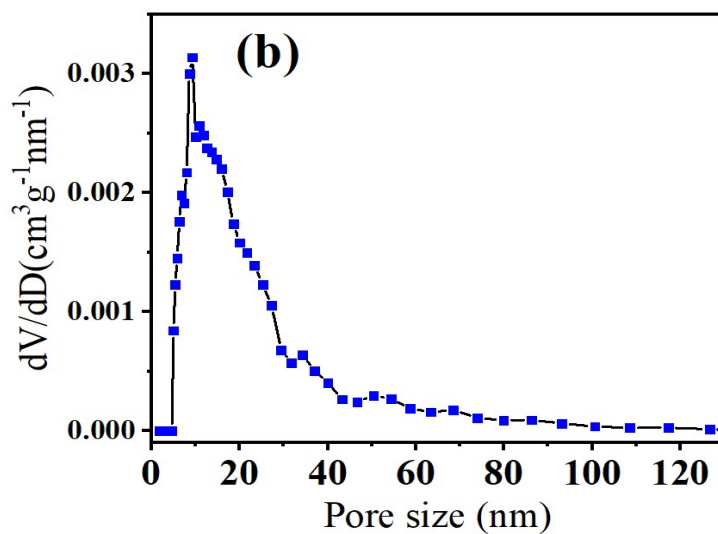
2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
88.08	795	3615
88.1	814	3640
88.12	787	3567
88.14	783	3608
88.16	775	3579
88.18	754	3609
88.2	813	3685
88.22	829	3566
88.24	838	3637
88.26	819	3592
88.28	831	3627
88.3	784	3658
88.32	809	3609
88.34	792	3610
88.36	831	3637
88.38	784	3604
88.4	866	3659
88.42	799	3533
88.44	801	3575
88.46	809	3634
88.48	790	3577
88.5	779	3615
88.52	776	3538
88.54	780	3586
88.56	799	3560
88.58	810	3597
88.6	779	3702
88.62	819	3591
88.64	814	3619
88.66	824	3599
88.68	798	3663
88.7	777	3601
88.72	781	3621
88.74	833	3632
88.76	780	3621
88.78	760	3659
88.8	819	3546
88.82	807	3612
88.84	764	3617
88.86	840	3592
88.88	828	3555
88.9	795	3640
88.92	803	3635
88.94	844	3613
88.96	783	3643
88.98	789	3677
89	814	3566
89.02	777	3624
89.04	810	3618
89.06	829	3664
89.08	835	3635
89.1	797	3617
89.12	760	3598
89.14	804	3659
89.16	772	3601
89.18	769	3560
89.2	814	3691
89.22	860	3696
89.24	814	3655
89.26	765	3688
89.28	796	3667
89.3	838	3673

2 $\theta$ (°)	Intencity (a.u.)	
	Fe/S@CMIBWS	MIBWS
89.32	795	3667
89.34	815	3686
89.36	822	3619
89.38	819	3680
89.4	815	3650
89.42	793	3672
89.44	818	3709
89.46	834	3729
89.48	810	3735
89.5	793	3717
89.52	777	3686
89.54	825	3703
89.56	837	3715
89.58	834	3664
89.6	838	3686
89.62	818	3714
89.64	825	3738
89.66	826	3829
89.68	801	3763
89.7	884	3784
89.72	799	3856
89.74	870	3833
89.76	799	3789
89.78	815	3787
89.8	777	3769
89.82	826	3813
89.84	851	3830
89.86	879	3821
89.88	885	3814
89.9	870	3811
89.92	848	3760
89.94	825	3803
89.96	850	3795
89.98	845	3797
90	883	3815

Relative Pressure (p/p <sub>0</sub> )	V <sub>a</sub> /cm <sup>3</sup> (STP)g <sup>-1</sup>	Relative Pressure (p/p <sub>0</sub> )	V <sub>a</sub> /cm <sup>3</sup> (STP)g <sup>-1</sup>
0.011120067	4.114630515	0.992920193	57.30103625
0.056822127	5.688864459	0.962739134	52.60849837
0.085314354	6.22717411	0.943980939	49.46250546
0.120047302	6.729241354	0.925919602	46.8915848
0.155093101	7.167495984	0.908507814	44.30941114
0.190206934	7.537735276	0.907906718	43.71607994
0.225109463	7.892028256	0.88968256	41.43156528
0.260046997	8.235625275	0.842101629	34.65121863
0.294968215	8.56	0.819761034	32.07330186
0.32996566	8.862039889	0.785956674	28.81689583
0.364809577	9.175860229	0.750760308	25.83086202
0.399840185	9.513585255	0.715527399	23.27665882
0.434819076	9.853766898	0.68050121	21.08181677
0.469764727	10.23296178	0.645371207	19.26528697
0.504795125	10.64474138	0.610419875	17.67499549
0.539766968	11.04644064	0.575225894	16.29330906
0.574687977	11.51865109	0.540197816	15.08087976
0.609760534	12.07830769	0.505167905	13.9861684
0.644683126	12.75558763	0.471933699	11.22865455
0.679692107	13.60203133	0.435177413	9.785022408
0.714648478	14.63933247	0.381161025	9.116354515
0.749543678	15.95982927	0.345937608	8.795978033
0.784419206	17.73857973	0.31084281	8.455647432
0.819239074	20.11783164	0.275701696	8.14516921
0.853953577	23.42820567	0.240638321	7.835380175
0.88854275	28.03597433	0.224950237	7.682271675
0.906910324	31.32531393	0.18991597	7.305822221
0.924282565	34.89980193	0.154910173	6.941625187
0.941070222	39.25233676	0.100048828	6.310447169
0.959006115	44.46794209		
0.976247558	50.08605545		
0.992920193	57.30103625		

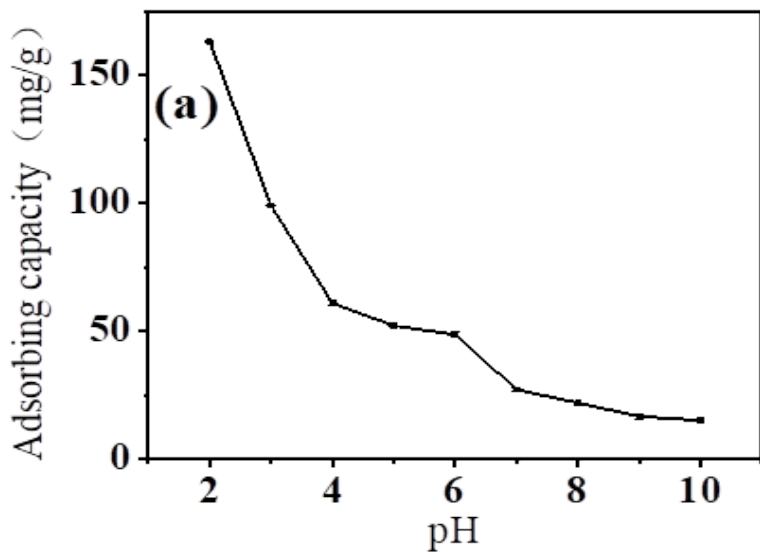


Pore size (nm)	dV/dD(cm <sup>3</sup> g <sup>-1</sup> nm <sup>-1</sup> )
1.8585793	0
2.001546978	0
2.16238568	0
2.341095234	0
2.519804789	0
2.734256221	0
2.948707652	0
3.181030107	0
3.431223586	0
3.699287918	0
4.003093956	0
4.324771359	0
4.664319445	0
5.039609578	0.000842255
5.432770394	0.001226693
5.879544281	0.001451134
6.344189191	0.00175656
6.844575808	0.001981725
7.398575836	0.001915094
7.98831723	0.002171354
8.631671354	0.002999295
9.310767526	0.00313847
10.06134779	0.002469786
10.86554079	0.002563717
11.72334651	0.002484658
12.65263702	0.002374507
13.67128093	0.002340973
14.76140894	0.002279252
15.94089173	0.002201968
17.20973066	0.002006443
18.58579369	0.001738645
20.06908354	0.00158048
21.65959748	0.001496396
23.39307962	0.001389199
25.25166062	0.001228379
27.27107913	0.001052391
29.45133516	0.000678361
31.79242869	0.000571685
34.33010654	0.000634367
37.06436055	0.000504305
40.03094025	0.000403569
43.22984018	0.000264978
46.67893786	0.000241028
50.39609442	0.00029593
54.4170594	0.000268953
58.75969939	0.000185995
63.44189191	0.000156938
68.49937012	0.000173696
73.96788359	0.000108082
79.86529889	0.000087383
86.24523218	8.96095E-05
93.12554458	6.20731E-05
100.5598686	3.50656E-05
108.5660545	2.46847E-05
117.2334679	2.63476E-05
126.5799754	1.16044E-05
136.6770652	0
147.5962256	0
159.3553121	0
172.0794346	0

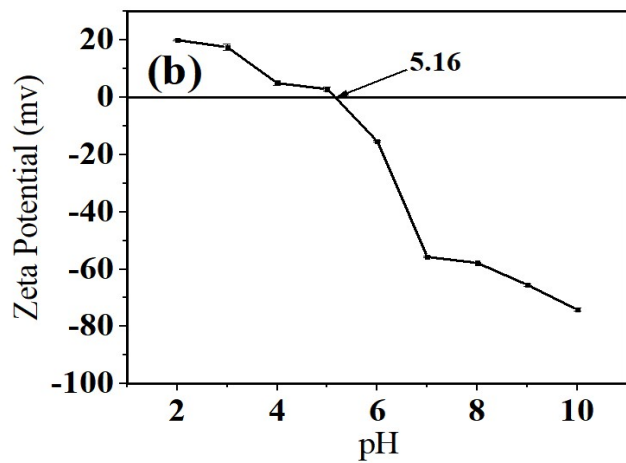




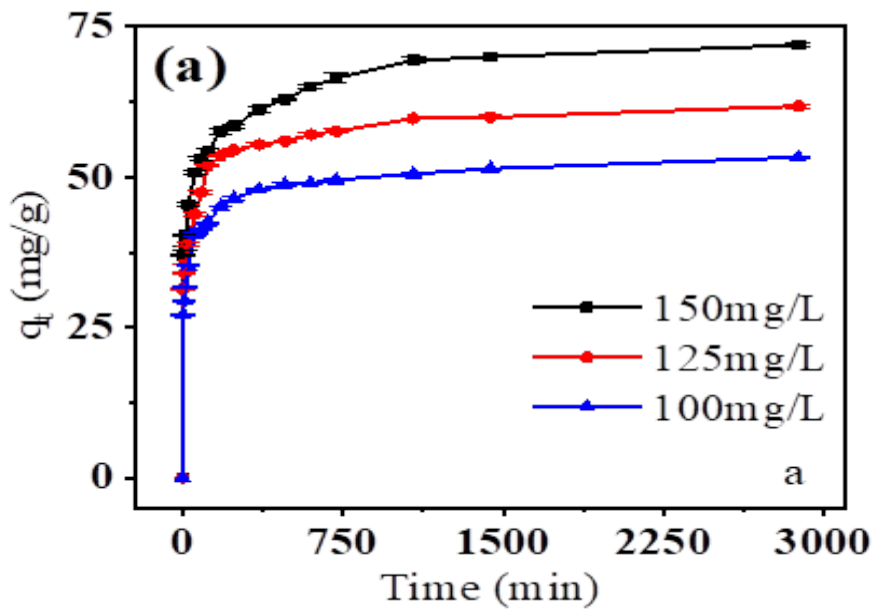
pH	Adsorbing capacity (mg/g)	(Er±)
2	163	0.228408533
3	99.09	0.22423614
4	60.91	1.093288186
5	52.24	0.598292341
6	48.7	1.234926264
7	27.25	0.830305331
8	22.04	0.461050713
9	16.77	1.072826138
10	15.2	0.525029749



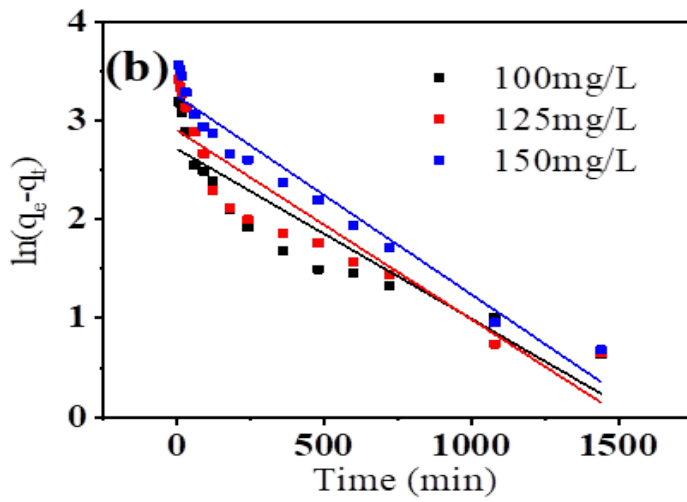
pH	Zeta Potential (mv)	(Er±)
2	20.033	0.208
3	17.600	1.153
4	5.000	0.900
5	2.933	0.814
6	-15.333	0.252
7	-55.733	0.153
8	-57.800	0.100
9	-65.500	0.400
10	-74.167	0.513



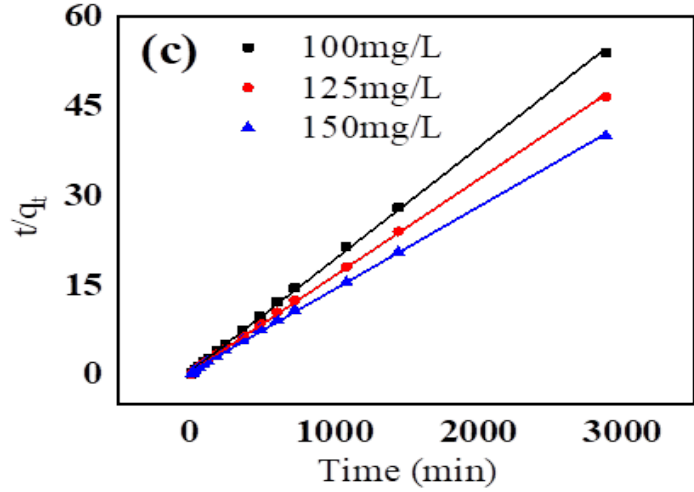
Time (min)	150mg/L		125mg/L		100mg/L	
	qt (mg/g)	(Er±)	qt (mg/g)	(Er±)	qt (mg/g)	(Er±)
0	0	0	0	0	0	0
5	36.99969593	0.1312	31.35487279	0.188263386	27.14344406	0.131262772
10	38.28	0.2826	33.98	0.238108473	29.41	0.121114603
15	40.32	0.18390461	35.58	0.047201363	31.71	0.094157083
30	45.34	0.298362754	38.87	0.327770356	35.25	0.188263386
60	50.73	0.331239434	43.86	0.226705686	40.48	0.238108473
90	53.03	0.406559402	47.48	0.317444555	41.26	0.258197587
120	54.25	0.464775809	51.92	0.20047547	42.44	0.165953914
180	57.65	0.496377007	53.53	0.147431022	45.1	0.105983149
240	58.46	0.332073241	54.48	0.219333299	46.47	0.213612612
360	61.23	0.372989079	55.41	0.342263074	47.94	0.118093676
480	62.98	0.188742785	56.01	0.210787367	48.82	0.213757405
600	65.01	0.332125932	57.06	0.258336965	49	0.105983149
720	66.46862469	0.779965352	57.63094631	0.31215922	49.5305614	0.213612612
1080	69.39	0.50524822	59.74	0.14857487	50.53	0.118093676
1440	70	0.093355679	59.92	0.344643926	51.39	0.213757405
2880	71.97	0.4542	61.83	0.3852	53.28	0.213757405



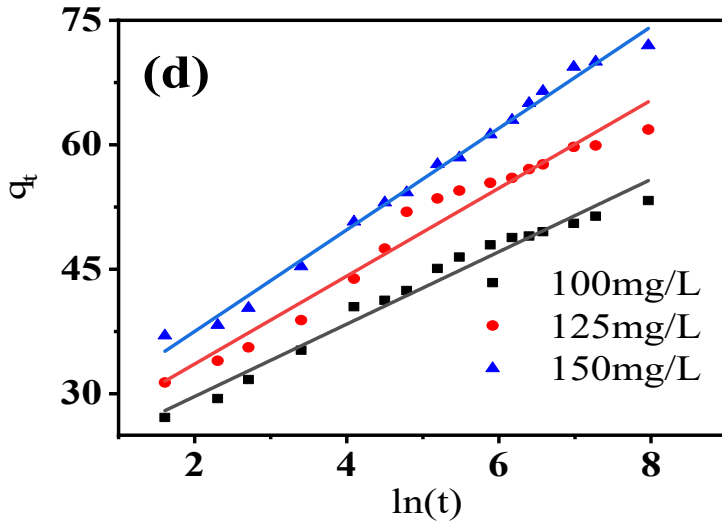
Time (min)	ln(qe-qt)		
	100mg/L	125mg/L	150mg/L
5	3.188274584	3.417074904	3.554642214
10	3.172434578	3.327137494	3.517454583
15	3.071454858	3.267725028	3.454761189
30	2.892171015	3.134167076	3.282130291
60	2.549791423	2.889096214	3.056289647
90	2.486686497	2.663935611	2.94132824
120	2.383137796	2.293605514	2.874908806
180	2.102196202	2.11738973	2.661719524
240	1.917912509	1.995850731	2.603601676
360	1.674675605	1.860571285	2.37404154
480	1.494592451	1.762258765	2.196696958
600	1.454473823	1.562375078	1.941544683
720	1.321606122	1.436049224	1.705906569
1080	1.010616314	0.739090536	0.951244195
1440	0.63429274	0.649351892	0.678699285



Time (min)	t/qt		
	150mg/L	125mg/L	100mg/L
5	0.184206543	0.159464847	0.135136246
10	0.33996857	0.294320922	0.261257196
15	0.473085621	0.421544283	0.371984408
30	0.851122159	0.771892731	0.661630149
60	1.482375767	1.36805315	1.182815373
90	2.181362194	1.895441731	1.69702416
120	2.827445237	2.311052496	2.211932955
180	3.991495823	3.362878043	3.122067266
240	5.164259453	4.405566174	4.105182823
360	7.508926792	6.497304511	5.879059295
480	9.831536524	8.569987155	7.62149771
600	12.24545517	10.51435106	9.229989416
720	14.53647969	12.49328783	10.83217839
1080	21.37229685	18.078046	15.56508361
1440	28.01866479	24.03176188	20.57034479
2880	54.05821886	46.57821004	40.01673564



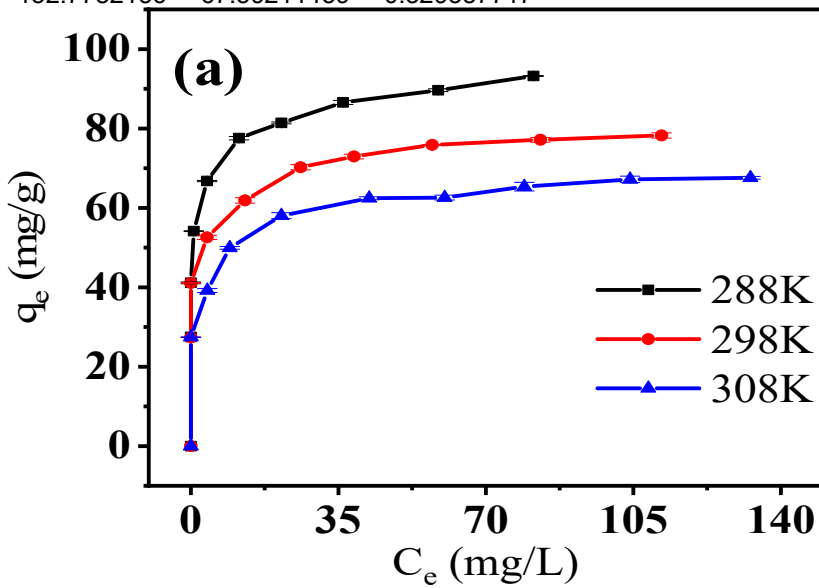
ln(t)	q <sub>t</sub>		
	100mg/L	125mg/L	150mg/L
1.609437912	27.14344406	31.35487279	36.99969593
2.302585093	29.41448385	33.9765176	38.27645765
2.708050201	31.70673411	35.58345018	40.32427075
3.401197382	35.24758423	38.86550398	45.34255283
4.094344562	40.47556721	43.85794515	50.72642897
4.49980967	41.25862282	47.48233541	53.03401221
4.787491743	42.44114031	51.92439383	54.25119225
5.192956851	45.09587582	53.52558067	57.65410694
5.480638923	46.47326537	54.47653956	58.46268251
5.886104031	47.94293645	55.4075924	61.23428629
6.173786104	48.82248047	56.00941884	62.97974732
6.396929655	48.99777034	57.06486275	65.00549166
6.579251212	49.5305614	57.63094631	66.46862469
6.98471632	50.53270631	59.7409698	69.38607121
7.272398393	51.394312	59.92070025	70.00368805
7.965545573	53.27589515	61.83148724	71.96988845



288K		
Ce (mg/L)	qe (mg/g)	(Er±)
0	0	0
0	27.48244782	0
0	41.12401509	0.23170574
0.671664974	54.14522391	0.097638634
3.820559276	66.76024334	0.139025579
11.40654621	77.55726801	0.421029741
21.49712644	81.40543954	0.248513873
36.12541774	86.55975487	0.508966184
58.69824575	89.62765953	0.355931398
81.31397357	93.23262716	0.106166037

298K		
Ce (mg/L)	qe (mg/g)	Er±
0	0	0
0	27.3457463	0.03848032
0	41.08248425	0.057810356
3.814812129	52.58609802	0.549330604
12.84552665	61.88315547	0.685703324
26.05628839	70.25322452	0.65477979
38.68767365	72.94275051	0.602442377
57.2552433	75.86562372	0.099986228
82.96430468	77.15604694	0.593895973
111.708545	78.2363116	0.665928962

308K		
Ce (mg/L)	qe (mg/g)	Er±
0	0	0
0	27.45502023	0.038788477
3.890115588	39.18531148	0.490385942
9.235724692	49.92489293	0.335539032
21.48708804	58.0426053	0.744723101
42.30215314	62.42521868	0.363256168
60.21174077	62.58513579	0.615348518
79.13508479	65.34412988	1.083673096
104.2029367	67.19121156	0.822100927
132.7782156	67.59211459	0.329357717



308K

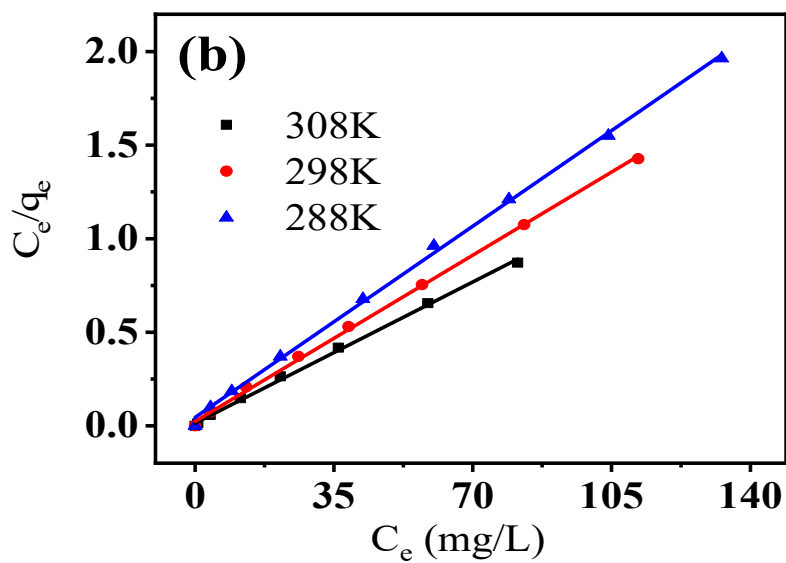
Ce (mg/L)	C <sub>e</sub> /q <sub>e</sub>
0	0
0	0
0.671664974	0.012404879
3.820559276	0.057228061
11.40654621	0.147072563
21.49712644	0.264074816
36.12541774	0.417346581
58.69824575	0.654912178
81.31397357	0.872162204

298K

Ce (mg/L)	C <sub>e</sub> /q <sub>e</sub>
0	0
0	0
3.814812129	0.072544119
12.84552665	0.207577111
26.05628839	0.370890996
38.68767365	0.53038408
57.2552433	0.754692844
82.96430468	1.075279359
111.708545	1.427835013

288K

Ce (mg/L)	C <sub>e</sub> /q <sub>e</sub>
0	0
3.890115588	0.099274842
9.235724692	0.184992379
21.48708804	0.370195099
42.30215314	0.677645254
60.21174077	0.962077337
79.13508479	1.211051168
104.2029367	1.550841759
132.7782156	1.964403931





308K

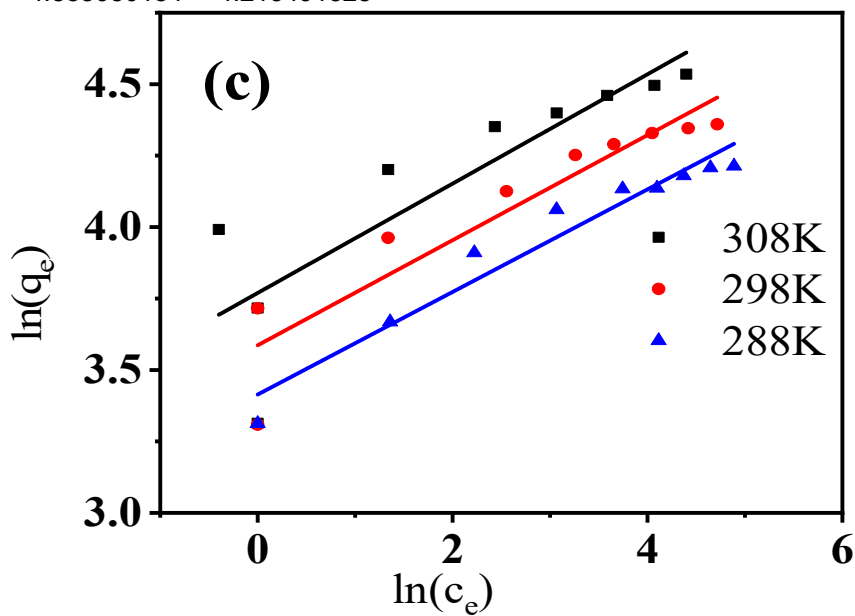
$\ln(C_e)$	$\ln(q_e)$
0	3.31354754
0	3.71659226
-0.397995613	3.991669768
1.340396819	4.201107744
2.43418742	4.351016605
3.067919272	4.399442096
3.58699671	4.460834983
4.072409841	4.495663972
4.398317878	4.535097737

298K

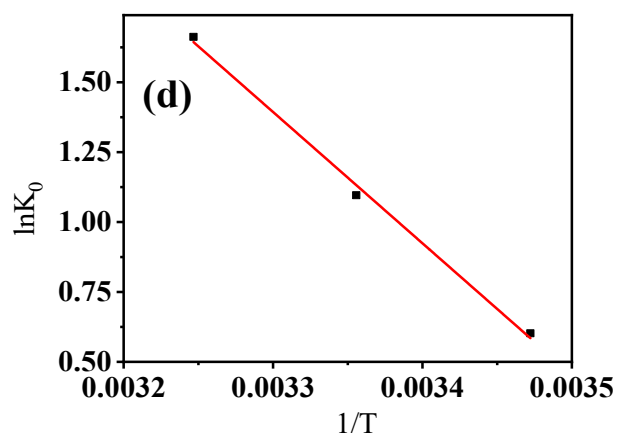
$\ln(C_e)$	$\ln(q_e)$
0	3.308560988
0	3.715581857
1.338891418	3.962451789
2.55299563	4.125248018
3.260259136	4.252106208
3.655521039	4.289674894
4.047519224	4.328963666
4.418410451	4.345829955
4.715893203	4.359733882

288K

$\ln(C_e)$	$\ln(q_e)$
0	3.312549037
1.358438871	3.668301969
2.223079083	3.910519735
3.067452198	4.061177315
3.744837986	4.133969339
4.097867363	4.136527802
4.371156326	4.17966761
4.646340312	4.207542459
4.888680184	4.213491328



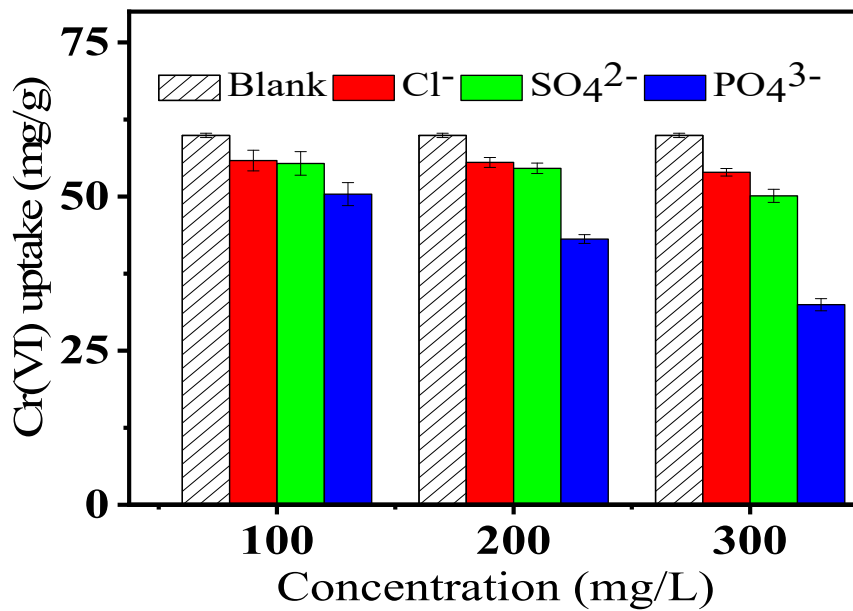
$1/T$	$\ln K_0$
0.003246753	1.66229
0.003355705	1.09604
0.003472222	0.6023



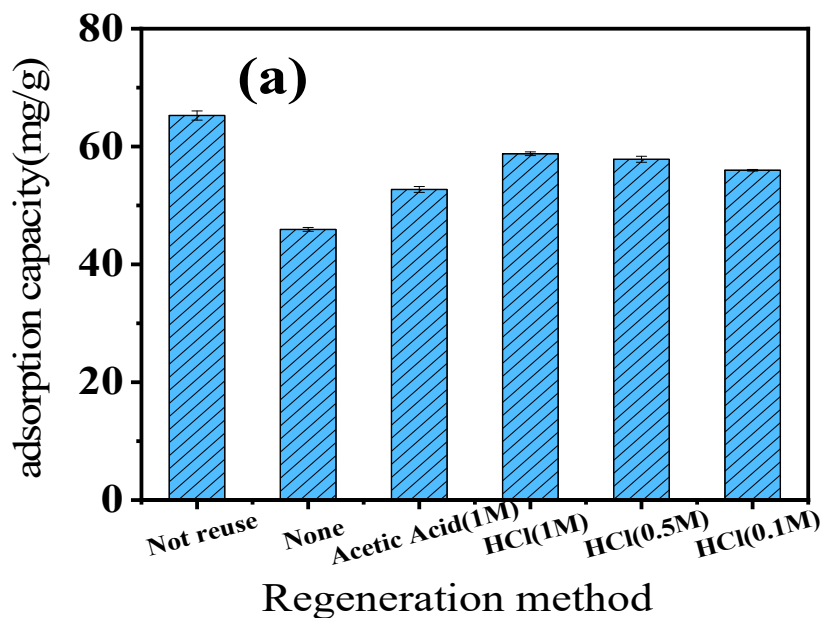
Concentration (mg/L)	Blank		Cl <sup>-</sup>	
	Cr(VI) uptake (mg/g)	(Er±)	Cr(VI) uptake (mg/g)	(Er±)
100	59.92	0.342393348	55.84	1.679838499
200	59.92	0.342393348	55.54	0.804823895
300	59.92	0.342393348	53.93	0.607228194

Concentration (mg/L)	Blank		SO <sub>4</sub> <sup>2-</sup>	
	Cr(VI) uptake (mg/g)	(Er±)	Cr(VI) uptake (mg/g)	(Er±)
100	59.92	0.342393348	55.37	1.905467631
200	59.92	0.342393348	54.58	0.845647367
300	59.92	0.342393348	50.12	1.062170745

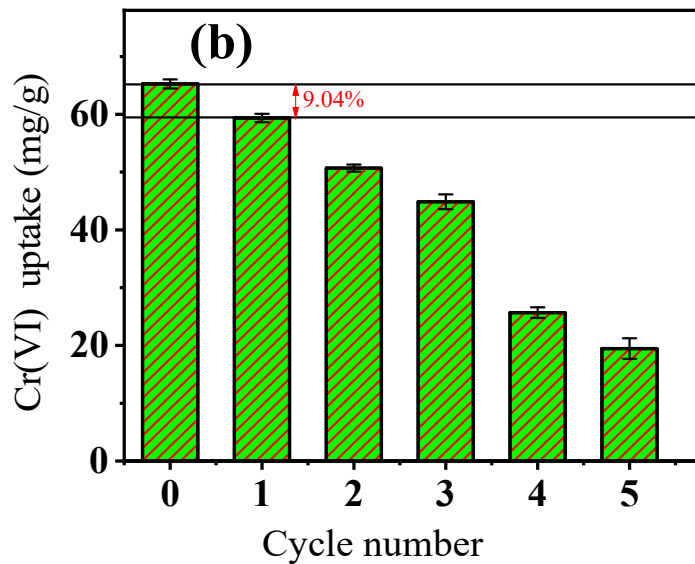
Concentration (mg/L)	Blank		PO <sub>4</sub> <sup>3-</sup>	
	Cr(VI) uptake (mg/g)	(Er±)	Cr(VI) uptake (mg/g)	(Er±)
100	59.92	0.342393348	50.39	1.863506958
200	59.92	0.342393348	43.1	0.712874807
300	59.92	0.342393348	32.46	0.979899105



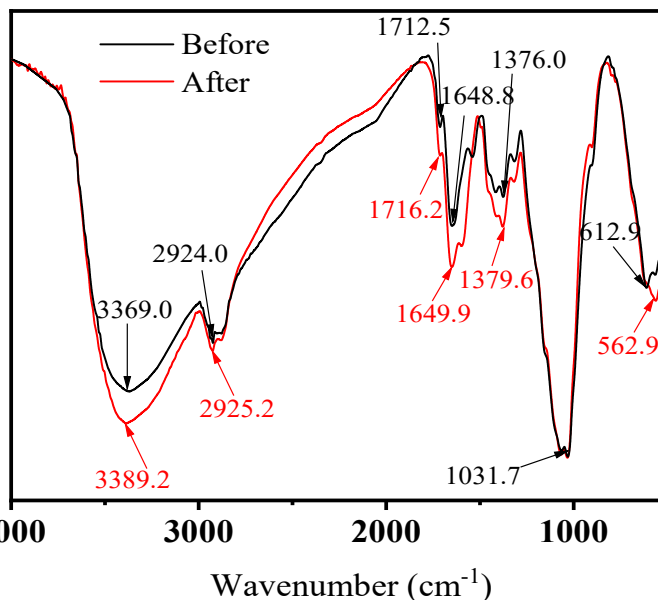
Regeneration method	adsorption capacity(mg/g)	(Er±)
Not reuse	65.26264031	0.779163231
None	45.93496331	0.32798201
Acetic Acid(1M)	52.71461218	0.507082006
HCl(1M)	58.77920127	0.321345061
HCl(0.5M)	57.8365523	0.51617963
HCl(0.1M)	55.96541499	0.13457983



Cycle number	Cr(VI) uptake (mg/g)	(Er±)
0	65.26264031	0.779163231
1	59.36191188	0.720250741
2	50.69264694	0.61704507
3	44.86371795	1.284335607
4	25.67931336	0.918965323
5	19.45713625	1.789160703



Wavenumber (cm-1)	After	Before
401.1211	83.83911	73.83492
401.6032	83.58231	73.64321
402.0854	83.32549	73.45151
402.5675	83.06796	73.25916
403.0496	82.81187	73.06809
403.5317	82.56153	72.88217
404.0138	82.30975	72.69497
404.4959	82.05437	72.50456
404.9781	81.78465	72.30126
405.4602	81.48045	72.06704
405.9423	81.16763	71.82511
406.4244	80.86414	71.59156
406.9065	80.57359	71.36958
407.3886	80.30038	71.16293
407.8708	80.06016	70.98595
408.3529	79.86082	70.84572
408.835	79.73018	70.76759
409.3171	79.71387	70.79312
409.7992	79.76636	70.88062
410.2813	79.86053	71.00527
410.7635	79.98674	71.15807
411.2456	80.12566	71.32102
411.7277	80.27924	71.4962
412.2098	80.44583	71.68209
412.6919	80.61697	71.87139
413.174	80.7844	72.05748
413.6562	80.94582	72.23686
414.1383	81.09665	72.40431
414.6204	81.23543	72.55843
415.1025	81.36451	72.70146
415.5846	81.46787	72.81722
416.0667	81.53721	72.89736
416.5489	81.5519	72.92053
417.031	81.47758	72.85095
417.5131	81.34722	72.7235
417.9952	81.18032	72.55887
418.4773	80.98296	72.36382
418.9594	80.76797	72.1524
419.4416	80.53455	71.92358
419.9237	80.28365	71.67854
420.4058	80.0228	71.42484
420.8879	79.76109	71.17111
421.37	79.49486	70.91534
421.8521	79.22334	70.65807
422.3343	78.94707	70.40016
422.8164	78.66444	70.13993
423.2985	78.38114	69.88541
423.7806	78.10048	69.64103
424.2627	77.82803	69.41586
424.7448	77.57298	69.22476
425.227	77.3279	69.05462
425.7091	77.08873	68.89785
426.1912	76.85486	68.75272
426.6733	76.62421	68.61487
427.1554	76.39712	68.48458



Wavenumber (cm-1)	After	Before
427.6375	76.17389	68.36185
428.1197	75.95251	68.24314
428.6018	75.72984	68.12347
429.0839	75.50959	68.00727
429.566	75.29428	67.89725
430.0481	75.08444	67.79369
430.5302	74.88083	67.69749
431.0124	74.68526	67.6096
431.4945	74.49861	67.53034
431.9766	74.32433	67.46251
432.4587	74.16795	67.41071
432.9408	74.02399	67.36976
433.4229	73.88916	67.33642
433.9051	73.7624	67.30924
434.3872	73.64151	67.28562
434.8693	73.52654	67.26583
435.3514	73.41727	67.24949
435.8335	73.31235	67.23589
436.3156	73.21019	67.22482
436.7978	73.11134	67.21448
437.2799	73.01585	67.2031
437.762	72.92355	67.19027
438.2441	72.83463	67.17613
438.7262	72.74806	67.1572
439.2083	72.66325	67.13166
439.6905	72.57925	67.09454
440.1726	72.49452	67.03762
440.6547	72.41013	66.96893
441.1368	72.32658	66.89323
441.6189	72.24394	66.81216
442.101	72.16252	66.7291
442.5832	72.08202	66.64359
443.0653	72.00225	66.55577
443.5474	71.92319	66.467
444.0295	71.84484	66.37847
444.5116	71.76704	66.29075
444.9937	71.68974	66.20471
445.4759	71.61272	66.12053
445.958	71.53569	66.03765
446.4401	71.45891	65.9591
446.9222	71.3824	65.88638
447.4043	71.30656	65.82352
447.8864	71.23225	65.77728
448.3686	71.1582	65.74086
448.8507	71.0836	65.71022
449.3328	71.00778	65.68381
449.8149	70.92966	65.65851
450.297	70.84977	65.63493
450.7791	70.76803	65.6129
451.2613	70.68504	65.59161
451.7434	70.60232	65.57072
452.2255	70.51712	65.54868
452.7076	70.42725	65.52394
453.1897	70.33256	65.49627
453.6718	70.23325	65.46619

Wavenumber (cm-1)	After	Before
454.154	70.12589	65.42993
454.6361	70.00887	65.38567
455.1182	69.87677	65.32808
455.6003	69.72037	65.2481
456.0824	69.5495	65.15506
456.5645	69.37012	65.05453
457.0467	69.18471	64.94868
457.5288	68.998	64.84174
458.0109	68.80933	64.73314
458.493	68.61919	64.62328
458.9751	68.42882	64.51353
459.4572	68.23871	64.40483
459.9394	68.05168	64.2989
460.4215	67.87051	64.19764
460.9036	67.69579	64.10148
461.3857	67.52699	64.00989
461.8678	67.37016	63.92754
462.3499	67.22828	63.85679
462.8321	67.10989	63.80409
463.3142	67.02921	63.78024
463.7963	66.97205	63.7745
464.2784	66.92995	63.7805
464.7606	66.89983	63.79595
465.2427	66.87554	63.81619
465.7248	66.8579	63.84187
466.2069	66.84645	63.87266
466.689	66.83885	63.90683
467.1711	66.83308	63.94289
467.6533	66.82771	63.97974
468.1354	66.82076	64.01592
468.6175	66.81178	64.0511
469.0996	66.80163	64.08596
469.5817	66.78447	64.11609
470.0638	66.75734	64.13925
470.546	66.7124	64.14954
471.0281	66.63647	64.13694
471.5102	66.54263	64.11143
471.9923	66.43864	64.0789
472.4744	66.32724	64.04153
472.9565	66.21399	64.0036
473.4387	66.09824	63.96454
473.9208	65.9804	63.92468
474.4029	65.86283	63.88563
474.885	65.74773	63.84881
475.3671	65.63587	63.81522
475.8492	65.52865	63.78626
476.3314	65.42644	63.76222
476.8135	65.32851	63.74248
477.2956	65.23959	63.73115
477.7777	65.16213	63.73029
478.2598	65.10229	63.74538
478.7419	65.07046	63.78567
479.2241	65.0565	63.84198
479.7062	65.05444	63.90888
480.1883	65.06227	63.98443



Wavenumber (cm-1)	After	Before
480.6704	65.07589	64.06477
481.1525	65.09566	64.15031
481.6346	65.12127	64.24071
482.1168	65.15062	64.33422
482.5989	65.18142	64.4291
483.081	65.21397	64.52504
483.5631	65.24792	64.62125
484.0452	65.28304	64.71746
484.5273	65.31982	64.81412
485.0095	65.35566	64.9082
485.4916	65.38912	64.9981
485.9737	65.41708	65.07995
486.4558	65.43431	65.14728
486.9379	65.44562	65.20627
487.42	65.45378	65.2605
487.9022	65.45972	65.31123
488.3843	65.46541	65.36115
488.8664	65.47033	65.40962
489.3485	65.47443	65.45663
489.8306	65.47827	65.50282
490.3127	65.48222	65.54847
490.7949	65.48677	65.5947
491.277	65.49255	65.64269
491.7591	65.49953	65.69244
492.2412	65.50717	65.74338
492.7233	65.51755	65.79862
493.2054	65.53157	65.85965
493.6876	65.55216	65.93093
494.1697	65.58434	66.02016
494.6518	65.62264	66.11914
495.1339	65.6638	66.22295
495.616	65.70629	66.32947
496.0981	65.74739	66.43469
496.5803	65.7876	66.53932
497.0624	65.82668	66.64298
497.5445	65.86423	66.74481
498.0266	65.90058	66.8448
498.5087	65.93332	66.94015
498.9908	65.96027	67.02817
499.473	65.98109	67.10841
499.9551	65.99616	67.18141
500.4372	66.00117	67.24157
500.9193	65.99405	67.28619
501.4014	65.96853	67.30727
501.8835	65.91406	67.29144
502.3657	65.84145	67.25228
502.8478	65.75716	67.19793
503.3299	65.66364	67.13141
503.812	65.5657	67.05858
504.2941	65.46279	66.97889
504.7762	65.35537	66.89292
505.2584	65.24523	66.8032
505.7405	65.13386	66.71205
506.2226	65.02268	66.62056
506.7047	64.9135	66.53037

Wavenumber (cm-1)	After	Before
507.1868	64.80676	66.44205
507.6689	64.70194	66.35495
508.1511	64.60381	66.27425
508.6332	64.51485	66.20264
509.1153	64.44151	66.14689
509.5974	64.39456	66.1182
510.0795	64.36349	66.10586
510.5616	64.34206	66.10359
511.0438	64.32812	66.10938
511.5259	64.31738	66.11901
512.008	64.31027	66.13293
512.4901	64.3065	66.1509
512.9722	64.304	66.17074
513.4543	64.30061	66.18998
513.9365	64.29633	66.20927
514.4186	64.29059	66.22843
514.9007	64.2831	66.24736
515.3828	64.27448	66.26669
515.8649	64.26161	66.28394
516.347	64.24288	66.29778
516.8292	64.21445	66.30531
517.3113	64.16989	66.30165
517.7934	64.11532	66.29141
518.2755	64.05437	66.27732
518.7576	63.98813	66.26022
519.2397	63.919	66.2419
519.7219	63.84679	66.22218
520.204	63.77166	66.20113
520.6861	63.695	66.17969
521.1682	63.61846	66.15893
521.6503	63.54136	66.13854
522.1324	63.46355	66.11851
522.6146	63.3851	66.09892
523.0967	63.30569	66.07943
523.5788	63.22639	66.06111
524.0609	63.1478	66.04447
524.543	63.07097	66.03071
525.0251	62.99763	66.02181
525.5073	62.92634	66.01586
525.9894	62.85628	66.01174
526.4715	62.78729	66.0091
526.9536	62.71891	66.00721
527.4357	62.65123	66.00611
527.9178	62.5843	66.00575
528.4	62.5178	66.00568
528.8821	62.4512	66.00535
529.3642	62.38504	66.00503
529.8463	62.31961	66.00475
530.3284	62.25501	66.00452
530.8105	62.19136	66.00441
531.2927	62.12878	66.00413
531.7748	62.06733	66.0035
532.2569	62.00726	66.00227
532.739	61.94897	66.00001
533.2211	61.89211	65.997

Wavenumber (cm-1)	After	Before
533.7032	61.83645	65.99346
534.1854	61.78198	65.98942
534.6675	61.72867	65.98503
535.1496	61.67636	65.98013
535.6317	61.62503	65.97468
536.1138	61.57435	65.96851
536.5959	61.52377	65.96143
537.0781	61.47393	65.95371
537.5602	61.42529	65.94557
538.0423	61.37785	65.93697
538.5244	61.33153	65.92779
539.0065	61.28696	65.91848
539.4886	61.24441	65.9092
539.9708	61.20492	65.9007
540.4529	61.17037	65.8943
540.935	61.13864	65.88844
541.4171	61.10844	65.88216
541.8992	61.07915	65.87496
542.3813	61.04961	65.86594
542.8635	61.02007	65.85532
543.3456	60.99042	65.84302
543.8277	60.96062	65.82903
544.3098	60.931	65.81378
544.7919	60.90026	65.79605
545.274	60.86727	65.77485
545.7562	60.83186	65.75002
546.2383	60.79418	65.72169
546.7204	60.75217	65.68807
547.2025	60.70481	65.64831
547.6846	60.64902	65.59972
548.1667	60.5796	65.5378
548.6489	60.50191	65.4672
549.131	60.41917	65.39076
549.6131	60.3326	65.30949
550.0952	60.24446	65.22536
550.5773	60.15468	65.13837
551.0594	60.06353	65.04881
551.5416	59.97215	64.95783
552.0237	59.88168	64.86674
552.5058	59.79233	64.77534
552.9879	59.70461	64.68381
553.47	59.61877	64.59239
553.9521	59.53466	64.501
554.4343	59.45405	64.41079
554.9164	59.3779	64.32243
555.3985	59.30843	64.23712
555.8806	59.24921	64.15678
556.3627	59.19707	64.08002
556.8448	59.15012	64.00609
557.327	59.10796	63.93502
557.8091	59.06952	63.86658
558.2912	59.03482	63.80075
558.7733	59.00385	63.73763
559.2554	58.97573	63.67663
559.7375	58.94921	63.61674

Wavenumber (cm-1)	After	Before
560.2197	58.92538	63.5594
560.7018	58.9049	63.50566
561.1839	58.88783	63.4557
561.666	58.87433	63.40964
562.1481	58.86468	63.36865
562.6302	58.85894	63.33329
563.1124	58.85783	63.30553
563.5945	58.86253	63.2886
564.0766	58.87166	63.27916
564.5587	58.88435	63.2752
565.0408	58.90024	63.27598
565.5229	58.91867	63.28011
566.0051	58.93962	63.28759
566.4872	58.96294	63.29821
566.9693	58.9883	63.31117
567.4514	59.01537	63.32553
567.9335	59.04398	63.34143
568.4156	59.0739	63.35877
568.8978	59.10499	63.37737
569.3799	59.13723	63.39731
569.862	59.17004	63.41778
570.3441	59.2031	63.4383
570.8262	59.2357	63.45803
571.3083	59.26675	63.47563
571.7905	59.29712	63.49208
572.2726	59.3273	63.5079
572.7547	59.35733	63.52309
573.2368	59.38741	63.53788
573.7189	59.41756	63.55221
574.201	59.44775	63.56595
574.6832	59.47831	63.57939
575.1653	59.50983	63.59297
575.6474	59.54158	63.60603
576.1295	59.57308	63.61809
576.6116	59.60426	63.62903
577.0938	59.63507	63.6387
577.5759	59.66499	63.64668
578.058	59.69378	63.65274
578.5401	59.72056	63.6562
579.0222	59.74381	63.65592
579.5043	59.76513	63.65294
579.9865	59.78547	63.64786
580.4686	59.80525	63.64088
580.9507	59.82523	63.63242
581.4328	59.84527	63.62238
581.9149	59.86543	63.61078
582.397	59.88586	63.59778
582.8792	59.90656	63.58353
583.3613	59.92807	63.56805
583.8434	59.95093	63.55139
584.3255	59.97522	63.53355
584.8076	60.00084	63.51443
585.2897	60.02889	63.49436
585.7719	60.0599	63.47349
586.254	60.09547	63.45223

Wavenumber (cm-1)	After	Before
586.7361	60.13828	63.43133
587.2182	60.18559	63.41002
587.7003	60.23576	63.38782
588.1824	60.28816	63.36453
588.6646	60.34164	63.33972
589.1467	60.39625	63.31354
589.6288	60.45188	63.28597
590.1109	60.50799	63.25707
590.593	60.56404	63.22704
591.0751	60.61989	63.19534
591.5573	60.67522	63.16151
592.0394	60.72992	63.12553
592.5215	60.78409	63.08748
593.0036	60.83674	63.04654
593.4857	60.88737	63.0023
593.9678	60.93471	62.95348
594.45	60.97671	62.8979
594.9321	61.01529	62.8379
595.4142	61.05155	62.7749
595.8963	61.08582	62.70942
596.3784	61.11879	62.64246
596.8605	61.15043	62.57409
597.3427	61.18076	62.50449
597.8248	61.21022	62.43429
598.3069	61.2394	62.36423
598.789	61.26795	62.29419
599.2711	61.29571	62.22421
599.7532	61.3227	62.15445
600.2354	61.34879	62.08492
600.7175	61.37417	62.01611
601.1996	61.39895	61.94837
601.6817	61.42326	61.88215
602.1638	61.44725	61.81814
602.6459	61.47085	61.75603
603.1281	61.494	61.69569
603.6102	61.51672	61.63722
604.0923	61.539	61.58061
604.5744	61.56086	61.52602
605.0565	61.58235	61.4736
605.5386	61.60345	61.42335
606.0208	61.62415	61.37521
606.5029	61.64452	61.32955
606.985	61.66464	61.28663
607.4671	61.68453	61.24662
607.9492	61.70423	61.20969
608.4313	61.72379	61.17608
608.9135	61.74326	61.14599
609.3956	61.76268	61.11974
609.8777	61.78217	61.09778
610.3598	61.8017	61.07993
610.8419	61.82123	61.06609
611.324	61.84077	61.05639
611.8062	61.86027	61.05093
612.2883	61.87984	61.04967
612.7704	61.89952	61.05267

Wavenumber (cm-1)	After	Before
613.2525	61.91946	61.05976
613.7346	61.9399	61.07051
614.2167	61.96056	61.08565
614.6989	61.98125	61.10577
615.181	62.002	61.13097
615.6631	62.0229	61.1613
616.1452	62.04359	61.1975
616.6273	62.06398	61.23995
617.1094	62.08348	61.28984
617.5916	62.1011	61.34918
618.0737	62.11802	61.41592
618.5558	62.13498	61.48885
619.0379	62.1523	61.56759
619.52	62.17052	61.65133
620.0021	62.1897	61.74001
620.4843	62.20999	61.8335
620.9664	62.23175	61.93117
621.4485	62.25534	62.03224
621.9306	62.2808	62.13711
622.4127	62.30824	62.246
622.8948	62.3378	62.35877
623.377	62.36951	62.47543
623.8591	62.40374	62.59591
624.3412	62.4407	62.72004
624.8233	62.48077	62.84794
625.3054	62.52445	62.97987
625.7875	62.57149	63.11523
626.2697	62.62177	63.25361
626.7518	62.67545	63.39476
627.2339	62.73265	63.53832
627.716	62.79325	63.68416
628.1981	62.85728	63.8321
628.6802	62.92439	63.98195
629.1624	62.99384	64.13352
629.6445	63.06676	64.28654
630.1266	63.14404	64.44074
630.6087	63.22576	64.59594
631.0908	63.31189	64.75202
631.5729	63.40366	64.90856
632.0551	63.50159	65.06528
632.5372	63.60762	65.22167
633.0193	63.72501	65.37698
633.5014	63.85029	65.53164
633.9835	63.98138	65.68588
634.4656	64.11745	65.83962
634.9478	64.25701	65.99288
635.4299	64.40006	66.14564
635.912	64.54638	66.29781
636.3941	64.6952	66.44961
636.8762	64.84572	66.60148
637.3583	64.99776	66.75268
637.8405	65.15101	66.90265
638.3226	65.30521	67.05128
638.8047	65.46043	67.19849
639.2868	65.6155	67.3436

Wavenumber (cm-1)	After	Before
639.7689	65.76978	67.48629
640.251	65.92182	67.6255
640.7332	66.06936	67.75947
641.2153	66.21432	67.88993
641.6974	66.3578	68.01794
642.1795	66.50002	68.14384
642.6616	66.6416	68.26836
643.1437	66.78245	68.39144
643.6259	66.92251	68.51314
644.108	67.06223	68.63381
644.5901	67.20231	68.75381
645.0722	67.34206	68.87316
645.5543	67.48109	68.99197
646.0364	67.61932	69.11032
646.5186	67.75656	69.2281
647.0007	67.89269	69.34584
647.4828	68.02763	69.46384
647.9649	68.16106	69.58275
648.447	68.29243	69.70368
648.9291	68.42225	69.82559
649.4113	68.55082	69.94789
649.8934	68.67825	70.0704
650.3755	68.80474	70.19269
650.8576	68.93027	70.31484
651.3397	69.05486	70.43684
651.8218	69.1786	70.55854
652.304	69.30164	70.67978
652.7861	69.4239	70.80055
653.2682	69.54543	70.92075
653.7503	69.66622	71.04042
654.2324	69.78623	71.15962
654.7145	69.90559	71.278
655.1967	70.02435	71.39542
655.6788	70.14265	71.51145
656.1609	70.2607	71.62528
656.6431	70.3783	71.73774
657.1251	70.49532	71.84931
657.6073	70.61176	71.96018
658.0894	70.72751	72.07079
658.5715	70.84261	72.18102
659.0536	70.95703	72.2909
659.5358	71.07076	72.40044
660.0178	71.18372	72.50958
660.5	71.29596	72.61868
660.9821	71.40747	72.72809
661.4642	71.51825	72.83785
661.9463	71.62832	72.94787
662.4285	71.73763	73.05885
662.9105	71.84617	73.17109
663.3927	71.9539	73.28559
663.8748	72.06075	73.40405
664.3569	72.16678	73.52469
664.839	72.27203	73.64643
665.3212	72.37653	73.76888
665.8032	72.48037	73.89124

Wavenumber (cm-1)	After	Before
666.2854	72.58347	74.01354
666.7675	72.68583	74.13568
667.2496	72.78734	74.25729
667.7317	72.88786	74.37801
668.2139	72.98763	74.49772
668.6959	73.0868	74.6162
669.1781	73.18537	74.73336
669.6602	73.28332	74.84925
670.1423	73.38091	74.96321
670.6244	73.47826	75.0749
671.1066	73.57582	75.1835
671.5886	73.6744	75.28768
672.0708	73.77312	75.38863
672.5529	73.87142	75.48703
673.035	73.96905	75.58305
673.5171	74.06548	75.67703
673.9993	74.1609	75.76901
674.4813	74.25524	75.85906
674.9635	74.34857	75.94758
675.4456	74.44115	76.03524
675.9277	74.53229	76.12139
676.4098	74.62141	76.20561
676.892	74.70845	76.28789
677.374	74.7935	76.36819
677.8562	74.87553	76.44613
678.3383	74.95406	76.52158
678.8204	75.02752	76.59381
679.3025	75.09322	76.66155
679.7847	75.15401	76.72624
680.2667	75.21156	76.7888
680.7489	75.26653	76.84958
681.231	75.32005	76.90921
681.7131	75.37221	76.9678
682.1952	75.4232	77.02552
682.6774	75.47379	77.08285
683.1594	75.52488	77.14034
683.6416	75.57626	77.19785
684.1237	75.62798	77.25541
684.6058	75.68017	77.31316
685.0879	75.73287	77.37118
685.5701	75.78662	77.42968
686.0521	75.8418	77.48888
686.5343	75.89892	77.54894
687.0164	75.95872	77.60997
687.4985	76.0209	77.67222
687.9806	76.08527	77.73585
688.4628	76.15205	77.80112
688.9448	76.22139	77.86839
689.427	76.2932	77.93758
689.9091	76.36759	78.00878
690.3912	76.44419	78.08178
690.8733	76.52225	78.156
691.3555	76.60309	78.2326
691.8375	76.68765	78.31249
692.3197	76.77612	78.39582



Wavenumber (cm-1)	After	Before
692.8018	76.86855	78.48261
693.2839	76.96623	78.5742
693.766	77.06981	78.67122
694.2482	77.18137	78.77573
694.7302	77.3044	78.89118
695.2124	77.4353	79.01405
695.6945	77.57193	79.14222
696.1766	77.71352	79.27496
696.6587	77.85857	79.41079
697.1409	78.00708	79.54973
697.6229	78.15883	79.69158
698.1051	78.31293	79.83547
698.5872	78.46838	79.98043
699.0693	78.62536	80.12666
699.5514	78.78378	80.27405
700.0336	78.94344	80.42244
700.5156	79.10443	80.57191
700.9978	79.26595	80.72165
701.4799	79.42745	80.87118
701.962	79.58813	81.01962
702.4441	79.74661	81.16566
702.9263	79.90388	81.31025
703.4083	80.06041	81.45396
703.8905	80.21617	81.59676
704.3726	80.37133	81.73882
704.8547	80.52586	81.88017
705.3368	80.67967	82.02075
705.819	80.83314	82.16096
706.301	80.98691	82.30149
706.7832	81.14002	82.44136
707.2653	81.29177	82.57986
707.7474	81.442	82.71687
708.2295	81.59062	82.85228
708.7117	81.73685	82.98531
709.1937	81.88033	83.11559
709.6759	82.01977	83.24178
710.158	82.15308	83.36168
710.6401	82.28236	83.47757
711.1222	82.40887	83.59081
711.6044	82.53308	83.70191
712.0864	82.65582	83.81185
712.5686	82.77706	83.92059
713.0507	82.89696	84.02823
713.5328	83.016	84.13523
714.0149	83.13482	84.24207
714.4971	83.25322	84.34886
714.9791	83.37123	84.45585
715.4613	83.4889	84.56313
715.9434	83.6062	84.67066
716.4255	83.72354	84.77918
716.9076	83.84116	84.88915
717.3898	83.95948	85.00158
717.8718	84.07912	85.1181
718.354	84.19964	85.2372
718.8361	84.32085	85.35803

Wavenumber (cm-1)	After	Before
719.3182	84.44277	85.48038
719.8003	84.56541	85.60374
720.2825	84.68872	85.7281
720.7645	84.81271	85.85345
721.2467	84.93713	85.97933
721.7288	85.0615	86.1051
722.2109	85.18652	86.23132
722.693	85.31274	86.3583
723.1752	85.44023	86.48605
723.6572	85.56899	86.61464
724.1394	85.69973	86.74423
724.6215	85.83273	86.87486
725.1036	85.96911	87.00691
725.5857	86.11069	87.14114
726.0679	86.25557	87.27667
726.5499	86.40254	87.41297
727.0321	86.55116	87.54979
727.5142	86.70059	87.68671
727.9963	86.85084	87.82373
728.4784	87.00179	87.96078
728.9606	87.15302	88.0977
729.4426	87.30409	88.23448
729.9248	87.45493	88.37076
730.4069	87.60532	88.50626
730.889	87.75514	88.64089
731.3711	87.90446	88.77465
731.8533	88.05259	88.90696
732.3353	88.19919	89.03751
732.8175	88.34344	89.16549
733.2996	88.48404	89.28958
733.7817	88.6221	89.41103
734.2638	88.7583	89.53056
734.746	88.89275	89.6484
735.228	89.0258	89.76505
735.7102	89.15746	89.88043
736.1923	89.28768	89.99457
736.6744	89.41679	90.10772
737.1565	89.54523	90.22016
737.6387	89.67256	90.33182
738.1207	89.79853	90.44269
738.6029	89.92307	90.55277
739.085	90.04614	90.662
739.5671	90.16759	90.77062
740.0492	90.28736	90.87882
740.5314	90.40515	90.98689
741.0134	90.52045	91.09538
741.4956	90.63381	91.20377
741.9777	90.74556	91.31175
742.4598	90.85583	91.41919
742.9419	90.9649	91.52587
743.4241	91.07272	91.63184
743.9061	91.17934	91.73708
744.3883	91.28483	91.84152
744.8704	91.38922	91.9451
745.3525	91.49268	92.04776

Wavenumber (cm-1)	After	Before
745.8346	91.59531	92.14942
746.3168	91.69718	92.25008
746.7988	91.79826	92.34978
747.281	91.89885	92.44828
747.7631	91.99913	92.54546
748.2452	92.09952	92.64104
748.7273	92.20074	92.73446
749.2095	92.30208	92.82627
749.6915	92.40312	92.91682
750.1737	92.50375	93.0062
750.6558	92.60363	93.09467
751.1379	92.70284	93.18222
751.62	92.80132	93.26887
752.1022	92.89894	93.35473
752.5842	92.99557	93.43989
753.0664	93.0912	93.52439
753.5485	93.18578	93.60832
754.0306	93.2793	93.69169
754.5127	93.37181	93.77448
754.9949	93.46307	93.85692
755.4769	93.55299	93.93911
755.9591	93.64128	94.02133
756.4412	93.72752	94.10403
756.9233	93.81215	94.18679
757.4054	93.89537	94.26934
757.8876	93.9773	94.35165
758.3696	94.05819	94.43358
758.8518	94.13789	94.51507
759.3339	94.21642	94.59609
759.816	94.2937	94.67644
760.2981	94.36957	94.7558
760.7803	94.44433	94.83449
761.2623	94.51826	94.91272
761.7445	94.59136	94.99049
762.2266	94.66354	95.06777
762.7087	94.73531	95.14478
763.1908	94.80686	95.22164
763.673	94.87897	95.29878
764.155	94.95299	95.37695
764.6372	95.02744	95.45526
765.1193	95.10141	95.53318
765.6014	95.17448	95.61038
766.0835	95.2458	95.6863
766.5657	95.31566	95.76116
767.0477	95.384	95.83495
767.5299	95.45091	95.90783
768.012	95.51685	95.98026
768.4941	95.58068	96.05127
768.9762	95.64142	96.11999
769.4584	95.69897	96.18636
769.9404	95.75352	96.25051
770.4226	95.80331	96.31104
770.9047	95.84755	96.36728
771.3868	95.88359	96.41705
771.8689	95.90692	96.45664

Wavenumber (cm-1)	After	Before
772.3511	95.92232	96.49
772.8331	95.93263	96.51952
773.3153	95.93907	96.54626
773.7974	95.94387	96.57212
774.2795	95.94673	96.59678
774.7616	95.94787	96.62042
775.2438	95.9479	96.6434
775.7258	95.94706	96.6657
776.208	95.94666	96.68875
776.6901	95.948	96.71387
777.1722	95.95133	96.74129
777.6543	95.95641	96.77076
778.1365	95.96605	96.80502
778.6185	95.98169	96.84542
779.1007	96.00735	96.89593
779.5828	96.04973	96.96324
780.0649	96.1021	97.04055
780.547	96.16049	97.1238
781.0292	96.22345	97.21145
781.5112	96.28812	97.30051
781.9934	96.3548	97.39134
782.4755	96.42324	97.48364
782.9576	96.49223	97.57631
783.4397	96.56059	97.66843
783.9219	96.62791	97.75912
784.4039	96.69346	97.84728
784.8861	96.757	97.93268
785.3682	96.81889	98.01565
785.8503	96.87669	98.09321
786.3324	96.92911	98.16386
786.8146	96.97298	98.2236
787.2966	97.00297	98.26573
787.7788	97.0242	98.29682
788.2609	97.03975	98.32078
788.743	97.05055	98.33888
789.2251	97.05853	98.35376
789.7073	97.06371	98.36527
790.1893	97.06625	98.37365
790.6715	97.06756	98.3804
791.1536	97.06934	98.38724
791.6357	97.07066	98.3937
792.1178	97.07111	98.39983
792.6	97.07077	98.40579
793.082	97.0695	98.41131
793.5642	97.06773	98.41781
794.0463	97.06578	98.42608
794.5284	97.06378	98.43762
795.0105	97.0618	98.45487
795.4927	97.06025	98.47583
795.9747	97.05942	98.49932
796.4569	97.05972	98.52518
796.939	97.06174	98.55291
797.4211	97.06527	98.58242
797.9032	97.07043	98.61369
798.3854	97.07684	98.64591

Wavenumber (cm-1)	After	Before
798.8674	97.08353	98.67774
799.3496	97.09235	98.71074
799.8317	97.10477	98.746
800.3138	97.12096	98.78359
800.7959	97.1409	98.8236
801.2781	97.16675	98.86718
801.7601	97.19954	98.9148
802.2423	97.24261	98.96851
802.7244	97.30163	99.03169
803.2065	97.37072	99.10059
803.6886	97.44637	99.173
804.1708	97.52722	99.24794
804.6528	97.61073	99.32368
805.135	97.69705	99.40029
805.6171	97.78586	99.47756
806.0992	97.87601	99.5548
806.5813	97.96635	99.6315
807.0635	98.05645	99.70693
807.5455	98.1456	99.78032
808.0277	98.23351	99.85139
808.5098	98.32037	99.92022
808.9919	98.404	99.98496
809.474	98.48322	100.04463
809.9562	98.55526	100.09673
810.4382	98.61555	100.13712
810.9204	98.66828	100.16969
811.4025	98.71589	100.19668
811.8846	98.75904	100.21876
812.3668	98.79928	100.2374
812.8489	98.83645	100.25247
813.331	98.87061	100.26405
813.8131	98.90268	100.27303
814.2952	98.93392	100.2805
814.7773	98.96355	100.2859
815.2595	98.99124	100.28901
815.7416	99.01696	100.28986
816.2237	99.04044	100.28823
816.7058	99.06209	100.28461
817.1879	99.08215	100.27931
817.67	99.10092	100.27277
818.1522	99.11886	100.26567
818.6343	99.13559	100.25749
819.1164	99.15095	100.24792
819.5985	99.16488	100.23692
820.0806	99.17729	100.22431
820.5627	99.18824	100.21018
821.0449	99.19778	100.19459
821.527	99.20588	100.17747
822.0091	99.21252	100.15875
822.4912	99.21776	100.13852
822.9733	99.22159	100.11686
823.4554	99.22406	100.09383
823.9376	99.22524	100.06954
824.4197	99.22505	100.0439
824.9018	99.22345	100.01692

Wavenumber (cm-1)	After	Before
825.3839	99.22033	99.98851
825.866	99.21539	99.95849
826.3481	99.20901	99.92716
826.8303	99.20145	99.89472
827.3124	99.19282	99.86128
827.7945	99.18333	99.82704
828.2766	99.173	99.79201
828.7587	99.16188	99.7562
829.2408	99.14999	99.71964
829.723	99.13734	99.68222
830.2051	99.12413	99.64426
830.6872	99.1106	99.60601
831.1693	99.09678	99.56756
831.6514	99.0827	99.52888
832.1335	99.0687	99.49042
832.6157	99.05496	99.45238
833.0978	99.04201	99.41538
833.5799	99.03069	99.3805
834.062	99.02018	99.34669
834.5441	99.01003	99.31333
835.0262	99.00009	99.28021
835.5084	98.99009	99.24696
835.9905	98.98002	99.21355
836.4726	98.96983	99.17994
836.9547	98.95928	99.14584
837.4368	98.94807	99.11091
837.9189	98.9364	99.07533
838.4011	98.92442	99.03912
838.8832	98.91211	99.0023
839.3653	98.89949	98.96488
839.8474	98.8866	98.92673
840.3295	98.87341	98.88777
840.8116	98.86008	98.84795
841.2938	98.84686	98.80721
841.7759	98.8334	98.7655
842.258	98.81946	98.72277
842.7401	98.80492	98.67896
843.2222	98.7896	98.634
843.7043	98.77348	98.58784
844.1865	98.7565	98.54044
844.6686	98.73857	98.49176
845.1507	98.71962	98.44178
845.6328	98.69955	98.3904
846.1149	98.67824	98.3375
846.597	98.65563	98.28307
847.0792	98.6317	98.22702
847.5613	98.60622	98.16926
848.0434	98.57909	98.1097
848.5255	98.55003	98.0482
849.0076	98.5186	97.98455
849.4897	98.48517	97.91885
849.9719	98.44989	97.85118
850.454	98.4128	97.7815
850.9361	98.37402	97.70982
851.4182	98.33349	97.63612

Wavenumber (cm-1)	After	Before
851.9003	98.29121	97.56037
852.3824	98.24725	97.48266
852.8646	98.20176	97.40308
853.3467	98.15456	97.32142
853.8288	98.10555	97.23753
854.3109	98.0547	97.15136
854.793	98.002	97.06291
855.2751	97.94733	96.97195
855.7573	97.89069	96.87842
856.2394	97.83195	96.78199
856.7215	97.7709	96.68218
857.2036	97.70776	96.57946
857.6857	97.64258	96.47413
858.1678	97.57542	96.3663
858.65	97.5064	96.25616
859.1321	97.43543	96.14369
859.6142	97.3625	96.02888
860.0963	97.28757	95.91185
860.5784	97.21049	95.79267
861.0605	97.13147	95.67136
861.5427	97.05066	95.54797
862.0248	96.96806	95.4225
862.5069	96.8836	95.29494
862.989	96.79756	95.16543
863.4711	96.71006	95.03407
863.9532	96.62154	94.90109
864.4354	96.53274	94.76684
864.9175	96.44283	94.63097
865.3996	96.35126	94.49326
865.8817	96.25783	94.35364
866.3638	96.16212	94.21194
866.8459	96.06414	94.06818
867.3281	95.96383	93.92238
867.8102	95.86103	93.77447
868.2923	95.75565	93.62441
868.7744	95.64749	93.47215
869.2565	95.53633	93.31764
869.7386	95.42208	93.16087
870.2208	95.30479	93.00185
870.7029	95.18395	92.84045
871.185	95.05934	92.67657
871.6671	94.9303	92.51
872.1492	94.79579	92.34036
872.6313	94.65681	92.16802
873.1135	94.51392	91.99326
873.5956	94.36726	91.81608
874.0777	94.21706	91.63656
874.5598	94.06348	91.45485
875.0419	93.90661	91.27101
875.524	93.74695	91.08536
876.0062	93.5853	90.89843
876.4883	93.42083	90.70966
876.9704	93.25299	90.51865
877.4525	93.08179	90.32543
877.9346	92.9073	90.13007

Wavenumber (cm-1)	After	Before
878.4167	92.72884	89.93204
878.8989	92.54617	89.73111
879.381	92.35811	89.52634
879.8631	92.16257	89.31602
880.3452	91.96198	89.10214
880.8273	91.75783	88.88592
881.3094	91.55077	88.66788
881.7916	91.34184	88.44885
882.2737	91.13125	88.22903
882.7558	90.91926	88.00863
883.2379	90.70657	87.78829
883.72	90.49406	87.56876
884.2021	90.28166	87.34992
884.6843	90.06953	87.13184
885.1664	89.85791	86.91471
885.6485	89.64692	86.69866
886.1306	89.43713	86.48401
886.6127	89.22898	86.2711
887.0948	89.023	86.06018
887.577	88.81998	85.85158
888.0591	88.61971	85.64548
888.5412	88.42214	85.44208
889.0233	88.22753	85.24169
889.5054	88.03602	85.04464
889.9875	87.84776	84.85099
890.4697	87.66298	84.66094
890.9518	87.48161	84.47443
891.4339	87.3034	84.29114
891.916	87.12917	84.11203
892.3981	86.9596	83.93789
892.8802	86.79493	83.76893
893.3624	86.63536	83.60531
893.8445	86.48167	83.44807
894.3266	86.33431	83.29779
894.8087	86.19444	83.15606
895.2908	86.06388	83.02544
895.7729	85.94112	82.90354
896.2551	85.82523	82.78895
896.7372	85.71617	82.68136
897.2193	85.61362	82.58006
897.7014	85.51733	82.48483
898.1835	85.42728	82.39555
898.6656	85.34261	82.31117
899.1478	85.26192	82.23013
899.6299	85.18687	82.15397
900.112	85.11865	82.08369
900.5941	85.05731	82.01927
901.0762	85.00279	81.96065
901.5583	84.95655	81.90887
902.0405	84.91917	81.86432
902.5226	84.89314	81.82893
903.0047	84.88268	81.80615
903.4868	84.88309	81.79195
903.9689	84.89143	81.78387
904.451	84.90653	81.78075



Wavenumber (cm-1)	After	Before
904.9332	84.92621	81.78068
905.4153	84.95044	81.78362
905.8974	84.97881	81.78918
906.3795	85.01027	81.79654
906.8616	85.0438	81.80504
907.3438	85.07887	81.81381
907.8259	85.11474	81.82184
908.308	85.15104	81.82877
908.7901	85.18775	81.83453
909.2722	85.22302	81.83705
909.7543	85.25575	81.83518
910.2365	85.28357	81.82616
910.7186	85.30269	81.80554
911.2007	85.31628	81.77725
911.6829	85.32617	81.74352
912.1649	85.3327	81.70492
912.6471	85.33688	81.66276
913.1292	85.33852	81.61691
913.6113	85.33757	81.56733
914.0934	85.33479	81.515
914.5756	85.33129	81.46126
915.0576	85.32594	81.40496
915.5398	85.31802	81.34548
916.0219	85.30736	81.28272
916.504	85.29366	81.21639
916.9861	85.27666	81.14642
917.4683	85.25621	81.0728
917.9503	85.23161	80.99512
918.4325	85.20178	80.91267
918.9146	85.16778	80.82626
919.3967	85.13023	80.73633
919.8788	85.08929	80.64311
920.361	85.04537	80.54694
920.843	84.99847	80.44784
921.3252	84.94865	80.34588
921.8073	84.89621	80.24123
922.2894	84.84159	80.13409
922.7715	84.7845	80.02451
923.2537	84.72478	79.91263
923.7357	84.66246	79.79851
924.2179	84.59753	79.68215
924.7	84.52995	79.56388
925.1821	84.45976	79.44386
925.6642	84.38681	79.32248
926.1464	84.31079	79.20035
926.6284	84.23215	79.07694
927.1106	84.15115	78.95201
927.5927	84.06796	78.82548
928.0748	83.98282	78.69717
928.5569	83.89574	78.56716
929.0391	83.80681	78.43549
929.5211	83.71613	78.30211
930.0033	83.62374	78.16694
930.4854	83.52985	78.03002
930.9675	83.43462	77.89137

Wavenumber (cm-1)	After	Before
931.4496	83.33813	77.75104
931.9318	83.24042	77.60908
932.4138	83.1418	77.46539
932.896	83.04245	77.31991
933.3781	82.9428	77.17246
933.8602	82.84351	77.02275
934.3423	82.74401	76.87116
934.8245	82.64398	76.71795
935.3065	82.54341	76.56327
935.7887	82.44215	76.40738
936.2708	82.34013	76.25021
936.7529	82.23737	76.09176
937.235	82.1336	75.932
937.7172	82.02836	75.77074
938.1992	81.92217	75.60841
938.6814	81.81541	75.4454
939.1635	81.70808	75.28173
939.6456	81.6002	75.11738
940.1277	81.49216	74.95295
940.6099	81.38416	74.78874
941.0919	81.2769	74.62568
941.5741	81.17163	74.46536
942.0562	81.06699	74.30614
942.5383	80.9621	74.14698
943.0204	80.85667	73.98753
943.5026	80.75005	73.82701
943.9846	80.64224	73.66551
944.4668	80.53311	73.50292
944.9489	80.42235	73.33892
945.431	80.30964	73.17326
945.9131	80.19487	73.00573
946.3953	80.07785	72.83607
946.8773	79.95848	72.66419
947.3595	79.83675	72.49017
947.8416	79.71217	72.31327
948.3237	79.58442	72.13315
948.8058	79.45291	71.94888
949.288	79.31665	71.75893
949.77	79.17641	71.56474
950.2522	79.03268	71.36714
950.7343	78.88553	71.16639
951.2164	78.73524	70.96304
951.6985	78.5817	70.75703
952.1807	78.42484	70.5484
952.6627	78.26475	70.33746
953.1449	78.10151	70.12463
953.627	77.93505	69.90972
954.1091	77.76537	69.69264
954.5912	77.59239	69.47341
955.0734	77.41602	69.25194
955.5554	77.2364	69.02843
956.0376	77.05363	68.80299
956.5197	76.86799	68.57581
957.0018	76.67999	68.34719
957.4839	76.48899	68.11688

Wavenumber (cm-1)	After	Before
957.9661	76.29454	67.88475
958.4481	76.09644	67.6508
958.9303	75.89429	67.41492
959.4124	75.68815	67.17717
959.8945	75.4779	66.93757
960.3766	75.26344	66.69611
960.8588	75.0447	66.4528
961.3408	74.82143	66.20761
961.823	74.59336	65.96055
962.3051	74.3604	65.71163
962.7872	74.12254	65.4609
963.2693	73.87929	65.20828
963.7515	73.63039	64.95372
964.2335	73.37518	64.69711
964.7157	73.11257	64.43818
965.1978	72.84355	64.17724
965.6799	72.56873	63.91449
966.162	72.28821	63.65004
966.6442	72.00227	63.38407
967.1262	71.71103	63.11654
967.6084	71.41452	62.84749
968.0905	71.11317	62.57694
968.5726	70.80766	62.30486
969.0547	70.49733	62.03142
969.5369	70.18171	61.75683
970.0189	69.86083	61.48111
970.5011	69.5347	61.20425
970.9832	69.20283	60.92656
971.4653	68.86507	60.64821
971.9474	68.52056	60.36964
972.4296	68.16779	60.09162
972.9116	67.80849	59.81337
973.3938	67.44378	59.53448
973.8759	67.07407	59.25475
974.358	66.70004	58.97374
974.8401	66.32198	58.69167
975.3223	65.94009	58.40853
975.8043	65.55512	58.12444
976.2865	65.16804	57.83968
976.7686	64.77831	57.55366
977.2507	64.38572	57.26589
977.7328	63.99044	56.97636
978.215	63.59263	56.6852
978.697	63.19215	56.3915
979.1792	62.7891	56.09486
979.6613	62.38295	55.79385
980.1434	61.97268	55.48607
980.6255	61.55992	55.17415
981.1077	61.14577	54.85974
981.5897	60.73087	54.54347
982.0719	60.31614	54.22651
982.554	59.90173	53.90891
983.0361	59.48795	53.59092
983.5182	59.07522	53.2732
984.0004	58.66379	52.95651

Wavenumber (cm-1)	After	Before
984.4824	58.25441	52.64086
984.9646	57.84781	52.32647
985.4467	57.44434	52.01355
985.9288	57.04415	51.7021
986.4109	56.64848	51.39288
986.8931	56.25806	51.08637
987.3751	55.87453	50.78342
987.8573	55.50046	50.4853
988.3394	55.13377	50.19115
988.8215	54.77325	49.90046
989.3036	54.41882	49.61334
989.7858	54.07004	49.32979
990.2678	53.72672	49.04963
990.75	53.38884	48.77289
991.2321	53.0554	48.49894
991.7142	52.7247	48.22657
992.1963	52.3988	47.95747
992.6785	52.07921	47.69291
993.1605	51.76602	47.433
993.6427	51.45927	47.17775
994.1248	51.16068	46.9288
994.6069	50.87098	46.68688
995.089	50.59313	46.45467
995.5712	50.33215	46.23673
996.0532	50.08255	46.02818
996.5354	49.84096	45.82607
997.0175	49.60606	45.62924
997.4996	49.37548	45.43554
997.9817	49.14908	45.24498
998.4639	48.92638	45.05722
998.9459	48.70597	44.87117
999.4281	48.4863	44.68571
999.9102	48.26733	44.50057
1000.392	48.04868	44.31522
1000.874	47.8299	44.12931
1001.357	47.61097	43.94291
1001.839	47.39037	43.75436
1002.321	47.16711	43.56269
1002.803	46.9395	43.36585
1003.285	46.70493	43.16051
1003.767	46.46517	42.94947
1004.249	46.2212	42.73435
1004.731	45.97275	42.51531
1005.214	45.71973	42.29294
1005.696	45.46262	42.0676
1006.178	45.2014	41.83933
1006.66	44.93755	41.60955
1007.142	44.67386	41.38059
1007.624	44.4064	41.1497
1008.106	44.13226	40.91499
1008.588	43.85118	40.67635
1009.07	43.56325	40.4338
1009.552	43.26458	40.1851
1010.035	42.95345	39.9293
1010.517	42.6235	39.66249

Wavenumber (cm-1)	After	Before
1010.999	42.26391	39.37795
1011.481	41.88632	39.08315
1011.963	41.49785	38.78265
1012.445	41.10132	38.47838
1012.927	40.70198	38.17383
1013.409	40.29969	37.86889
1013.892	39.89528	37.56413
1014.374	39.49113	37.26097
1014.856	39.08953	36.96053
1015.338	38.69171	36.66423
1015.82	38.29944	36.37367
1016.302	37.91349	36.08943
1016.784	37.53369	35.81142
1017.266	37.1647	35.54329
1017.749	36.80914	35.28705
1018.231	36.47301	35.04755
1018.713	36.16611	34.83282
1019.195	35.87973	34.63552
1019.677	35.60883	34.45137
1020.159	35.35221	34.27922
1020.641	35.1069	34.11642
1021.123	34.87312	33.96316
1021.605	34.65084	33.81937
1022.088	34.43781	33.68328
1022.57	34.23089	33.55257
1023.052	34.03271	33.42879
1023.534	33.84481	33.31271
1024.016	33.66735	33.20437
1024.498	33.50091	33.10421
1024.98	33.34578	33.01176
1025.462	33.20202	32.92671
1025.944	33.07091	32.84901
1026.427	32.95461	32.7786
1026.909	32.8506	32.71524
1027.391	32.75731	32.65873
1027.873	32.67408	32.60892
1028.355	32.59977	32.5657
1028.837	32.53424	32.52882
1029.319	32.47721	32.4981
1029.801	32.42796	32.47323
1030.284	32.38575	32.45379
1030.766	32.35047	32.43996
1031.248	32.32185	32.43184
1031.73	32.29963	32.42926
1032.212	32.2837	32.43201
1032.694	32.27331	32.44033
1033.176	32.26793	32.45419
1033.658	32.26672	32.47404
1034.141	32.26841	32.5008
1034.623	32.27373	32.53312
1035.105	32.28301	32.57007
1035.587	32.29623	32.61123
1036.069	32.31357	32.6559
1036.551	32.33467	32.70386
1037.033	32.35929	32.75484

Wavenumber (cm-1)	After	Before
1037.515	32.38727	32.80832
1037.997	32.41833	32.86376
1038.479	32.45249	32.92103
1038.962	32.48975	32.97992
1039.444	32.52988	33.04014
1039.926	32.57253	33.10151
1040.408	32.61803	33.16359
1040.89	32.66643	33.22601
1041.372	32.71832	33.28834
1041.854	32.77494	33.35003
1042.336	32.83447	33.41107
1042.819	32.89572	33.47139
1043.301	32.95798	33.53066
1043.783	33.02013	33.5885
1044.265	33.08223	33.64499
1044.747	33.14401	33.69995
1045.229	33.20538	33.75367
1045.711	33.26659	33.80689
1046.193	33.32617	33.85811
1046.676	33.38284	33.90613
1047.158	33.43628	33.95073
1047.64	33.48645	33.99183
1048.122	33.53123	34.02779
1048.604	33.56952	34.05781
1049.086	33.59819	34.07935
1049.568	33.61211	34.08823
1050.05	33.61626	34.08864
1050.532	33.61362	34.08309
1051.015	33.6051	34.07244
1051.497	33.59263	34.05837
1051.979	33.57618	34.04086
1052.461	33.55596	34.02013
1052.943	33.53324	33.99722
1053.425	33.50963	33.97334
1053.907	33.48433	33.94811
1054.389	33.45705	33.92153
1054.871	33.4279	33.89375
1055.354	33.39671	33.86465
1055.836	33.36404	33.83502
1056.318	33.33028	33.80535
1056.8	33.29576	33.77642
1057.282	33.26093	33.7494
1057.764	33.2258	33.72351
1058.246	33.19043	33.69835
1058.728	33.15503	33.67395
1059.211	33.1198	33.65019
1059.693	33.08487	33.62716
1060.175	33.05039	33.60498
1060.657	33.01637	33.58343
1061.139	32.98262	33.56211
1061.621	32.94983	33.54172
1062.103	32.91853	33.52277
1062.585	32.88894	33.50542
1063.068	32.86121	33.48982
1063.55	32.836	33.47649

Wavenumber (cm-1)	After	Before
1064.032	32.81374	33.46568
1064.514	32.79539	33.45821
1064.996	32.78255	33.45537
1065.478	32.77386	33.456
1065.96	32.76859	33.45942
1066.442	32.76658	33.46546
1066.924	32.76743	33.4737
1067.406	32.77117	33.48419
1067.889	32.77783	33.49691
1068.371	32.78706	33.5116
1068.853	32.79834	33.52789
1069.335	32.81219	33.54606
1069.817	32.82897	33.56621
1070.299	32.84873	33.58838
1070.781	32.87158	33.61264
1071.263	32.8977	33.63893
1071.746	32.92718	33.6672
1072.228	32.96043	33.69746
1072.71	32.99809	33.72971
1073.192	33.03949	33.76392
1073.674	33.08421	33.80006
1074.156	33.13213	33.83814
1074.638	33.183	33.87822
1075.12	33.23674	33.92016
1075.603	33.29328	33.96392
1076.085	33.35232	34.00931
1076.567	33.41341	34.056
1077.049	33.47691	34.10439
1077.531	33.54302	34.15475
1078.013	33.61171	34.20706
1078.495	33.68293	34.26124
1078.977	33.7569	34.31775
1079.459	33.83365	34.37676
1079.942	33.91365	34.43902
1080.424	33.99769	34.50584
1080.906	34.08475	34.5757
1081.388	34.17417	34.64767
1081.87	34.26564	34.72129
1082.352	34.35863	34.79579
1082.834	34.45312	34.87125
1083.316	34.54897	34.94753
1083.798	34.64599	35.02444
1084.281	34.74403	35.10194
1084.763	34.84276	35.17945
1085.245	34.94183	35.25639
1085.727	35.04112	35.33263
1086.209	35.14059	35.4082
1086.691	35.2396	35.48202
1087.173	35.3378	35.55352
1087.655	35.43431	35.62115
1088.138	35.52776	35.68235
1088.62	35.61935	35.73961
1089.102	35.7098	35.79443
1089.584	35.79924	35.84727
1090.066	35.88803	35.89908

Wavenumber (cm-1)	After	Before
1090.548	35.97622	35.94986
1091.03	36.06379	35.99971
1091.512	36.15115	36.04926
1091.995	36.23892	36.09931
1092.477	36.32647	36.14948
1092.959	36.41343	36.19964
1093.441	36.49976	36.24984
1093.923	36.5854	36.30002
1094.405	36.67005	36.35045
1094.887	36.75358	36.40137
1095.369	36.83537	36.45296
1095.851	36.91437	36.50554
1096.333	36.99174	36.55901
1096.816	37.06826	36.61339
1097.298	37.14419	36.66875
1097.78	37.22005	36.72514
1098.262	37.29591	36.78266
1098.744	37.37188	36.84139
1099.226	37.44831	36.90139
1099.708	37.5256	36.96264
1100.19	37.60369	37.02536
1100.673	37.68266	37.0897
1101.155	37.7626	37.15576
1101.637	37.84356	37.22365
1102.119	37.92582	37.29352
1102.601	38.00955	37.36551
1103.083	38.09503	37.43982
1103.565	38.18265	37.51671
1104.047	38.27226	37.5961
1104.53	38.36381	37.67795
1105.012	38.4574	37.76232
1105.494	38.55313	37.84934
1105.976	38.65098	37.93892
1106.458	38.75101	38.03112
1106.94	38.85308	38.12576
1107.422	38.95683	38.22246
1107.904	39.06291	38.32184
1108.386	39.1718	38.42439
1108.869	39.28361	38.53017
1109.351	39.39837	38.63919
1109.833	39.51673	38.75212
1110.315	39.63901	38.86926
1110.797	39.76624	38.99168
1111.279	39.90009	39.12115
1111.761	40.03889	39.25582
1112.243	40.18159	39.39456
1112.725	40.32786	39.53696
1113.208	40.47703	39.68225
1113.69	40.62907	39.8304
1114.172	40.7839	39.98129
1114.654	40.94106	40.13447
1115.136	41.1	40.28942
1115.618	41.26094	40.4462
1116.1	41.42393	40.60473
1116.582	41.5889	40.76492



Wavenumber (cm-1)	After	Before
1117.065	41.75589	40.92677
1117.547	41.92465	41.08984
1118.029	42.09502	41.25385
1118.511	42.26683	41.41831
1118.993	42.43981	41.58246
1119.475	42.61402	41.74684
1119.957	42.78944	41.91173
1120.439	42.96602	42.07716
1120.922	43.14375	42.24328
1121.404	43.32246	42.40995
1121.886	43.50206	42.57711
1122.368	43.6824	42.74476
1122.85	43.86327	42.91293
1123.332	44.04476	43.08152
1123.814	44.2269	43.25048
1124.296	44.40959	43.4197
1124.778	44.59269	43.58905
1125.26	44.77634	43.75862
1125.743	44.96055	43.9284
1126.225	45.1456	44.09853
1126.707	45.33205	44.26932
1127.189	45.51907	44.44026
1127.671	45.70611	44.61103
1128.153	45.89289	44.78147
1128.635	46.07902	44.95137
1129.117	46.26435	45.12055
1129.6	46.44869	45.2889
1130.082	46.63173	45.45614
1130.564	46.81305	45.62188
1131.046	46.99266	45.78628
1131.528	47.17048	45.94941
1132.01	47.34635	46.11116
1132.492	47.52014	46.27141
1132.974	47.69166	46.43024
1133.457	47.86074	46.58762
1133.939	48.02725	46.74379
1134.421	48.1911	46.89928
1134.903	48.35201	47.05324
1135.385	48.50977	47.20513
1135.867	48.66409	47.35457
1136.349	48.81456	47.50091
1136.831	48.96132	47.64432
1137.313	49.10427	47.78469
1137.796	49.24369	47.92216
1138.278	49.38025	48.05725
1138.76	49.51263	48.18873
1139.242	49.6398	48.31559
1139.724	49.76159	48.43767
1140.206	49.87801	48.55503
1140.688	49.98752	48.66604
1141.17	50.0894	48.76994
1141.652	50.18123	48.86428
1142.135	50.25899	48.94492
1142.617	50.32684	49.01612
1143.099	50.38733	49.08043

Wavenumber (cm-1)	After	Before
1143.581	50.4413	49.13872
1144.063	50.49038	49.19267
1144.545	50.53476	49.24241
1145.027	50.57477	49.28825
1145.509	50.61167	49.33141
1145.992	50.64712	49.37344
1146.474	50.68031	49.41368
1146.956	50.71094	49.45187
1147.438	50.73922	49.48826
1147.92	50.76521	49.52284
1148.402	50.78916	49.55603
1148.884	50.81138	49.5882
1149.366	50.83174	49.61948
1149.849	50.84983	49.64992
1150.331	50.86682	49.68014
1150.813	50.88351	49.71063
1151.295	50.90052	49.74186
1151.777	50.91869	49.77441
1152.259	50.93811	49.80837
1152.741	50.95913	49.84405
1153.223	50.98189	49.88149
1153.705	51.00622	49.92046
1154.188	51.03341	49.96211
1154.67	51.06458	50.0074
1155.152	51.10009	50.05665
1155.634	51.14013	50.11005
1156.116	51.18638	50.16895
1156.598	51.23976	50.23412
1157.08	51.30269	50.30755
1157.562	51.37905	50.39242
1158.044	51.46533	50.48587
1158.527	51.55948	50.58623
1159.009	51.66103	50.69312
1159.491	51.76882	50.8056
1159.973	51.88281	50.92365
1160.455	52.00293	51.04721
1160.937	52.12805	51.1754
1161.419	52.25657	51.30692
1161.901	52.38994	51.44294
1162.384	52.52908	51.5842
1162.866	52.674	51.73074
1163.348	52.82484	51.88267
1163.83	52.98219	52.04047
1164.312	53.14626	52.20429
1164.794	53.31834	52.37518
1165.276	53.50071	52.55492
1165.758	53.69071	52.74144
1166.24	53.88667	52.93342
1166.723	54.08791	53.13033
1167.205	54.29318	53.33125
1167.687	54.50238	53.53603
1168.169	54.71519	53.74444
1168.651	54.9309	53.95586
1169.133	55.14876	54.16959
1169.615	55.36858	54.38564

Wavenumber (cm-1)	After	Before
1170.097	55.59005	54.60387
1170.579	55.81287	54.82405
1171.062	56.03695	55.04609
1171.544	56.26141	55.26946
1172.026	56.48568	55.49379
1172.508	56.70874	55.71853
1172.99	56.92904	55.94293
1173.472	57.1476	56.16728
1173.954	57.36491	56.39166
1174.436	57.58093	56.61593
1174.919	57.79586	56.84005
1175.401	58.00951	57.0638
1175.883	58.22172	57.287
1176.365	58.43265	57.50956
1176.847	58.64268	57.7315
1177.329	58.85108	57.95241
1177.811	59.05733	58.17201
1178.293	59.26122	58.39007
1178.776	59.46249	58.60635
1179.258	59.66074	58.82063
1179.74	59.85567	59.03265
1180.222	60.04662	59.2421
1180.704	60.23254	59.44856
1181.186	60.41421	59.65207
1181.668	60.59205	59.85261
1182.15	60.76604	60.04996
1182.632	60.93628	60.24384
1183.115	61.10284	60.43435
1183.597	61.2657	60.6214
1184.079	61.42524	60.80529
1184.561	61.58215	60.98667
1185.043	61.7355	61.16434
1185.525	61.8846	61.33733
1186.007	62.02937	61.50549
1186.489	62.16977	61.66879
1186.971	62.305	61.82592
1187.454	62.43468	61.97621
1187.936	62.55744	62.11758
1188.418	62.67098	62.2465
1188.9	62.77775	62.36659
1189.382	62.87924	62.48005
1189.864	62.976	62.58764
1190.346	63.06902	62.69083
1190.828	63.15842	62.78967
1191.311	63.24437	62.88439
1191.793	63.32758	62.97593
1192.275	63.40888	63.06537
1192.757	63.48804	63.15245
1193.239	63.56504	63.23718
1193.721	63.64005	63.31973
1194.203	63.71309	63.40007
1194.685	63.78455	63.47889
1195.167	63.85475	63.55665
1195.65	63.92401	63.63402
1196.132	63.99274	63.712

Wavenumber (cm-1)	After	Before
1196.614	64.06094	63.79003
1197.096	64.12867	63.86786
1197.578	64.19614	63.94558
1198.06	64.26358	64.02322
1198.542	64.33102	64.10085
1199.024	64.39857	64.17859
1199.506	64.46609	64.25628
1199.989	64.53315	64.33347
1200.471	64.6007	64.411
1200.953	64.66951	64.4895
1201.435	64.73975	64.56916
1201.917	64.81152	64.65013
1202.399	64.88581	64.73312
1202.881	64.96318	64.81851
1203.363	65.04517	64.90743
1203.846	65.13438	65.00168
1204.328	65.2283	65.0996
1204.81	65.32542	65.20017
1205.292	65.42525	65.30317
1205.774	65.52688	65.40801
1206.256	65.63025	65.51467
1206.738	65.73526	65.62311
1207.22	65.84123	65.73281
1207.703	65.94725	65.8431
1208.185	66.05382	65.95451
1208.667	66.16116	66.06738
1209.149	66.26921	66.18169
1209.631	66.37802	66.29749
1210.113	66.48744	66.41493
1210.595	66.59731	66.53401
1211.077	66.70765	66.65513
1211.559	66.81857	66.77893
1212.042	66.92969	66.90457
1212.524	67.04072	67.03153
1213.006	67.15142	67.15953
1213.488	67.26144	67.28811
1213.97	67.37083	67.41728
1214.452	67.47946	67.54697
1214.934	67.58743	67.67703
1215.416	67.69503	67.80746
1215.898	67.80148	67.93785
1216.381	67.90614	68.06785
1216.863	68.00889	68.19734
1217.345	68.10967	68.3263
1217.827	68.20755	68.45409
1218.309	68.30203	68.58032
1218.791	68.39165	68.70405
1219.273	68.47399	68.82371
1219.755	68.55147	68.94077
1220.238	68.62552	69.05614
1220.72	68.6966	69.17006
1221.202	68.76569	69.28306
1221.684	68.83277	69.39513
1222.166	68.89799	69.50636
1222.648	68.96198	69.61715

Wavenumber (cm-1)	After	Before
1223.13	69.02555	69.72807
1223.612	69.08833	69.83874
1224.094	69.15021	69.94894
1224.577	69.2113	70.05872
1225.059	69.27151	70.168
1225.541	69.33116	70.27678
1226.023	69.39047	70.3851
1226.505	69.44963	70.49281
1226.987	69.50888	70.59957
1227.469	69.56826	70.70588
1227.951	69.6278	70.81203
1228.434	69.68767	70.91819
1228.916	69.74798	71.02464
1229.398	69.8088	71.13139
1229.88	69.87022	71.23852
1230.362	69.93224	71.34612
1230.844	69.99467	71.45422
1231.326	70.05804	71.56308
1231.808	70.12267	71.67292
1232.291	70.18869	71.78383
1232.773	70.25622	71.89584
1233.255	70.32571	72.00936
1233.737	70.39745	72.12462
1234.219	70.47213	72.24217
1234.701	70.55093	72.36289
1235.183	70.63283	72.486
1235.665	70.7172	72.61105
1236.147	70.80392	72.73789
1236.63	70.89259	72.86625
1237.112	70.98327	72.99619
1237.594	71.07596	73.12769
1238.076	71.17046	73.26061
1238.558	71.26643	73.39472
1239.04	71.36412	73.53016
1239.522	71.46359	73.66701
1240.004	71.5649	73.80529
1240.486	71.66811	73.94508
1240.969	71.77311	74.08626
1241.451	71.87987	74.22881
1241.933	71.98834	74.3727
1242.415	72.09841	74.51779
1242.897	72.21019	74.6642
1243.379	72.32374	74.81201
1243.861	72.43906	74.96126
1244.343	72.55624	75.11199
1244.826	72.67522	75.26419
1245.308	72.79604	75.41789
1245.79	72.91864	75.57307
1246.272	73.04301	75.72971
1246.754	73.16921	75.88789
1247.236	73.29732	76.04766
1247.718	73.42733	76.20901
1248.2	73.55923	76.37193
1248.682	73.69315	76.53654
1249.165	73.82912	76.70287

Wavenumber (cm-1)	After	Before
1249.647	73.96735	76.87107
1250.129	74.10816	77.04141
1250.611	74.25121	77.21359
1251.093	74.39624	77.38748
1251.575	74.5432	77.56303
1252.057	74.69194	77.7402
1252.539	74.84242	77.91889
1253.021	74.99459	78.09906
1253.504	75.14828	78.2805
1253.986	75.30328	78.46288
1254.468	75.45973	78.64655
1254.95	75.61773	78.83175
1255.432	75.77725	79.01845
1255.914	75.93826	79.20659
1256.396	76.10082	79.3965
1256.878	76.26497	79.5883
1257.361	76.43088	79.78257
1257.843	76.59891	79.98029
1258.325	76.76859	80.18027
1258.807	76.93959	80.38178
1259.289	77.11177	80.58453
1259.771	77.28497	80.78806
1260.253	77.45901	80.99219
1260.735	77.63382	81.19677
1261.218	77.80907	81.40135
1261.7	77.98436	81.60536
1262.182	78.15995	81.80901
1262.664	78.33601	82.01241
1263.146	78.51248	82.21542
1263.628	78.68922	82.41792
1264.11	78.86647	82.61993
1264.592	79.04426	82.82131
1265.074	79.22303	83.0222
1265.557	79.40364	83.22299
1266.039	79.58492	83.4229
1266.521	79.76613	83.62144
1267.003	79.94692	83.81831
1267.485	80.12676	84.01309
1267.967	80.30546	84.20559
1268.449	80.4828	84.39559
1268.931	80.65836	84.58274
1269.413	80.83157	84.76667
1269.896	81.00249	84.94727
1270.378	81.17107	85.12438
1270.86	81.33711	85.29781
1271.342	81.50047	85.46733
1271.824	81.66097	85.63273
1272.306	81.81837	85.79375
1272.788	81.97256	85.95017
1273.27	82.12353	86.10176
1273.753	82.27085	86.2483
1274.235	82.4142	86.3896
1274.717	82.55324	86.52535
1275.199	82.68753	86.65518
1275.681	82.81705	86.77912

Wavenumber (cm-1)	After	Before
1276.163	82.94167	86.89703
1276.645	83.06143	87.00909
1277.127	83.1767	87.11583
1277.609	83.28643	87.21605
1278.092	83.38979	87.30882
1278.574	83.48656	87.39391
1279.056	83.57664	87.4713
1279.538	83.65883	87.5396
1280.02	83.73248	87.59814
1280.502	83.79573	87.64488
1280.984	83.84557	87.67635
1281.466	83.8849	87.69596
1281.948	83.91548	87.7058
1282.431	83.93781	87.70649
1282.913	83.95296	87.69933
1283.395	83.96101	87.68441
1283.877	83.96207	87.66196
1284.359	83.95706	87.63299
1284.841	83.94717	87.59888
1285.323	83.93158	87.55882
1285.805	83.90984	87.51243
1286.288	83.88201	87.45984
1286.77	83.84806	87.40102
1287.252	83.80791	87.33606
1287.734	83.7616	87.2651
1288.216	83.70867	87.18784
1288.698	83.64824	87.10365
1289.18	83.58158	87.0137
1289.662	83.50954	86.91875
1290.145	83.43256	86.81928
1290.627	83.35124	86.71595
1291.109	83.26582	86.60896
1291.591	83.1765	86.4986
1292.073	83.08376	86.38528
1292.555	82.98811	86.26939
1293.037	82.88965	86.15126
1293.519	82.7886	86.03131
1294.001	82.68521	85.90983
1294.484	82.57965	85.78701
1294.966	82.47235	85.66351
1295.448	82.36365	85.53976
1295.93	82.25399	85.41654
1296.412	82.144	85.29497
1296.894	82.03355	85.17444
1297.376	81.92265	85.0547
1297.858	81.81152	84.93591
1298.34	81.70036	84.81806
1298.823	81.58927	84.70128
1299.305	81.47842	84.58572
1299.787	81.36779	84.47123
1300.269	81.25712	84.35735
1300.751	81.14718	84.24501
1301.233	81.03859	84.1349
1301.715	80.93159	84.02723
1302.197	80.82633	83.9222

Wavenumber (cm-1)	After	Before
1302.68	80.72357	83.82059
1303.162	80.62374	83.72283
1303.644	80.52797	83.63012
1304.126	80.43805	83.54441
1304.608	80.35243	83.46395
1305.09	80.27022	83.38773
1305.572	80.19121	83.31548
1306.054	80.11489	83.24659
1306.536	80.04133	83.18112
1307.019	79.97054	83.11907
1307.501	79.90219	83.06004
1307.983	79.83574	83.0035
1308.465	79.77164	82.94983
1308.947	79.71015	82.89921
1309.429	79.65134	82.85167
1309.911	79.59532	82.80734
1310.393	79.54211	82.76608
1310.875	79.49171	82.72781
1311.358	79.44429	82.69253
1311.84	79.40007	82.66015
1312.322	79.3588	82.63072
1312.804	79.32037	82.60423
1313.286	79.28473	82.58073
1313.768	79.25184	82.56027
1314.25	79.22161	82.54273
1314.732	79.19405	82.52809
1315.215	79.16895	82.51618
1315.697	79.14607	82.50671
1316.179	79.12566	82.50005
1316.661	79.10795	82.49643
1317.143	79.0929	82.49584
1317.625	79.08047	82.49821
1318.107	79.07094	82.50393
1318.589	79.06438	82.5132
1319.072	79.06125	82.52669
1319.554	79.06234	82.54562
1320.036	79.06673	82.5686
1320.518	79.07381	82.59473
1321	79.08337	82.62368
1321.482	79.09506	82.65483
1321.964	79.10872	82.68807
1322.446	79.12422	82.72324
1322.928	79.14116	82.75987
1323.411	79.159	82.79739
1323.893	79.17803	82.83595
1324.375	79.19841	82.87553
1324.857	79.22002	82.91599
1325.339	79.24278	82.95726
1325.821	79.26678	82.99913
1326.303	79.29198	83.04139
1326.785	79.31874	83.08392
1327.267	79.34767	83.12664
1327.75	79.37779	83.16927
1328.232	79.40845	83.2116
1328.714	79.43929	83.25341



Wavenumber (cm-1)	After	Before
1329.196	79.46976	83.29444
1329.678	79.49977	83.33459
1330.16	79.52913	83.37367
1330.642	79.55756	83.41159
1331.124	79.58482	83.44828
1331.607	79.6106	83.48339
1332.089	79.63454	83.51657
1332.571	79.65643	83.54763
1333.053	79.67617	83.57644
1333.535	79.69317	83.60255
1334.017	79.70705	83.62566
1334.499	79.71703	83.64519
1334.981	79.72194	83.6602
1335.464	79.72264	83.67136
1335.946	79.7196	83.67899
1336.428	79.71281	83.68308
1336.91	79.70243	83.68373
1337.392	79.68848	83.68092
1337.874	79.67086	83.67457
1338.356	79.64987	83.66489
1338.838	79.62605	83.65225
1339.32	79.59863	83.63609
1339.802	79.5671	83.61598
1340.285	79.53133	83.59183
1340.767	79.49121	83.56353
1341.249	79.44621	83.53065
1341.731	79.39605	83.49297
1342.213	79.33981	83.44979
1342.695	79.27595	83.39993
1343.177	79.206	83.34452
1343.659	79.13089	83.28425
1344.142	79.0509	83.21929
1344.624	78.96657	83.14999
1345.106	78.87799	83.07649
1345.588	78.78529	82.99885
1346.07	78.68899	82.91759
1346.552	78.58984	82.83347
1347.034	78.4873	82.7458
1347.516	78.3811	82.65413
1347.999	78.2713	82.5585
1348.481	78.15794	82.45899
1348.963	78.04082	82.35508
1349.445	77.91998	82.24666
1349.927	77.79494	82.13286
1350.409	77.6649	82.0121
1350.891	77.53099	81.88625
1351.373	77.39395	81.75652
1351.855	77.25415	81.62344
1352.338	77.11214	81.48791
1352.82	76.96809	81.34999
1353.302	76.82216	81.20993
1353.784	76.67475	81.06822
1354.266	76.52625	80.92535
1354.748	76.3768	80.78155
1355.23	76.22659	80.63716

Wavenumber (cm-1)	After	Before
1355.712	76.07581	80.49239
1356.194	75.92457	80.34732
1356.677	75.77328	80.20271
1357.159	75.62226	80.05904
1357.641	75.47194	79.91723
1358.123	75.32295	79.77873
1358.605	75.17506	79.64248
1359.087	75.02818	79.50793
1359.569	74.88243	79.37501
1360.051	74.73787	79.2434
1360.534	74.59461	79.11332
1361.016	74.45283	78.9849
1361.498	74.31245	78.85809
1361.98	74.17336	78.73276
1362.462	74.03606	78.60914
1362.944	73.90092	78.48735
1363.426	73.76814	78.36756
1363.908	73.63785	78.24999
1364.391	73.5105	78.13451
1364.873	73.38634	78.0211
1365.355	73.26598	77.90958
1365.837	73.15043	77.79946
1366.319	73.03892	77.69153
1366.801	72.93105	77.58628
1367.283	72.82674	77.48406
1367.765	72.72578	77.38536
1368.247	72.62828	77.29016
1368.729	72.53429	77.19858
1369.212	72.4437	77.11065
1369.694	72.35629	77.02617
1370.176	72.27235	76.94592
1370.658	72.19199	76.87055
1371.14	72.11532	76.80021
1371.622	72.04245	76.73493
1372.104	71.97341	76.67576
1372.586	71.90823	76.62324
1373.069	71.847	76.57893
1373.551	71.78976	76.54539
1374.033	71.73655	76.52012
1374.515	71.68742	76.50161
1374.997	71.64246	76.48946
1375.479	71.60188	76.48279
1375.961	71.56552	76.48145
1376.443	71.53336	76.48528
1376.926	71.50512	76.49339
1377.408	71.48027	76.50446
1377.89	71.45965	76.51954
1378.372	71.44386	76.53921
1378.854	71.43295	76.56339
1379.336	71.42683	76.59206
1379.818	71.4265	76.62565
1380.3	71.43231	76.66426
1380.782	71.44583	76.70889
1381.265	71.46966	76.76134
1381.747	71.50095	76.8193

Wavenumber (cm-1)	After	Before
1382.229	71.53795	76.8813
1382.711	71.58	76.94661
1383.193	71.62592	77.01405
1383.675	71.67555	77.08354
1384.157	71.72867	77.1548
1384.639	71.78447	77.22733
1385.121	71.842	77.30077
1385.604	71.90142	77.37442
1386.086	71.96268	77.44753
1386.568	72.02555	77.51979
1387.05	72.09	77.59112
1387.532	72.15544	77.66009
1388.014	72.22148	77.72591
1388.496	72.2876	77.78671
1388.978	72.35305	77.83944
1389.461	72.41807	77.88672
1389.943	72.48269	77.93005
1390.425	72.54668	77.96974
1390.907	72.60982	78.00664
1391.389	72.67211	78.04067
1391.871	72.7334	78.07182
1392.353	72.79391	78.10076
1392.835	72.85428	78.12851
1393.318	72.91328	78.15411
1393.8	72.96992	78.17695
1394.282	73.02402	78.19697
1394.764	73.07544	78.21395
1395.246	73.12294	78.22764
1395.728	73.16586	78.23792
1396.21	73.20226	78.24415
1396.692	73.2289	78.24526
1397.174	73.24895	78.24239
1397.656	73.26433	78.23625
1398.139	73.27563	78.22707
1398.621	73.2841	78.21532
1399.103	73.28973	78.20107
1399.585	73.29269	78.18446
1400.067	73.29378	78.16593
1400.549	73.29401	78.14609
1401.031	73.29295	78.12454
1401.513	73.29044	78.10113
1401.996	73.28658	78.07591
1402.478	73.28128	78.04896
1402.96	73.27496	78.02017
1403.442	73.26791	77.98955
1403.924	73.26041	77.95677
1404.406	73.2529	77.92114
1404.888	73.24528	77.88368
1405.37	73.23751	77.84502
1405.853	73.22973	77.8055
1406.335	73.22198	77.76568
1406.817	73.21443	77.72561
1407.299	73.20717	77.68548
1407.781	73.20021	77.64551
1408.263	73.19352	77.60583

Wavenumber (cm-1)	After	Before
1408.745	73.18742	77.56686
1409.227	73.18222	77.52902
1409.709	73.17806	77.49248
1410.192	73.17506	77.45732
1410.674	73.17357	77.42426
1411.156	73.17374	77.3937
1411.638	73.17604	77.36659
1412.12	73.18109	77.34445
1412.602	73.18848	77.32603
1413.084	73.19797	77.31059
1413.566	73.20959	77.29801
1414.048	73.2233	77.28792
1414.531	73.2391	77.28034
1415.013	73.257	77.27531
1415.495	73.27683	77.27247
1415.977	73.29816	77.27128
1416.459	73.32161	77.27233
1416.941	73.34761	77.27599
1417.423	73.37623	77.28233
1417.905	73.40753	77.29144
1418.388	73.44203	77.30357
1418.87	73.48	77.31887
1419.352	73.52228	77.33779
1419.834	73.57031	77.36119
1420.316	73.62263	77.38822
1420.798	73.67833	77.41833
1421.28	73.73712	77.45136
1421.762	73.79844	77.48701
1422.245	73.86218	77.52519
1422.727	73.92826	77.56582
1423.209	73.99617	77.6086
1423.691	74.06526	77.65302
1424.173	74.13591	77.69944
1424.655	74.2083	77.74802
1425.137	74.28236	77.79871
1425.619	74.35806	77.85148
1426.101	74.43543	77.90644
1426.584	74.5144	77.96362
1427.066	74.59519	78.02333
1427.548	74.67827	78.08617
1428.03	74.76289	78.15134
1428.512	74.84853	78.21827
1428.994	74.93491	78.28671
1429.476	75.02154	78.35626
1429.958	75.10841	78.4268
1430.441	75.19535	78.49822
1430.923	75.28225	78.57022
1431.405	75.36908	78.64255
1431.887	75.45536	78.71509
1432.369	75.54065	78.78769
1432.851	75.62477	78.86023
1433.333	75.70766	78.93261
1433.815	75.7886	79.00454
1434.297	75.86718	79.07579
1434.78	75.94237	79.14602

Wavenumber (cm-1)	After	Before
1435.262	76.01251	79.21475
1435.744	76.07909	79.28217
1436.226	76.14295	79.3484
1436.708	76.2043	79.41332
1437.19	76.26363	79.47677
1437.672	76.32094	79.53886
1438.154	76.37624	79.59954
1438.636	76.42994	79.65912
1439.119	76.48268	79.71822
1439.601	76.53391	79.77583
1440.083	76.58329	79.83119
1440.565	76.63081	79.88417
1441.047	76.67637	79.93479
1441.529	76.71983	79.982
1442.011	76.76112	80.02528
1442.493	76.79982	80.06296
1442.976	76.83527	80.09218
1443.458	76.86824	80.11591
1443.94	76.89928	80.13601
1444.422	76.92854	80.15312
1444.904	76.9563	80.16847
1445.386	76.98276	80.18215
1445.868	77.00804	80.19439
1446.35	77.03263	80.20598
1446.833	77.05722	80.21792
1447.315	77.08127	80.22995
1447.797	77.10441	80.24207
1448.279	77.12673	80.25444
1448.761	77.14839	80.2671
1449.243	77.16894	80.28054
1449.725	77.18826	80.29517
1450.207	77.20551	80.31145
1450.689	77.21916	80.33003
1451.172	77.23119	80.3507
1451.654	77.24282	80.37344
1452.136	77.25464	80.39839
1452.618	77.26759	80.42561
1453.1	77.28182	80.45529
1453.582	77.29764	80.48766
1454.064	77.31566	80.52278
1454.546	77.33648	80.5607
1455.028	77.36029	80.60174
1455.511	77.38737	80.64622
1455.993	77.41799	80.69434
1456.475	77.45231	80.74632
1456.957	77.49099	80.80241
1457.439	77.5345	80.86283
1457.921	77.58356	80.92789
1458.403	77.63927	80.99797
1458.885	77.7011	81.07308
1459.368	77.76877	81.15321
1459.85	77.84256	81.23864
1460.332	77.92277	81.3298
1460.814	78.00909	81.42635
1461.296	78.10161	81.52835

Wavenumber (cm-1)	After	Before
1461.778	78.19952	81.63519
1462.26	78.30131	81.74565
1462.742	78.40933	81.86167
1463.224	78.52541	81.98475
1463.707	78.6497	82.11503
1464.189	78.7822	82.25239
1464.671	78.92535	82.39902
1465.153	79.08032	82.5559
1465.635	79.25114	82.72653
1466.117	79.44463	82.91683
1466.599	79.65351	83.12043
1467.081	79.87337	83.33346
1467.563	80.10254	83.55447
1468.046	80.33788	83.7808
1468.528	80.57932	84.01223
1469.01	80.82633	84.24823
1469.492	81.07714	84.48702
1469.974	81.32984	84.72649
1470.456	81.5844	84.9671
1470.938	81.84026	85.2088
1471.42	82.09698	85.45112
1471.903	82.3546	85.69401
1472.385	82.61106	85.93626
1472.867	82.86508	86.17703
1473.349	83.11432	86.41524
1473.831	83.35503	86.64941
1474.313	83.59003	86.87996
1474.795	83.82085	87.10697
1475.277	84.04764	87.32992
1475.76	84.27116	87.54831
1476.242	84.49111	87.76219
1476.724	84.70725	87.97123
1477.206	84.92019	88.17603
1477.688	85.13087	88.37798
1478.17	85.33797	88.57434
1478.652	85.54055	88.76296
1479.134	85.7383	88.94341
1479.616	85.93078	89.11549
1480.099	86.11745	89.27634
1480.581	86.29794	89.42454
1481.063	86.47125	89.55565
1481.545	86.63587	89.66232
1482.027	86.79298	89.75187
1482.509	86.9433	89.82868
1482.991	87.08674	89.8942
1483.473	87.22337	89.95144
1483.955	87.35358	90.00025
1484.438	87.47741	90.04097
1484.92	87.59586	90.07526
1485.402	87.71066	90.10507
1485.884	87.8196	90.12994
1486.366	87.921	90.15005
1486.848	88.01482	90.16564
1487.33	88.1012	90.17645
1487.812	88.17793	90.18414

Wavenumber (cm-1)	After	Before
1488.295	88.24408	90.18968
1488.777	88.29601	90.19488
1489.259	88.32742	90.20269
1489.741	88.34525	90.21072
1490.223	88.35377	90.21761
1490.705	88.35479	90.22317
1491.187	88.35168	90.2267
1491.669	88.34417	90.2283
1492.151	88.33273	90.22805
1492.634	88.31842	90.22526
1493.116	88.30188	90.21887
1493.598	88.28497	90.21011
1494.08	88.26958	90.19981
1494.562	88.25623	90.1881
1495.044	88.24472	90.17523
1495.526	88.23912	90.1618
1496.008	88.24153	90.1481
1496.49	88.25757	90.13532
1496.973	88.29654	90.12534
1497.455	88.34949	90.11622
1497.937	88.41113	90.10682
1498.419	88.47979	90.09672
1498.901	88.55205	90.08511
1499.383	88.62802	90.07203
1499.865	88.70744	90.05737
1500.347	88.78815	90.04076
1500.83	88.86754	90.02171
1501.312	88.94676	90.00025
1501.794	89.02618	89.97622
1502.276	89.10564	89.94953
1502.758	89.18552	89.92027
1503.24	89.26451	89.88786
1503.722	89.3418	89.85197
1504.204	89.41628	89.81191
1504.687	89.48611	89.76653
1505.169	89.55254	89.71687
1505.651	89.61613	89.66347
1506.133	89.67688	89.60647
1506.615	89.73497	89.54617
1507.097	89.79026	89.48261
1507.579	89.84258	89.4158
1508.061	89.8922	89.34612
1508.543	89.93972	89.27413
1509.026	89.98414	89.19927
1509.508	90.02473	89.12116
1509.99	90.06127	89.03977
1510.472	90.0935	88.95506
1510.954	90.12075	88.86671
1511.436	90.14264	88.77456
1511.918	90.15807	88.67797
1512.4	90.1653	88.57578
1512.882	90.16584	88.46929
1513.365	90.16062	88.35931
1513.847	90.14977	88.24616
1514.329	90.13374	88.1303

Wavenumber (cm-1)	After	Before
1514.811	90.11261	88.01193
1515.293	90.08643	87.89123
1515.775	90.05582	87.76873
1516.257	90.02174	87.64515
1516.739	89.98318	87.52007
1517.222	89.93944	87.3933
1517.704	89.89052	87.26495
1518.186	89.83638	87.13513
1518.668	89.77633	87.0037
1519.15	89.71009	86.87071
1519.632	89.63639	86.73573
1520.114	89.55302	86.59789
1520.596	89.46247	86.4585
1521.078	89.36628	86.3184
1521.561	89.26511	86.17806
1522.043	89.16016	86.03823
1522.525	89.05138	85.89898
1523.007	88.93898	85.76051
1523.489	88.82343	85.62308
1523.971	88.70509	85.48671
1524.453	88.58449	85.35217
1524.935	88.46223	85.22009
1525.417	88.33853	85.09073
1525.9	88.21336	84.96419
1526.382	88.08804	84.84156
1526.864	87.96326	84.7235
1527.346	87.84075	84.61158
1527.828	87.72342	84.50832
1528.31	87.60862	84.41149
1528.792	87.49482	84.31975
1529.274	87.38159	84.23279
1529.757	87.26794	84.14982
1530.239	87.15403	84.0709
1530.721	87.03983	83.99603
1531.203	86.9248	83.92466
1531.685	86.80833	83.85601
1532.167	86.6907	83.79069
1532.649	86.57202	83.72906
1533.131	86.45232	83.67115
1533.614	86.33177	83.61712
1534.096	86.20995	83.56696
1534.578	86.08661	83.52066
1535.06	85.96127	83.47843
1535.542	85.83312	83.44061
1536.024	85.70296	83.40677
1536.506	85.57133	83.37666
1536.988	85.43835	83.35016
1537.47	85.30443	83.32711
1537.953	85.16949	83.30746
1538.435	85.03359	83.29112
1538.917	84.89689	83.27792
1539.399	84.75953	83.26758
1539.881	84.62154	83.26025
1540.363	84.48302	83.25599
1540.845	84.34398	83.25475



Wavenumber (cm-1)	After	Before
1541.327	84.2044	83.25648
1541.809	84.06456	83.26122
1542.292	83.92462	83.26897
1542.774	83.78495	83.27987
1543.256	83.64619	83.29423
1543.738	83.50772	83.31159
1544.22	83.36919	83.3316
1544.702	83.23051	83.3541
1545.184	83.0915	83.37891
1545.666	82.9521	83.40589
1546.149	82.81226	83.4349
1546.631	82.67171	83.46568
1547.113	82.53008	83.49786
1547.595	82.3877	83.5316
1548.077	82.24484	83.56698
1548.559	82.10148	83.60389
1549.041	81.9576	83.64222
1549.523	81.81343	83.68205
1550.005	81.66908	83.72335
1550.488	81.52501	83.76637
1550.97	81.38208	83.81159
1551.452	81.23927	83.85822
1551.934	81.09596	83.90574
1552.416	80.95184	83.95382
1552.898	80.8063	84.00202
1553.38	80.65949	84.05025
1553.862	80.51134	84.09838
1554.344	80.3619	84.14625
1554.827	80.21143	84.19376
1555.309	80.05911	84.2405
1555.791	79.90427	84.28606
1556.273	79.74683	84.33027
1556.755	79.58685	84.37306
1557.237	79.42313	84.41377
1557.719	79.25511	84.452
1558.201	79.08099	84.48684
1558.684	78.89775	84.51684
1559.166	78.70849	84.54324
1559.648	78.51513	84.56674
1560.13	78.31837	84.58753
1560.612	78.11957	84.60597
1561.094	77.91866	84.62203
1561.576	77.71582	84.63566
1562.058	77.51172	84.64712
1562.541	77.30704	84.65677
1563.023	77.10191	84.66431
1563.505	76.89662	84.66953
1563.987	76.69135	84.67237
1564.469	76.48598	84.67273
1564.951	76.28156	84.67063
1565.433	76.07867	84.66608
1565.915	75.87859	84.65902
1566.397	75.68343	84.64942
1566.88	75.49133	84.63728
1567.362	75.30125	84.62261

Wavenumber (cm-1)	After	Before
1567.844	75.11287	84.60535
1568.326	74.92547	84.58543
1568.808	74.73927	84.56294
1569.29	74.55434	84.53789
1569.772	74.37047	84.51042
1570.254	74.18753	84.48081
1570.736	74.00541	84.44867
1571.219	73.82396	84.41368
1571.701	73.64323	84.37585
1572.183	73.46346	84.33521
1572.665	73.28397	84.29131
1573.147	73.10444	84.24397
1573.629	72.92389	84.19243
1574.111	72.74059	84.13547
1574.593	72.55648	84.07445
1575.076	72.3728	84.01023
1575.558	72.19009	83.94314
1576.04	72.00929	83.87383
1576.522	71.83036	83.8023
1577.004	71.65348	83.72863
1577.486	71.47899	83.65313
1577.968	71.30714	83.57604
1578.45	71.1384	83.49756
1578.932	70.97328	83.41793
1579.415	70.81195	83.33726
1579.897	70.65439	83.25554
1580.379	70.50166	83.17337
1580.861	70.35436	83.0911
1581.343	70.21396	83.0095
1581.825	70.08283	82.92986
1582.307	69.95877	82.85106
1582.789	69.84047	82.77242
1583.271	69.72758	82.69377
1583.754	69.61925	82.61466
1584.236	69.51554	82.53523
1584.718	69.41644	82.45545
1585.2	69.32141	82.37515
1585.682	69.22977	82.29412
1586.164	69.1419	82.21245
1586.646	69.05804	82.13014
1587.128	68.97816	82.04722
1587.611	68.9024	81.9638
1588.093	68.83057	81.87962
1588.575	68.76251	81.79455
1589.057	68.69816	81.70828
1589.539	68.63734	81.62019
1590.021	68.5801	81.53094
1590.503	68.52647	81.44094
1590.985	68.47643	81.35039
1591.468	68.43004	81.25962
1591.95	68.38715	81.16856
1592.432	68.34768	81.07727
1592.914	68.31149	80.98579
1593.396	68.27832	80.89405
1593.878	68.24841	80.80237

Wavenumber (cm-1)	After	Before
1594.36	68.22195	80.71106
1594.842	68.1989	80.62015
1595.324	68.17915	80.52961
1595.807	68.163	80.44
1596.289	68.1506	80.35157
1596.771	68.14249	80.26516
1597.253	68.13973	80.18211
1597.735	68.14104	80.10105
1598.217	68.14563	80.02111
1598.699	68.15315	79.94203
1599.181	68.16303	79.86324
1599.663	68.17515	79.78474
1600.146	68.18936	79.7064
1600.628	68.20528	79.62786
1601.11	68.22249	79.54867
1601.592	68.24093	79.46899
1602.074	68.26047	79.38886
1602.556	68.28095	79.30822
1603.038	68.30229	79.22709
1603.52	68.32411	79.14525
1604.003	68.34616	79.06257
1604.485	68.36804	78.97891
1604.967	68.38917	78.89407
1605.449	68.40978	78.80805
1605.931	68.43	78.72085
1606.413	68.44971	78.63234
1606.895	68.46889	78.54238
1607.377	68.48744	78.45104
1607.859	68.50523	78.35825
1608.342	68.52226	78.26418
1608.824	68.53865	78.16917
1609.306	68.55401	78.0726
1609.788	68.56804	77.97398
1610.27	68.5806	77.87322
1610.752	68.59158	77.77032
1611.234	68.60063	77.66458
1611.716	68.6076	77.5557
1612.198	68.61204	77.44254
1612.681	68.61331	77.3233
1613.163	68.61187	77.19987
1613.645	68.60793	77.07339
1614.127	68.60146	76.94426
1614.609	68.59249	76.81318
1615.091	68.58108	76.68027
1615.573	68.56717	76.54568
1616.055	68.55101	76.41006
1616.538	68.53303	76.27425
1617.02	68.5126	76.13778
1617.502	68.48923	76.00037
1617.984	68.46288	75.86215
1618.466	68.43349	75.72315
1618.948	68.40051	75.58332
1619.43	68.36366	75.44275
1619.912	68.32201	75.30111
1620.395	68.27397	75.15777

Wavenumber (cm-1)	After	Before
1620.877	68.2212	75.01375
1621.359	68.16469	74.86976
1621.841	68.1048	74.72619
1622.323	68.04215	74.5837
1622.805	67.97684	74.44232
1623.287	67.90899	74.30223
1623.769	67.8391	74.16358
1624.251	67.76781	74.0263
1624.734	67.69484	73.89116
1625.216	67.62007	73.75884
1625.698	67.54361	73.62951
1626.18	67.46548	73.50327
1626.662	67.3858	73.38122
1627.144	67.30472	73.26392
1627.626	67.22223	73.15296
1628.108	67.13824	73.05081
1628.59	67.05314	72.95519
1629.073	66.96721	72.86472
1629.555	66.88066	72.77905
1630.037	66.7938	72.69736
1630.519	66.70667	72.61966
1631.001	66.61945	72.54589
1631.483	66.53223	72.4754
1631.965	66.44507	72.40725
1632.447	66.35831	72.34217
1632.93	66.27227	72.28057
1633.412	66.1871	72.22245
1633.894	66.10291	72.16789
1634.376	66.02013	72.11703
1634.858	65.93907	72.06986
1635.34	65.86034	72.02678
1635.822	65.7849	71.98856
1636.304	65.71201	71.95422
1636.786	65.64127	71.92319
1637.269	65.57261	71.89514
1637.751	65.5058	71.8695
1638.233	65.44098	71.84638
1638.715	65.3782	71.82568
1639.197	65.31735	71.80743
1639.679	65.25829	71.79185
1640.161	65.2012	71.77815
1640.643	65.14623	71.76569
1641.125	65.09345	71.75434
1641.608	65.04298	71.74415
1642.09	64.99479	71.73396
1642.572	64.94889	71.72322
1643.054	64.90527	71.71025
1643.536	64.86383	71.69216
1644.018	64.82478	71.67188
1644.5	64.78832	71.65115
1644.982	64.75452	71.63056
1645.465	64.72345	71.61124
1645.947	64.69527	71.59328
1646.429	64.67008	71.57686
1646.911	64.64811	71.56284

Wavenumber (cm-1)	After	Before
1647.393	64.62968	71.55228
1647.875	64.61459	71.54468
1648.357	64.60265	71.53985
1648.839	64.59397	71.53792
1649.322	64.58864	71.53889
1649.804	64.58643	71.54301
1650.286	64.58727	71.5505
1650.768	64.59071	71.56142
1651.25	64.59588	71.57568
1651.732	64.60393	71.59381
1652.214	64.61557	71.61617
1652.696	64.63122	71.64307
1653.178	64.65149	71.67495
1653.661	64.67637	71.71188
1654.143	64.706	71.75401
1654.625	64.74052	71.80135
1655.107	64.77991	71.85368
1655.589	64.82481	71.91188
1656.071	64.87579	71.97665
1656.553	64.933	72.04821
1657.035	64.99648	72.12667
1657.517	65.06723	72.21306
1658	65.1458	72.30796
1658.482	65.23363	72.41292
1658.964	65.3331	72.53047
1659.446	65.44196	72.65823
1659.928	65.55885	72.79482
1660.41	65.68337	72.9399
1660.892	65.8147	73.09277
1661.374	65.95284	73.25322
1661.857	66.09767	73.42115
1662.339	66.24858	73.59564
1662.821	66.40469	73.77528
1663.303	66.56656	73.96139
1663.785	66.73451	74.15476
1664.267	66.90849	74.35539
1664.749	67.08858	74.56327
1665.231	67.27476	74.77914
1665.714	67.46695	75.0033
1666.196	67.66538	75.23724
1666.678	67.87049	75.48363
1667.16	68.08159	75.73933
1667.642	68.29822	76.00234
1668.124	68.52019	76.2718
1668.606	68.74722	76.5462
1669.088	68.97908	76.82543
1669.57	69.21557	77.10914
1670.052	69.45626	77.39658
1670.535	69.70051	77.68702
1671.017	69.94869	77.97999
1671.499	70.20102	78.27488
1671.981	70.45734	78.57136
1672.463	70.71745	78.86933
1672.945	70.9817	79.16744
1673.427	71.25006	79.46485

Wavenumber (cm-1)	After	Before
1673.909	71.52319	79.75987
1674.392	71.80229	80.04979
1674.874	72.08566	80.33675
1675.356	72.37219	80.62191
1675.838	72.6613	80.9055
1676.32	72.95206	81.18825
1676.802	73.24437	81.4698
1677.284	73.53796	81.74999
1677.766	73.83241	82.02909
1678.249	74.12745	82.30737
1678.731	74.42245	82.5845
1679.213	74.71683	82.86031
1679.695	75.01025	83.13462
1680.177	75.30261	83.40705
1680.659	75.59282	83.67797
1681.141	75.8802	83.94744
1681.623	76.1633	84.21597
1682.105	76.43979	84.48451
1682.588	76.71158	84.75169
1683.07	76.97971	85.01663
1683.552	77.24446	85.27887
1684.034	77.50656	85.53782
1684.516	77.76563	85.79321
1684.998	78.02151	86.04475
1685.48	78.27429	86.2919
1685.962	78.52393	86.53393
1686.444	78.7706	86.77094
1686.927	79.01453	87.00292
1687.409	79.25555	87.22962
1687.891	79.49332	87.45084
1688.373	79.7287	87.66641
1688.855	79.96201	87.87609
1689.337	80.19454	88.07992
1689.819	80.42862	88.27808
1690.301	80.66144	88.46974
1690.784	80.89127	88.65438
1691.266	81.11725	88.8314
1691.748	81.33782	88.99987
1692.23	81.55322	89.16016
1692.712	81.7632	89.31215
1693.194	81.96756	89.4564
1693.676	82.16652	89.59432
1694.158	82.35853	89.72328
1694.641	82.54217	89.84114
1695.123	82.71716	89.94766
1695.605	82.88361	90.04293
1696.087	83.03893	90.12377
1696.569	83.18189	90.18867
1697.051	83.30877	90.23261
1697.533	83.41338	90.24715
1698.015	83.50187	90.24115
1698.497	83.578	90.22003
1698.979	83.6429	90.18572
1699.462	83.6989	90.14191
1699.944	83.74622	90.08877

Wavenumber (cm-1)	After	Before
1700.426	83.78524	90.02695
1700.908	83.81784	89.95876
1701.39	83.84654	89.88696
1701.872	83.86984	89.81097
1702.354	83.88704	89.73094
1702.836	83.89838	89.64742
1703.319	83.90384	89.56038
1703.801	83.90348	89.47164
1704.283	83.89761	89.38243
1704.765	83.88559	89.29453
1705.247	83.86611	89.21065
1705.729	83.84145	89.1293
1706.211	83.81316	89.04986
1706.693	83.78214	88.97263
1707.176	83.74973	88.89767
1707.658	83.71622	88.82518
1708.14	83.68208	88.75555
1708.622	83.64791	88.68826
1709.104	83.61411	88.62222
1709.586	83.5818	88.55968
1710.068	83.55208	88.50239
1710.55	83.52547	88.45083
1711.032	83.50228	88.40543
1711.515	83.48427	88.36816
1711.997	83.4725	88.3401
1712.479	83.46935	88.32428
1712.961	83.47846	88.32568
1713.443	83.49698	88.33971
1713.925	83.52327	88.36373
1714.407	83.55724	88.397
1714.889	83.59824	88.43779
1715.371	83.64619	88.4863
1715.854	83.70119	88.54243
1716.336	83.76206	88.60515
1716.818	83.82688	88.67312
1717.3	83.89813	88.74712
1717.782	83.97755	88.82754
1718.264	84.06534	88.91435
1718.746	84.16171	89.00787
1719.229	84.26849	89.10761
1719.711	84.38657	89.2133
1720.193	84.51913	89.32459
1720.675	84.67158	89.44097
1721.157	84.8382	89.56281
1721.639	85.01552	89.69027
1722.121	85.20223	89.82353
1722.603	85.39593	89.96301
1723.085	85.59653	90.10812
1723.568	85.80367	90.2586
1724.05	86.01594	90.41367
1724.532	86.23184	90.57183
1725.014	86.45137	90.73496
1725.496	86.67415	90.90449
1725.978	86.89983	91.0803
1726.46	87.12846	91.26197

Wavenumber (cm-1)	After	Before
1726.942	87.35844	91.45186
1727.424	87.58881	91.65088
1727.907	87.81775	91.86289
1728.389	88.04239	92.09463
1728.871	88.26491	92.33836
1729.353	88.48649	92.58933
1729.835	88.70726	92.84531
1730.317	88.92785	93.10232
1730.799	89.14798	93.36083
1731.281	89.36745	93.62025
1731.764	89.58667	93.87966
1732.246	89.80625	94.13903
1732.728	90.02533	94.3952
1733.21	90.24333	94.64523
1733.692	90.46001	94.88841
1734.174	90.67502	95.12502
1734.656	90.88813	95.34935
1735.138	91.09915	95.55846
1735.62	91.30765	95.74422
1736.103	91.51302	95.89301
1736.585	91.71555	96.01824
1737.067	91.91536	96.12779
1737.549	92.11234	96.22441
1738.031	92.30638	96.31365
1738.513	92.4975	96.39494
1738.995	92.68561	96.4687
1739.477	92.87088	96.53744
1739.959	93.05372	96.60378
1740.442	93.23338	96.66798
1740.924	93.40925	96.73104
1741.406	93.58124	96.79332
1741.888	93.74924	96.85407
1742.37	93.91254	96.91755
1742.852	94.07075	96.98598
1743.334	94.22272	97.06472
1743.816	94.36655	97.16277
1744.299	94.50413	97.27149
1744.781	94.63655	97.38581
1745.263	94.76418	97.50408
1745.745	94.88776	97.62282
1746.227	95.0073	97.74244
1746.709	95.12288	97.86276
1747.191	95.23497	97.98208
1747.673	95.34418	98.0986
1748.156	95.45024	98.21255
1748.638	95.55309	98.3236
1749.12	95.65277	98.43163
1749.602	95.74923	98.53716
1750.084	95.84273	98.63789
1750.566	95.93344	98.73262
1751.048	96.02155	98.81852
1751.53	96.10735	98.89082
1752.012	96.19073	98.95411
1752.495	96.27168	99.01116
1752.977	96.35026	99.06281



Wavenumber (cm-1)	After	Before
1753.459	96.4265	99.11089
1753.941	96.50049	99.15532
1754.423	96.57227	99.19622
1754.905	96.64184	99.23465
1755.387	96.70914	99.27184
1755.869	96.77441	99.30737
1756.351	96.83784	99.3412
1756.834	96.8995	99.37341
1757.316	96.95948	99.40379
1757.798	97.018	99.43321
1758.28	97.07517	99.4622
1758.762	97.13132	99.49167
1759.244	97.18691	99.52308
1759.726	97.24159	99.55521
1760.208	97.29514	99.5874
1760.691	97.34756	99.61953
1761.173	97.39869	99.65128
1761.655	97.44862	99.68265
1762.137	97.49738	99.71365
1762.619	97.54494	99.74384
1763.101	97.59122	99.77255
1763.583	97.63629	99.80059
1764.065	97.68021	99.8285
1764.547	97.72303	99.85634
1765.03	97.76481	99.88419
1765.512	97.80551	99.91258
1765.994	97.84512	99.94172
1766.476	97.88359	99.97257
1766.958	97.92082	100.0067
1767.44	97.957	100.04243
1767.922	97.99224	100.07873
1768.404	98.02663	100.11519
1768.886	98.06028	100.15097
1769.369	98.09319	100.18623
1769.851	98.1254	100.22085
1770.333	98.15692	100.25465
1770.815	98.18773	100.28755
1771.297	98.21799	100.31908
1771.779	98.24784	100.34869
1772.261	98.27731	100.37631
1772.743	98.30643	100.40202
1773.226	98.33541	100.42474
1773.708	98.36437	100.44395
1774.19	98.39366	100.45811
1774.672	98.42379	100.46467
1775.154	98.45428	100.46621
1775.636	98.4848	100.46426
1776.118	98.51528	100.45934
1776.6	98.54552	100.45252
1777.083	98.57552	100.44375
1777.565	98.60527	100.43315
1778.047	98.63464	100.42125
1778.529	98.66344	100.40868
1779.011	98.69178	100.3954
1779.493	98.71973	100.38154

Wavenumber (cm-1)	After	Before
1779.975	98.74727	100.3672
1780.457	98.77441	100.35227
1780.939	98.80113	100.33744
1781.422	98.8274	100.32313
1781.904	98.85322	100.31017
1782.386	98.87859	100.29988
1782.868	98.90348	100.29111
1783.35	98.92784	100.28317
1783.832	98.95164	100.2759
1784.314	98.97481	100.26888
1784.796	98.99738	100.26219
1785.278	99.01933	100.25584
1785.761	99.04066	100.24954
1786.243	99.06145	100.24297
1786.725	99.08157	100.23641
1787.207	99.10091	100.23003
1787.689	99.11944	100.22383
1788.171	99.13717	100.21794
1788.653	99.15395	100.2123
1789.135	99.1697	100.20692
1789.618	99.18419	100.20179
1790.1	99.19701	100.19695
1790.582	99.20857	100.1924
1791.064	99.21912	100.18811
1791.546	99.22872	100.1841
1792.028	99.23753	100.18038
1792.51	99.24554	100.1769
1792.992	99.25281	100.17368
1793.474	99.25944	100.17064
1793.957	99.26557	100.16764
1794.439	99.27115	100.16486
1794.921	99.27612	100.16242
1795.403	99.2805	100.16032
1795.885	99.28431	100.15853
1796.367	99.28754	100.15724
1796.849	99.29025	100.15652
1797.331	99.29242	100.15669
1797.813	99.29401	100.15827
1798.296	99.2951	100.16065
1798.778	99.29578	100.16349
1799.26	99.29609	100.16662
1799.742	99.2961	100.16975
1800.224	99.29584	100.17292
1800.706	99.2953	100.17607
1801.188	99.29448	100.17913
1801.67	99.29336	100.18205
1802.153	99.29208	100.18466
1802.635	99.29073	100.18676
1803.117	99.28934	100.18832
1803.599	99.28795	100.18933
1804.081	99.28671	100.18945
1804.563	99.28571	100.18847
1805.045	99.28522	100.18588
1805.527	99.28564	100.18079
1806.01	99.28659	100.17407

Wavenumber (cm-1)	After	Before
1806.492	99.28782	100.16618
1806.974	99.28925	100.15733
1807.456	99.2907	100.14784
1807.938	99.29222	100.13767
1808.42	99.2938	100.12682
1808.902	99.29538	100.11541
1809.384	99.29693	100.10354
1809.866	99.2984	100.09131
1810.349	99.29973	100.07882
1810.831	99.3009	100.06609
1811.313	99.30196	100.05306
1811.795	99.30274	100.04007
1812.277	99.30315	100.02731
1812.759	99.30292	100.01526
1813.241	99.30164	100.00475
1813.723	99.29975	99.99493
1814.205	99.29752	99.98528
1814.688	99.29507	99.97559
1815.17	99.29263	99.96541
1815.652	99.29014	99.95487
1816.134	99.2876	99.94398
1816.616	99.28499	99.93272
1817.098	99.28223	99.92123
1817.58	99.27958	99.90907
1818.062	99.27728	99.89584
1818.545	99.27536	99.88149
1819.027	99.27374	99.86611
1819.509	99.27289	99.84894
1819.991	99.27299	99.8296
1820.473	99.27471	99.80692
1820.955	99.27919	99.77888
1821.437	99.28522	99.74763
1821.919	99.29207	99.71446
1822.401	99.29944	99.67989
1822.884	99.30676	99.64497
1823.366	99.3141	99.60952
1823.848	99.32143	99.57367
1824.33	99.32858	99.53767
1824.812	99.33554	99.50166
1825.294	99.34193	99.46622
1825.776	99.3474	99.43194
1826.258	99.35188	99.39895
1826.74	99.35543	99.36714
1827.223	99.35729	99.33779
1827.705	99.3571	99.31155
1828.187	99.35375	99.29028
1828.669	99.34544	99.277
1829.151	99.33398	99.26869
1829.633	99.32048	99.2635
1830.115	99.30533	99.26078
1830.597	99.28931	99.25923
1831.08	99.27236	99.259
1831.562	99.25455	99.25996
1832.044	99.23621	99.26159
1832.526	99.21767	99.26338

Wavenumber (cm-1)	After	Before
1833.008	99.19905	99.26509
1833.49	99.18056	99.26639
1833.972	99.16225	99.26717
1834.454	99.14403	99.2676
1834.937	99.12658	99.26653
1835.419	99.11024	99.26338
1835.901	99.09587	99.25665
1836.383	99.08489	99.24382
1836.865	99.07595	99.22734
1837.347	99.06824	99.20864
1837.829	99.06151	99.18822
1838.311	99.0552	99.16708
1838.793	99.04939	99.14511
1839.276	99.04405	99.12235
1839.758	99.0389	99.09924
1840.24	99.03361	99.0762
1840.722	99.02826	99.05331
1841.204	99.02284	99.03078
1841.686	99.01734	99.00866
1842.168	99.01183	98.98679
1842.65	99.00601	98.96599
1843.132	98.99969	98.94669
1843.615	98.99253	98.92993
1844.097	98.98389	98.91752
1844.579	98.97437	98.90767
1845.061	98.96431	98.89932
1845.543	98.9538	98.89214
1846.025	98.94305	98.88537
1846.507	98.93206	98.87906
1846.989	98.92087	98.87314
1847.472	98.90961	98.86724
1847.954	98.89853	98.86093
1848.436	98.88745	98.85427
1848.918	98.87631	98.84718
1849.4	98.86511	98.8396
1849.882	98.85383	98.83161
1850.364	98.84247	98.82275
1850.846	98.83102	98.81277
1851.328	98.81943	98.80111
1851.811	98.80756	98.78687
1852.293	98.79559	98.77087
1852.775	98.78365	98.75356
1853.257	98.77186	98.73501
1853.739	98.76035	98.71546
1854.221	98.74904	98.69495
1854.703	98.73794	98.67355
1855.185	98.72694	98.65157
1855.667	98.71581	98.62959
1856.15	98.70498	98.607
1856.632	98.69476	98.58342
1857.114	98.68522	98.55885
1857.596	98.67628	98.53328
1858.078	98.6685	98.5063
1858.56	98.66212	98.47772
1859.042	98.658	98.44679

Wavenumber (cm-1)	After	Before
1859.524	98.6576	98.41216
1860.007	98.65936	98.37537
1860.489	98.66232	98.33733
1860.971	98.66607	98.29848
1861.453	98.66985	98.25959
1861.935	98.67378	98.22055
1862.417	98.67779	98.18147
1862.899	98.68168	98.14246
1863.381	98.68546	98.10346
1863.864	98.68858	98.06519
1864.346	98.69055	98.02825
1864.828	98.69126	97.99282
1865.31	98.69081	97.95879
1865.792	98.68813	97.92738
1866.274	98.68271	97.89918
1866.756	98.67305	97.87599
1867.238	98.65661	97.86075
1867.72	98.63594	97.85048
1868.203	98.61257	97.84342
1868.685	98.58704	97.83895
1869.167	98.56044	97.83581
1869.649	98.53267	97.8341
1870.131	98.50384	97.8337
1870.613	98.47446	97.83405
1871.095	98.44502	97.83452
1871.577	98.41563	97.83505
1872.059	98.38651	97.83535
1872.542	98.35778	97.83531
1873.024	98.32932	97.8351
1873.506	98.30199	97.8337
1873.988	98.27626	97.83062
1874.47	98.25321	97.82462
1874.952	98.23466	97.81365
1875.434	98.21889	97.79961
1875.916	98.20494	97.78364
1876.399	98.19251	97.76606
1876.881	98.18098	97.74759
1877.363	98.17038	97.72817
1877.845	98.16066	97.70785
1878.327	98.15141	97.68704
1878.809	98.14209	97.66629
1879.291	98.13303	97.64533
1879.773	98.12437	97.62404
1880.255	98.11613	97.60243
1880.738	98.10838	97.5804
1881.22	98.101	97.5582
1881.702	98.09389	97.53597
1882.184	98.08706	97.51396
1882.666	98.08044	97.4925
1883.148	98.07398	97.47132
1883.63	98.06762	97.45025
1884.112	98.06126	97.42925
1884.594	98.05482	97.40826
1885.077	98.0483	97.3873
1885.559	98.04167	97.36636

Wavenumber (cm-1)	After	Before
1886.041	98.03499	97.34534
1886.523	98.02836	97.32408
1887.005	98.02151	97.30279
1887.487	98.01419	97.28159
1887.969	98.00637	97.2605
1888.451	97.99802	97.23955
1888.934	97.98882	97.21886
1889.416	97.97858	97.19849
1889.898	97.96677	97.17865
1890.38	97.95255	97.15971
1890.862	97.93677	97.14132
1891.344	97.91995	97.12322
1891.826	97.90229	97.1053
1892.308	97.88414	97.08742
1892.791	97.86547	97.06957
1893.273	97.84634	97.05178
1893.755	97.8269	97.03397
1894.237	97.80737	97.01614
1894.719	97.78776	96.99816
1895.201	97.76809	96.97997
1895.683	97.74841	96.96153
1896.165	97.72867	96.94286
1896.647	97.70914	96.92374
1897.13	97.68995	96.90405
1897.612	97.6714	96.88348
1898.094	97.65398	96.86149
1898.576	97.63726	96.83861
1899.058	97.62097	96.81518
1899.54	97.60504	96.79133
1900.022	97.58934	96.76729
1900.504	97.57384	96.74302
1900.986	97.55859	96.71854
1901.469	97.54345	96.69394
1901.951	97.52829	96.66929
1902.433	97.51321	96.64467
1902.915	97.49828	96.62015
1903.397	97.48351	96.59577
1903.879	97.46891	96.5715
1904.361	97.45448	96.54758
1904.843	97.44021	96.52414
1905.326	97.42609	96.50151
1905.808	97.41216	96.48026
1906.29	97.39841	96.45982
1906.772	97.38477	96.43987
1907.254	97.37128	96.42027
1907.736	97.35789	96.4008
1908.218	97.34461	96.38146
1908.7	97.33142	96.36226
1909.182	97.31828	96.34311
1909.665	97.30515	96.32394
1910.147	97.29205	96.30467
1910.629	97.27904	96.28523
1911.111	97.26612	96.26558
1911.593	97.25327	96.24577
1912.075	97.24052	96.22556

Wavenumber (cm-1)	After	Before
1912.557	97.22793	96.20483
1913.039	97.21558	96.18324
1913.521	97.20367	96.16021
1914.004	97.19196	96.13632
1914.486	97.18033	96.11191
1914.968	97.16869	96.0871
1915.45	97.15692	96.06214
1915.932	97.14504	96.03701
1916.414	97.13304	96.01171
1916.896	97.12092	95.98634
1917.378	97.10872	95.96095
1917.861	97.09627	95.93565
1918.343	97.08345	95.91052
1918.825	97.07022	95.88555
1919.307	97.05661	95.86074
1919.789	97.04236	95.83634
1920.271	97.02735	95.81245
1920.753	97.01122	95.78941
1921.235	96.99336	95.76782
1921.718	96.97441	95.74709
1922.2	96.95471	95.72689
1922.682	96.93442	95.7071
1923.164	96.9138	95.68749
1923.646	96.89284	95.66805
1924.128	96.87156	95.64877
1924.61	96.85012	95.62955
1925.092	96.82865	95.61021
1925.574	96.80717	95.59079
1926.057	96.78571	95.57127
1926.539	96.76428	95.55163
1927.021	96.74289	95.53188
1927.503	96.7217	95.5119
1927.985	96.70081	95.4916
1928.467	96.68044	95.47082
1928.949	96.66093	95.4493
1929.431	96.64197	95.42725
1929.913	96.62341	95.40482
1930.396	96.60522	95.38201
1930.878	96.58734	95.35888
1931.36	96.56973	95.33546
1931.842	96.5524	95.31175
1932.324	96.53522	95.28784
1932.806	96.51797	95.26392
1933.288	96.50092	95.2398
1933.77	96.48419	95.21531
1934.253	96.46782	95.19047
1934.735	96.45179	95.16527
1935.217	96.4363	95.13955
1935.699	96.42142	95.11326
1936.181	96.40744	95.0861
1936.663	96.39491	95.0576
1937.145	96.38325	95.02831
1937.627	96.37209	94.99853
1938.109	96.36124	94.96841
1938.592	96.35043	94.93821

Wavenumber (cm-1)	After	Before
1939.074	96.33968	94.90792
1939.556	96.32899	94.87756
1940.038	96.31827	94.84721
1940.52	96.30755	94.81688
1941.002	96.29657	94.78675
1941.484	96.28511	94.757
1941.966	96.27314	94.72765
1942.448	96.26067	94.69871
1942.931	96.24725	94.67051
1943.413	96.23267	94.64324
1943.895	96.21627	94.61737
1944.377	96.19696	94.59375
1944.859	96.17586	94.57156
1945.341	96.15359	94.55032
1945.823	96.13041	94.52989
1946.305	96.10677	94.50993
1946.788	96.08263	94.49047
1947.27	96.05804	94.47146
1947.752	96.03323	94.45269
1948.234	96.00841	94.43392
1948.716	95.9836	94.41525
1949.198	95.95892	94.39672
1949.68	95.93443	94.37832
1950.162	95.91003	94.36005
1950.645	95.88614	94.34182
1951.127	95.86291	94.32356
1951.609	95.84083	94.30516
1952.091	95.82065	94.28655
1952.573	95.80167	94.26775
1953.055	95.78345	94.24876
1953.537	95.76588	94.22957
1954.019	95.7487	94.21009
1954.501	95.73193	94.19038
1954.984	95.71555	94.17042
1955.466	95.69939	94.15034
1955.948	95.68323	94.13035
1956.43	95.66718	94.11009
1956.912	95.65134	94.0893
1957.394	95.63567	94.06794
1957.876	95.62022	94.04604
1958.358	95.60495	94.02322
1958.84	95.58979	93.99931
1959.323	95.57472	93.9737
1959.805	95.55972	93.94536
1960.287	95.54477	93.91537
1960.769	95.52986	93.88441
1961.251	95.51499	93.85275
1961.733	95.50013	93.82091
1962.215	95.48528	93.78883
1962.697	95.47043	93.75655
1963.18	95.45558	93.72421
1963.662	95.4408	93.69185
1964.144	95.42597	93.65982
1964.626	95.41105	93.62841
1965.108	95.39598	93.59769



Wavenumber (cm-1)	After	Before
1965.59	95.38078	93.56758
1966.072	95.36536	93.53877
1966.554	95.34965	93.51159
1967.036	95.33349	93.48701
1967.519	95.31664	93.46659
1968.001	95.29932	93.44878
1968.483	95.28172	93.43259
1968.965	95.26385	93.4177
1969.447	95.24585	93.40344
1969.929	95.22771	93.38987
1970.411	95.20943	93.37692
1970.893	95.19109	93.36427
1971.375	95.17276	93.3516
1971.858	95.15442	93.33888
1972.34	95.13603	93.32597
1972.822	95.11761	93.31281
1973.304	95.09915	93.29949
1973.786	95.08067	93.2855
1974.268	95.0622	93.27056
1974.75	95.04374	93.25404
1975.232	95.02528	93.23488
1975.715	95.00687	93.21405
1976.197	94.98851	93.19215
1976.679	94.97025	93.16933
1977.161	94.9521	93.14595
1977.643	94.93405	93.12201
1978.125	94.91611	93.09753
1978.607	94.89824	93.07274
1979.089	94.88036	93.048
1979.572	94.86259	93.02306
1980.054	94.84509	92.99785
1980.536	94.82783	92.97234
1981.018	94.81082	92.94651
1981.5	94.79425	92.9204
1981.982	94.77818	92.89407
1982.464	94.76289	92.86749
1982.946	94.74886	92.84063
1983.428	94.73558	92.81358
1983.911	94.72275	92.78642
1984.393	94.71024	92.75919
1984.875	94.69784	92.732
1985.357	94.68555	92.70483
1985.839	94.67336	92.6777
1986.321	94.66119	92.65058
1986.803	94.64899	92.62341
1987.285	94.63666	92.59638
1987.767	94.62406	92.56964
1988.25	94.61118	92.54322
1988.732	94.59802	92.51714
1989.214	94.58432	92.49161
1989.696	94.56994	92.46678
1990.178	94.55545	92.443
1990.66	94.53738	92.42088
1991.142	94.51917	92.39982
1991.624	94.50025	92.37945

Wavenumber (cm-1)	After	Before
1992.107	94.48076	92.35963
1992.589	94.46094	92.3401
1993.071	94.44078	92.3209
1993.553	94.4203	92.30197
1994.035	94.39963	92.28321
1994.517	94.37892	92.26448
1994.999	94.35815	92.24577
1995.481	94.33734	92.22703
1995.964	94.3165	92.20825
1996.446	94.29559	92.18943
1996.928	94.27477	92.17041
1997.41	94.25414	92.15108
1997.892	94.23385	92.1312
1998.374	94.21419	92.11038
1998.856	94.19493	92.08897
1999.338	94.17591	92.06721
1999.82	94.15709	92.0451
2000.302	94.13838	92.02281
2000.785	94.1198	92.00029
2001.267	94.10134	91.97758
2001.749	94.08295	91.95475
2002.231	94.06454	91.93192
2002.713	94.04617	91.909
2003.195	94.02789	91.88596
2003.677	94.00972	91.8628
2004.159	93.99167	91.8395
2004.642	93.97373	91.81607
2005.124	93.9559	91.79255
2005.606	93.93821	91.76894
2006.088	93.92071	91.74524
2006.57	93.90334	91.72145
2007.052	93.88606	91.69759
2007.534	93.86888	91.67365
2008.016	93.85178	91.64964
2008.499	93.83476	91.62556
2008.981	93.8178	91.60141
2009.463	93.8009	91.5772
2009.945	93.78398	91.55287
2010.427	93.76709	91.52849
2010.909	93.75026	91.50408
2011.391	93.73347	91.47965
2011.873	93.71674	91.4552
2012.355	93.70005	91.43076
2012.838	93.68346	91.40637
2013.32	93.66698	91.38208
2013.802	93.65073	91.35802
2014.284	93.63458	91.33405
2014.766	93.61846	91.31014
2015.248	93.60233	91.28622
2015.73	93.58611	91.26225
2016.212	93.56983	91.23824
2016.694	93.55349	91.2142
2017.177	93.53709	91.19008
2017.659	93.52068	91.1659
2018.141	93.50413	91.14163

Wavenumber (cm-1)	After	Before
2018.623	93.48736	91.11723
2019.105	93.47034	91.09271
2019.587	93.4531	91.06806
2020.069	93.43548	91.04322
2020.551	93.41737	91.01816
2021.034	93.39857	90.99278
2021.516	93.37862	90.9669
2021.998	93.35796	90.94072
2022.48	93.33686	90.91432
2022.962	93.31544	90.88773
2023.444	93.29388	90.86103
2023.926	93.27216	90.83421
2024.408	93.2503	90.80727
2024.891	93.22839	90.78027
2025.373	93.20648	90.75324
2025.855	93.18463	90.72617
2026.337	93.16293	90.69908
2026.819	93.14137	90.67196
2027.301	93.11997	90.64481
2027.783	93.09892	90.61766
2028.265	93.0783	90.59054
2028.747	93.05839	90.56349
2029.229	93.03962	90.53657
2029.712	93.02156	90.50974
2030.194	93.00398	90.48297
2030.676	92.98681	90.45626
2031.158	92.96985	90.42959
2031.64	92.95314	90.40298
2032.122	92.93667	90.37642
2032.604	92.92033	90.3499
2033.086	92.90403	90.32343
2033.569	92.88781	90.29704
2034.051	92.87166	90.2707
2034.533	92.85556	90.24442
2035.015	92.83955	90.21822
2035.497	92.82354	90.19209
2035.979	92.80747	90.16603
2036.461	92.79126	90.14004
2036.943	92.77474	90.11409
2037.426	92.75805	90.08821
2037.908	92.74127	90.06242
2038.39	92.72444	90.03675
2038.872	92.70759	90.01119
2039.354	92.69073	89.98576
2039.836	92.67384	89.96047
2040.318	92.657	89.93536
2040.8	92.64024	89.91045
2041.282	92.6235	89.88574
2041.765	92.60677	89.86118
2042.247	92.59004	89.83678
2042.729	92.5733	89.81256
2043.211	92.55653	89.78848
2043.693	92.53973	89.76455
2044.175	92.52283	89.74069
2044.657	92.5058	89.71681

Wavenumber (cm-1)	After	Before
2045.139	92.48869	89.69302
2045.622	92.47157	89.66944
2046.104	92.45446	89.6461
2046.586	92.43741	89.62308
2047.068	92.4204	89.60038
2047.55	92.40346	89.57801
2048.032	92.38659	89.55598
2048.514	92.36982	89.53426
2048.996	92.35315	89.51296
2049.479	92.33662	89.49216
2049.96	92.32022	89.47188
2050.443	92.30397	89.45211
2050.925	92.28789	89.43302
2051.407	92.27203	89.41467
2051.889	92.25642	89.39727
2052.371	92.24118	89.38121
2052.853	92.22621	89.36611
2053.335	92.21146	89.35175
2053.817	92.19695	89.33807
2054.3	92.18262	89.32491
2054.782	92.16848	89.31227
2055.264	92.15453	89.30014
2055.746	92.14073	89.28841
2056.228	92.12702	89.27699
2056.71	92.11346	89.26592
2057.192	92.10011	89.25518
2057.674	92.08694	89.24478
2058.156	92.07397	89.23472
2058.639	92.06123	89.22492
2059.121	92.04874	89.21536
2059.603	92.03658	89.20598
2060.085	92.02487	89.19668
2060.567	92.01347	89.18752
2061.049	92.00229	89.17852
2061.531	91.99129	89.16967
2062.013	91.98038	89.161
2062.496	91.96958	89.15249
2062.978	91.95888	89.14413
2063.46	91.94827	89.13593
2063.942	91.93776	89.1279
2064.424	91.92728	89.12001
2064.906	91.91676	89.11221
2065.388	91.90618	89.1045
2065.87	91.89557	89.09685
2066.353	91.88481	89.08925
2066.835	91.87384	89.08166
2067.317	91.86246	89.07403
2067.799	91.85043	89.06629
2068.281	91.83803	89.0585
2068.763	91.82541	89.05069
2069.245	91.81263	89.04287
2069.727	91.79981	89.03505
2070.209	91.78696	89.02721
2070.692	91.77406	89.01935
2071.174	91.76119	89.01151

Wavenumber (cm-1)	After	Before
2071.656	91.74841	89.0037
2072.138	91.73571	88.99587
2072.62	91.72313	88.98802
2073.102	91.71066	88.98014
2073.584	91.69829	88.97222
2074.066	91.68612	88.96423
2074.549	91.67419	88.95615
2075.031	91.66261	88.948
2075.513	91.65155	88.93969
2075.995	91.64085	88.93128
2076.477	91.63042	88.9228
2076.959	91.62024	88.91424
2077.441	91.61024	88.90561
2077.923	91.60043	88.89694
2078.406	91.59081	88.88822
2078.887	91.5813	88.87946
2079.37	91.57187	88.87071
2079.852	91.56255	88.8619
2080.334	91.55339	88.85307
2080.816	91.54439	88.84417
2081.298	91.53555	88.83523
2081.78	91.52689	88.82622
2082.262	91.51839	88.81713
2082.744	91.51013	88.80795
2083.227	91.50216	88.79862
2083.709	91.49438	88.78919
2084.191	91.48676	88.7797
2084.673	91.47926	88.77019
2085.155	91.47185	88.76067
2085.637	91.46451	88.75116
2086.119	91.45723	88.74163
2086.601	91.44999	88.73211
2087.083	91.44277	88.72255
2087.566	91.43556	88.71302
2088.048	91.42834	88.70357
2088.53	91.42109	88.69418
2089.012	91.41383	88.68488
2089.494	91.40648	88.67572
2089.976	91.39906	88.66676
2090.458	91.39151	88.65809
2090.94	91.38376	88.64994
2091.423	91.37585	88.6421
2091.905	91.36784	88.63442
2092.387	91.35969	88.62687
2092.869	91.3514	88.61933
2093.351	91.34302	88.61182
2093.833	91.33452	88.60435
2094.315	91.32596	88.59686
2094.797	91.31741	88.5894
2095.28	91.30878	88.58186
2095.762	91.29996	88.5742
2096.244	91.29098	88.56638
2096.726	91.28181	88.55845
2097.208	91.27238	88.55026
2097.69	91.26261	88.54173

Wavenumber (cm-1)	After	Before
2098.172	91.25233	88.53267
2098.654	91.24122	88.52274
2099.136	91.22963	88.51226
2099.619	91.21777	88.50148
2100.101	91.20572	88.49046
2100.583	91.19365	88.47935
2101.065	91.18156	88.46813
2101.547	91.16942	88.45683
2102.029	91.15728	88.44547
2102.511	91.14514	88.43411
2102.993	91.13312	88.42281
2103.476	91.12137	88.41162
2103.958	91.10989	88.40057
2104.44	91.09869	88.38964
2104.922	91.08801	88.37898
2105.404	91.07799	88.36868
2105.886	91.06901	88.35897
2106.368	91.0617	88.35022
2106.85	91.05543	88.34207
2107.333	91.04979	88.33429
2107.814	91.04465	88.32679
2108.297	91.0397	88.31942
2108.779	91.03499	88.3122
2109.261	91.03048	88.30512
2109.743	91.02605	88.29807
2110.225	91.02158	88.29101
2110.707	91.01704	88.28391
2111.189	91.01234	88.27675
2111.671	91.00745	88.26953
2112.154	91.0024	88.26226
2112.636	90.99691	88.25485
2113.118	90.99089	88.24722
2113.6	90.98399	88.23925
2114.082	90.97567	88.23071
2114.564	90.96645	88.22181
2115.046	90.95663	88.21267
2115.528	90.94632	88.20331
2116.01	90.9357	88.19379
2116.493	90.92477	88.18413
2116.975	90.91355	88.17433
2117.457	90.90215	88.16445
2117.939	90.89076	88.1546
2118.421	90.87929	88.14467
2118.903	90.86769	88.13462
2119.385	90.85597	88.12446
2119.867	90.8441	88.11416
2120.35	90.83215	88.10371
2120.832	90.82011	88.09309
2121.314	90.80804	88.08221
2121.796	90.79594	88.07093
2122.278	90.78385	88.0594
2122.76	90.77177	88.04775
2123.242	90.75972	88.03605
2123.724	90.74776	88.02437
2124.207	90.73585	88.01269

Wavenumber (cm-1)	After	Before
2124.689	90.72403	88.00102
2125.171	90.71223	87.98936
2125.653	90.70041	87.97766
2126.135	90.6887	87.96607
2126.617	90.67721	87.9547
2127.099	90.66596	87.94355
2127.581	90.65495	87.93263
2128.063	90.64435	87.92211
2128.546	90.63424	87.91211
2129.028	90.62488	87.90293
2129.51	90.61671	87.89509
2129.992	90.60927	87.88803
2130.474	90.60229	87.88146
2130.956	90.59566	87.87525
2131.438	90.58916	87.86913
2131.92	90.58285	87.86318
2132.403	90.57668	87.85735
2132.885	90.5706	87.85159
2133.367	90.5646	87.84589
2133.849	90.55854	87.84007
2134.331	90.55232	87.83402
2134.813	90.54593	87.82771
2135.295	90.53938	87.82118
2135.777	90.53242	87.81409
2136.26	90.52494	87.80628
2136.741	90.51655	87.7973
2137.224	90.50665	87.78636
2137.706	90.49585	87.77427
2138.188	90.48453	87.7615
2138.67	90.4728	87.74821
2139.152	90.46094	87.73477
2139.634	90.44893	87.72114
2140.116	90.43678	87.70734
2140.598	90.42461	87.69354
2141.081	90.41254	87.6798
2141.563	90.40059	87.66625
2142.045	90.38883	87.653
2142.527	90.37731	87.64009
2143.009	90.36596	87.62748
2143.491	90.35503	87.61551
2143.973	90.34461	87.60436
2144.455	90.33501	87.59449
2144.938	90.32668	87.58667
2145.42	90.3192	87.58015
2145.902	90.31226	87.57447
2146.384	90.30582	87.5695
2146.866	90.29969	87.56493
2147.348	90.29388	87.56079
2147.83	90.28838	87.55705
2148.312	90.2831	87.55354
2148.794	90.27787	87.55006
2149.277	90.27277	87.54666
2149.759	90.26785	87.54336
2150.241	90.26308	87.54011
2150.723	90.25849	87.53695

Wavenumber (cm-1)	After	Before
2151.205	90.25404	87.53374
2151.687	90.24967	87.53036
2152.169	90.24537	87.52665
2152.651	90.24107	87.52229
2153.134	90.23682	87.51756
2153.616	90.2326	87.5126
2154.098	90.22842	87.50743
2154.58	90.22426	87.50212
2155.062	90.22012	87.49668
2155.544	90.21598	87.4911
2156.026	90.21186	87.48546
2156.508	90.20778	87.47987
2156.99	90.2037	87.47423
2157.473	90.19955	87.46844
2157.955	90.19535	87.4625
2158.437	90.19106	87.45639
2158.919	90.18664	87.45004
2159.401	90.18207	87.44344
2159.883	90.17725	87.43645
2160.365	90.17207	87.42887
2160.847	90.16666	87.42093
2161.33	90.16106	87.41276
2161.812	90.1553	87.40442
2162.294	90.14941	87.39603
2162.776	90.14342	87.38756
2163.258	90.13731	87.37903
2163.74	90.13112	87.37045
2164.222	90.12489	87.36182
2164.704	90.11858	87.35324
2165.187	90.11218	87.34479
2165.668	90.1057	87.33648
2166.151	90.09911	87.3283
2166.633	90.09244	87.32041
2167.115	90.08567	87.3129
2167.597	90.0788	87.30602
2168.079	90.07181	87.30017
2168.561	90.06473	87.29495
2169.043	90.05757	87.29009
2169.525	90.05034	87.28552
2170.008	90.04306	87.28103
2170.49	90.03574	87.27665
2170.972	90.02837	87.27238
2171.454	90.02093	87.2681
2171.936	90.01342	87.26375
2172.418	90.00586	87.25929
2172.9	89.9983	87.2547
2173.382	89.99076	87.24996
2173.865	89.98322	87.24507
2174.347	89.97573	87.23991
2174.829	89.96832	87.23438
2175.311	89.96111	87.2283
2175.793	89.95421	87.22138
2176.275	89.9475	87.21388
2176.757	89.94086	87.20597
2177.239	89.93423	87.1977



Wavenumber (cm-1)	After	Before
2177.721	89.92757	87.18918
2178.204	89.92086	87.1804
2178.686	89.91411	87.17137
2179.168	89.9073	87.16216
2179.65	89.90044	87.15289
2180.132	89.89344	87.14347
2180.614	89.88629	87.13386
2181.096	89.87896	87.12406
2181.578	89.87146	87.11406
2182.061	89.86369	87.10386
2182.543	89.85559	87.09345
2183.025	89.84701	87.0828
2183.507	89.83766	87.07182
2183.989	89.82783	87.06062
2184.471	89.81768	87.04928
2184.953	89.80727	87.0378
2185.435	89.79671	87.02626
2185.917	89.78601	87.01464
2186.4	89.77515	87.00296
2186.882	89.76421	86.99122
2187.364	89.7532	86.97939
2187.846	89.74216	86.96754
2188.328	89.73114	86.95576
2188.81	89.72015	86.94408
2189.292	89.70918	86.93246
2189.774	89.69833	86.92105
2190.257	89.68768	86.90991
2190.739	89.67736	86.8992
2191.221	89.66765	86.88927
2191.703	89.65829	86.87978
2192.185	89.64912	86.87056
2192.667	89.64011	86.86152
2193.149	89.63113	86.85253
2193.631	89.62222	86.8436
2194.114	89.61337	86.83474
2194.595	89.60453	86.82588
2195.078	89.59568	86.81699
2195.56	89.58678	86.80805
2196.042	89.5778	86.79897
2196.524	89.56874	86.78975
2197.006	89.55962	86.7804
2197.488	89.55035	86.77076
2197.97	89.54085	86.76076
2198.452	89.53102	86.75017
2198.935	89.5206	86.73862
2199.417	89.50983	86.72649
2199.899	89.49885	86.714
2200.381	89.48772	86.70124
2200.863	89.47655	86.68836
2201.345	89.46531	86.67537
2201.827	89.45403	86.66226
2202.309	89.44273	86.64909
2202.792	89.43145	86.63591
2203.274	89.42023	86.62278
2203.756	89.40909	86.60975

Wavenumber (cm-1)	After	Before
2204.238	89.39806	86.59684
2204.72	89.38712	86.58402
2205.202	89.37638	86.57146
2205.684	89.36591	86.55924
2206.166	89.35585	86.54759
2206.648	89.34647	86.53685
2207.131	89.3375	86.52669
2207.613	89.3288	86.51688
2208.095	89.3203	86.50734
2208.577	89.3119	86.49791
2209.059	89.3036	86.48863
2209.541	89.29541	86.47945
2210.023	89.28728	86.47036
2210.505	89.27915	86.4613
2210.988	89.27101	86.45223
2211.47	89.26284	86.44309
2211.952	89.25462	86.43386
2212.434	89.24637	86.42458
2212.916	89.238	86.41509
2213.398	89.22946	86.40528
2213.88	89.22065	86.39497
2214.362	89.21134	86.38378
2214.844	89.20175	86.37206
2215.327	89.19198	86.36006
2215.809	89.18206	86.34786
2216.291	89.17207	86.33564
2216.773	89.16201	86.32337
2217.255	89.15189	86.31104
2217.737	89.14173	86.29872
2218.219	89.13159	86.28643
2218.701	89.12144	86.27427
2219.184	89.11132	86.26229
2219.666	89.1012	86.25052
2220.148	89.0911	86.23894
2220.63	89.08104	86.22773
2221.112	89.07105	86.217
2221.594	89.06121	86.20705
2222.076	89.05159	86.19833
2222.558	89.04211	86.19036
2223.041	89.03271	86.18285
2223.522	89.02338	86.17571
2224.005	89.01408	86.16872
2224.487	89.00484	86.16192
2224.969	88.99564	86.15527
2225.451	88.98646	86.14864
2225.933	88.97728	86.14197
2226.415	88.96809	86.13522
2226.897	88.95892	86.12837
2227.379	88.94975	86.12139
2227.862	88.94061	86.1143
2228.344	88.93147	86.10696
2228.826	88.92232	86.09927
2229.308	88.91315	86.09106
2229.79	88.90395	86.08202
2230.272	88.89474	86.07243

Wavenumber (cm-1)	After	Before
2230.754	88.88551	86.06245
2231.236	88.87629	86.05209
2231.719	88.86705	86.04146
2232.201	88.85782	86.03057
2232.683	88.84858	86.01941
2233.165	88.83936	86.00805
2233.647	88.83015	85.99661
2234.129	88.82094	85.98502
2234.611	88.81172	85.97317
2235.093	88.80249	85.96108
2235.575	88.79325	85.94874
2236.058	88.78399	85.9361
2236.54	88.77469	85.92317
2237.022	88.76534	85.90982
2237.504	88.7559	85.89593
2237.986	88.74641	85.88168
2238.468	88.73692	85.86715
2238.95	88.72739	85.85242
2239.432	88.7179	85.83756
2239.915	88.7084	85.82255
2240.397	88.69891	85.80744
2240.879	88.68945	85.79226
2241.361	88.67999	85.77702
2241.843	88.67056	85.76177
2242.325	88.66118	85.74654
2242.807	88.65186	85.73136
2243.289	88.64259	85.71623
2243.771	88.63342	85.70126
2244.254	88.62436	85.68646
2244.736	88.61548	85.67199
2245.218	88.60687	85.65803
2245.7	88.59845	85.64441
2246.182	88.59013	85.63103
2246.664	88.58189	85.61784
2247.146	88.5737	85.60481
2247.628	88.56554	85.59191
2248.111	88.55742	85.57917
2248.593	88.54929	85.56654
2249.075	88.5411	85.55394
2249.557	88.53291	85.54144
2250.039	88.52469	85.52905
2250.521	88.51646	85.51678
2251.003	88.50819	85.50463
2251.485	88.49989	85.49262
2251.968	88.49155	85.48075
2252.449	88.48317	85.46903
2252.932	88.47475	85.45747
2253.414	88.46628	85.44607
2253.896	88.45772	85.43478
2254.378	88.44907	85.42359
2254.86	88.44029	85.41251
2255.342	88.4314	85.40151
2255.824	88.4224	85.39059
2256.306	88.4133	85.37972
2256.789	88.40414	85.36887

Wavenumber (cm-1)	After	Before
2257.271	88.39484	85.35806
2257.753	88.38535	85.34731
2258.235	88.37563	85.33663
2258.717	88.36572	85.326
2259.199	88.35551	85.31545
2259.681	88.34497	85.30497
2260.163	88.33394	85.29463
2260.646	88.32217	85.28453
2261.128	88.30992	85.27453
2261.61	88.29736	85.26457
2262.092	88.28454	85.25461
2262.574	88.27157	85.24458
2263.056	88.25845	85.23448
2263.538	88.24518	85.22432
2264.02	88.2318	85.21411
2264.502	88.21837	85.2039
2264.985	88.20491	85.19355
2265.467	88.19147	85.18299
2265.949	88.17805	85.17218
2266.431	88.16467	85.16115
2266.913	88.15141	85.14974
2267.395	88.13836	85.13786
2267.877	88.12566	85.12526
2268.359	88.11358	85.11154
2268.842	88.10184	85.09712
2269.324	88.09032	85.08225
2269.806	88.07898	85.06704
2270.288	88.0677	85.05171
2270.77	88.0565	85.0362
2271.252	88.04538	85.02056
2271.734	88.03431	85.00484
2272.216	88.02325	84.98908
2272.698	88.01216	84.97337
2273.181	88.00105	84.95782
2273.663	87.9899	84.94241
2274.145	87.97872	84.92716
2274.627	87.96744	84.91225
2275.109	87.95599	84.89782
2275.591	87.94428	84.88416
2276.073	87.93208	84.87179
2276.555	87.91959	84.86021
2277.038	87.90697	84.8491
2277.52	87.89426	84.83837
2278.002	87.88154	84.82781
2278.484	87.86881	84.81742
2278.966	87.85608	84.80722
2279.448	87.84339	84.79711
2279.93	87.83075	84.78703
2280.412	87.81821	84.77692
2280.895	87.80579	84.76672
2281.376	87.79351	84.75641
2281.859	87.78137	84.74603
2282.341	87.76946	84.73536
2282.823	87.75784	84.72431
2283.305	87.74667	84.71261

Wavenumber (cm-1)	After	Before
2283.787	87.73617	84.69977
2284.269	87.7261	84.68627
2284.751	87.71634	84.67239
2285.233	87.70681	84.65823
2285.716	87.69743	84.64399
2286.198	87.68819	84.62965
2286.68	87.6791	84.61522
2287.162	87.67012	84.60079
2287.644	87.66119	84.58642
2288.126	87.65231	84.57217
2288.608	87.64344	84.55808
2289.09	87.63459	84.54419
2289.573	87.62575	84.53046
2290.055	87.61685	84.51708
2290.537	87.60784	84.50414
2291.019	87.5986	84.49188
2291.501	87.58893	84.48075
2291.983	87.579	84.47031
2292.465	87.56896	84.46033
2292.947	87.55884	84.45072
2293.429	87.54874	84.44133
2293.912	87.53863	84.43215
2294.394	87.52851	84.42318
2294.876	87.51838	84.41432
2295.358	87.50822	84.40547
2295.84	87.49809	84.39665
2296.322	87.4881	84.38785
2296.804	87.47823	84.37906
2297.286	87.46847	84.37031
2297.769	87.45896	84.3615
2298.251	87.44979	84.35259
2298.733	87.44119	84.34347
2299.215	87.43357	84.33397
2299.697	87.42648	84.32425
2300.179	87.41967	84.31438
2300.661	87.41303	84.30435
2301.143	87.40633	84.29422
2301.625	87.3996	84.28397
2302.108	87.39282	84.27364
2302.59	87.38596	84.26325
2303.072	87.37901	84.25291
2303.554	87.3718	84.24251
2304.036	87.36418	84.23197
2304.518	87.35616	84.2213
2305	87.34773	84.21049
2305.482	87.33862	84.19945
2305.965	87.32868	84.18815
2306.447	87.31747	84.17644
2306.929	87.30427	84.16407
2307.411	87.28981	84.15134
2307.893	87.27452	84.13838
2308.375	87.25856	84.12529
2308.857	87.24225	84.11222
2309.339	87.22552	84.09912
2309.822	87.20844	84.08601

Wavenumber (cm-1)	After	Before
2310.303	87.19109	84.07282
2310.786	87.1736	84.05949
2311.268	87.15604	84.04624
2311.75	87.13852	84.03327
2312.232	87.12106	84.02059
2312.714	87.10361	84.00815
2313.196	87.08648	83.99629
2313.678	87.06982	83.98518
2314.16	87.05401	83.97534
2314.643	87.03973	83.96764
2315.125	87.02631	83.96114
2315.607	87.0134	83.95529
2316.089	87.00084	83.94985
2316.571	86.98837	83.9444
2317.053	86.97604	83.93896
2317.535	86.96378	83.93347
2318.017	86.95145	83.92775
2318.5	86.93886	83.92168
2318.982	86.92607	83.9151
2319.464	86.91312	83.90785
2319.946	86.89996	83.8999
2320.428	86.88663	83.89124
2320.91	86.87303	83.88149
2321.392	86.85909	83.87041
2321.874	86.84468	83.85745
2322.356	86.82967	83.84171
2322.839	86.81418	83.82407
2323.321	86.79823	83.80497
2323.803	86.78184	83.78457
2324.285	86.76496	83.76315
2324.767	86.74765	83.74072
2325.249	86.7299	83.71731
2325.731	86.71179	83.69317
2326.213	86.69352	83.66865
2326.696	86.67483	83.64349
2327.178	86.65553	83.61751
2327.66	86.6356	83.59072
2328.142	86.61507	83.5631
2328.624	86.59366	83.53457
2329.106	86.57127	83.50514
2329.588	86.54749	83.47461
2330.07	86.52164	83.44262
2330.552	86.49443	83.40961
2331.035	86.46635	83.37588
2331.517	86.43758	83.34155
2331.999	86.40845	83.30687
2332.481	86.37894	83.27184
2332.963	86.34913	83.23652
2333.445	86.31918	83.20099
2333.927	86.28925	83.16532
2334.409	86.2594	83.12965
2334.892	86.22972	83.09413
2335.374	86.20026	83.05883
2335.856	86.17102	83.02377
2336.338	86.14225	82.98918

Wavenumber (cm-1)	After	Before
2336.82	86.11412	82.95526
2337.302	86.08694	82.92238
2337.784	86.06126	82.89115
2338.266	86.03662	82.86104
2338.749	86.01279	82.83173
2339.23	85.98968	82.80315
2339.713	85.96719	82.77512
2340.195	85.94533	82.74767
2340.677	85.92409	82.72081
2341.159	85.90334	82.69442
2341.641	85.88288	82.66837
2342.123	85.86292	82.64276
2342.605	85.84361	82.61765
2343.087	85.82498	82.59303
2343.57	85.80705	82.56898
2344.052	85.78992	82.54541
2344.534	85.77363	82.52234
2345.016	85.75835	82.4997
2345.498	85.74446	82.47743
2345.98	85.73158	82.45562
2346.462	85.71951	82.43432
2346.944	85.70816	82.41355
2347.427	85.6974	82.39341
2347.909	85.68721	82.37383
2348.391	85.67757	82.35482
2348.873	85.66839	82.33637
2349.355	85.65958	82.31835
2349.837	85.65112	82.30094
2350.319	85.64303	82.28425
2350.801	85.63527	82.2683
2351.283	85.62784	82.25305
2351.766	85.62066	82.23871
2352.248	85.61366	82.22535
2352.73	85.60676	82.21331
2353.212	85.5998	82.20312
2353.694	85.5929	82.19417
2354.176	85.58608	82.18614
2354.658	85.57938	82.17887
2355.14	85.57278	82.17209
2355.623	85.5663	82.16581
2356.105	85.55991	82.16
2356.587	85.5536	82.15459
2357.069	85.54739	82.14947
2357.551	85.54126	82.14453
2358.033	85.53517	82.13966
2358.515	85.52911	82.13477
2358.997	85.52306	82.12993
2359.479	85.517	82.12481
2359.962	85.51093	82.11926
2360.444	85.50481	82.11287
2360.926	85.4987	82.10496
2361.408	85.49252	82.09615
2361.89	85.48627	82.08686
2362.372	85.47991	82.0772
2362.854	85.47341	82.06747

Wavenumber (cm-1)	After	Before
2363.336	85.46678	82.05758
2363.819	85.45999	82.04754
2364.301	85.45302	82.03742
2364.783	85.44586	82.02721
2365.265	85.43849	82.01707
2365.747	85.43087	82.00713
2366.229	85.42298	81.99737
2366.711	85.41482	81.98773
2367.193	85.40632	81.97858
2367.676	85.39748	81.97006
2368.157	85.38821	81.96265
2368.64	85.37844	81.95721
2369.122	85.36823	81.95284
2369.604	85.3576	81.94899
2370.086	85.34657	81.94543
2370.568	85.33513	81.94172
2371.05	85.32329	81.93791
2371.532	85.31106	81.93398
2372.014	85.29848	81.92979
2372.497	85.28565	81.9253
2372.979	85.27243	81.92025
2373.461	85.25875	81.91439
2373.943	85.24461	81.90766
2374.425	85.22999	81.90012
2374.907	85.21479	81.89121
2375.389	85.19896	81.88066
2375.872	85.1823	81.8677
2376.354	85.16451	81.85103
2376.836	85.1459	81.83193
2377.318	85.12673	81.81118
2377.8	85.10706	81.78904
2378.282	85.08703	81.76603
2378.764	85.06664	81.74212
2379.246	85.04594	81.71737
2379.729	85.02499	81.69209
2380.21	85.0039	81.66657
2380.693	84.98266	81.64079
2381.175	84.9613	81.61476
2381.657	84.93985	81.58852
2382.139	84.91832	81.56201
2382.621	84.89678	81.53556
2383.103	84.87532	81.50933
2383.585	84.85404	81.48365
2384.067	84.83314	81.45905
2384.55	84.81245	81.4351
2385.032	84.79193	81.41153
2385.514	84.77156	81.38832
2385.996	84.75133	81.36533
2386.478	84.73123	81.34256
2386.96	84.71128	81.32005
2387.442	84.69143	81.29762
2387.924	84.67159	81.27506
2388.406	84.65186	81.25263
2388.889	84.63235	81.23049
2389.371	84.61306	81.20867



Wavenumber (cm-1)	After	Before
2389.853	84.59402	81.1872
2390.335	84.57531	81.16623
2390.817	84.55698	81.14581
2391.299	84.53917	81.12621
2391.781	84.52214	81.10787
2392.263	84.50562	81.09034
2392.746	84.48947	81.07331
2393.228	84.47364	81.05668
2393.71	84.45802	81.04023
2394.192	84.44261	81.024
2394.674	84.42741	81.00794
2395.156	84.41232	80.99197
2395.638	84.39729	80.97606
2396.12	84.38234	80.96009
2396.603	84.36747	80.94398
2397.085	84.35267	80.92772
2397.567	84.33794	80.91131
2398.049	84.32323	80.89452
2398.531	84.30854	80.87724
2399.013	84.29379	80.85915
2399.495	84.27895	80.83973
2399.977	84.26405	80.8195
2400.459	84.24907	80.79873
2400.942	84.23403	80.77753
2401.424	84.21891	80.75609
2401.906	84.20372	80.73438
2402.388	84.18845	80.71243
2402.87	84.17312	80.69035
2403.352	84.15778	80.66825
2403.834	84.14233	80.6461
2404.316	84.12673	80.62389
2404.799	84.11097	80.60165
2405.281	84.09503	80.57935
2405.763	84.07883	80.55712
2406.245	84.06235	80.53499
2406.727	84.04543	80.5131
2407.209	84.02787	80.49168
2407.691	84.0099	80.47052
2408.173	83.99164	80.44951
2408.656	83.97313	80.4286
2409.137	83.95448	80.40773
2409.62	83.93565	80.38692
2410.102	83.91669	80.36614
2410.584	83.8976	80.34536
2411.066	83.87842	80.32452
2411.548	83.85918	80.30367
2412.03	83.83992	80.28281
2412.512	83.82064	80.26193
2412.994	83.80134	80.24107
2413.477	83.78207	80.22017
2413.959	83.76293	80.19926
2414.441	83.74401	80.17828
2414.923	83.72554	80.15723
2415.405	83.7073	80.13613
2415.887	83.68918	80.115

Wavenumber (cm-1)	After	Before
2416.369	83.67111	80.09384
2416.851	83.65304	80.07264
2417.333	83.63496	80.05141
2417.816	83.61689	80.03014
2418.298	83.59876	80.00887
2418.78	83.58059	79.9876
2419.262	83.56232	79.96632
2419.744	83.54395	79.94501
2420.226	83.52545	79.92365
2420.708	83.50685	79.90225
2421.19	83.48805	79.88076
2421.673	83.46901	79.85919
2422.155	83.44962	79.83746
2422.637	83.42964	79.81549
2423.119	83.40929	79.79339
2423.601	83.38872	79.7712
2424.083	83.36797	79.74899
2424.565	83.34712	79.7268
2425.047	83.32619	79.70461
2425.53	83.30518	79.68243
2426.012	83.28409	79.66023
2426.494	83.26299	79.638
2426.976	83.24189	79.61582
2427.458	83.22084	79.59377
2427.94	83.19984	79.57184
2428.422	83.17888	79.55003
2428.904	83.15804	79.52848
2429.386	83.13741	79.50726
2429.869	83.11707	79.48657
2430.351	83.09725	79.46677
2430.833	83.07777	79.44746
2431.315	83.05847	79.42844
2431.797	83.03932	79.40962
2432.279	83.02024	79.3908
2432.761	83.00124	79.37201
2433.243	82.98229	79.35323
2433.726	82.96338	79.33438
2434.208	82.94444	79.31544
2434.69	82.92549	79.2963
2435.172	82.90651	79.27691
2435.654	82.8875	79.25725
2436.136	82.86847	79.23731
2436.618	82.84936	79.21693
2437.1	82.83012	79.196
2437.583	82.81071	79.17426
2438.064	82.79099	79.15129
2438.547	82.77106	79.1275
2439.029	82.75101	79.10313
2439.511	82.73087	79.07824
2439.993	82.71066	79.05299
2440.475	82.69039	79.02738
2440.957	82.67005	79.00144
2441.439	82.64968	78.9753
2441.921	82.6293	78.94914
2442.404	82.60893	78.9228

Wavenumber (cm-1)	After	Before
2442.886	82.58852	78.89626
2443.368	82.56811	78.86948
2443.85	82.54766	78.84248
2444.332	82.52721	78.81522
2444.814	82.50676	78.78773
2445.296	82.48633	78.7599
2445.778	82.46595	78.73158
2446.26	82.4456	78.70298
2446.743	82.42527	78.67425
2447.225	82.40494	78.64546
2447.707	82.38461	78.61675
2448.189	82.3643	78.5881
2448.671	82.34398	78.55953
2449.153	82.32367	78.53103
2449.635	82.30334	78.50252
2450.117	82.28302	78.47424
2450.6	82.2627	78.44636
2451.082	82.2424	78.41889
2451.564	82.22211	78.39184
2452.046	82.20184	78.36552
2452.528	82.18159	78.34007
2453.01	82.16138	78.31594
2453.492	82.14124	78.29392
2453.974	82.12114	78.27321
2454.457	82.10106	78.25334
2454.939	82.08099	78.23415
2455.421	82.06094	78.21528
2455.903	82.04089	78.19679
2456.385	82.02084	78.17863
2456.867	82.00079	78.16065
2457.349	81.98073	78.14276
2457.831	81.96066	78.12487
2458.313	81.94057	78.10686
2458.796	81.92049	78.08869
2459.278	81.90038	78.07042
2459.76	81.88025	78.0517
2460.242	81.86008	78.03237
2460.724	81.83986	78.01202
2461.206	81.81956	77.98994
2461.688	81.79921	77.96677
2462.17	81.77882	77.94297
2462.653	81.75842	77.91866
2463.135	81.73798	77.89411
2463.617	81.71752	77.86931
2464.099	81.69704	77.84427
2464.581	81.67657	77.81913
2465.063	81.65611	77.79402
2465.545	81.63563	77.76894
2466.027	81.61513	77.74393
2466.51	81.59461	77.71898
2466.992	81.57409	77.69406
2467.474	81.55351	77.66938
2467.956	81.53292	77.64503
2468.438	81.51225	77.62125
2468.92	81.49146	77.59844

Wavenumber (cm-1)	After	Before
2469.402	81.47062	77.57623
2469.884	81.44975	77.55437
2470.366	81.42888	77.53279
2470.849	81.40804	77.51133
2471.331	81.38722	77.49002
2471.813	81.36643	77.46886
2472.295	81.34566	77.44776
2472.777	81.3249	77.42669
2473.259	81.30418	77.40562
2473.741	81.28357	77.38451
2474.223	81.26305	77.36334
2474.706	81.24262	77.34216
2475.188	81.22236	77.32086
2475.67	81.20229	77.29932
2476.152	81.1825	77.2774
2476.634	81.1632	77.25477
2477.116	81.14418	77.23176
2477.598	81.12535	77.20853
2478.08	81.10666	77.18517
2478.563	81.08803	77.16181
2479.044	81.06945	77.13842
2479.527	81.05093	77.11503
2480.009	81.03243	77.09169
2480.491	81.01395	77.06844
2480.973	80.99546	77.04531
2481.455	80.97691	77.02236
2481.937	80.95827	76.9996
2482.419	80.93958	76.97701
2482.901	80.92072	76.95474
2483.384	80.90166	76.93282
2483.866	80.88226	76.91147
2484.348	80.8623	76.89098
2484.83	80.84201	76.87104
2485.312	80.8215	76.85149
2485.794	80.80085	76.83226
2486.276	80.78012	76.81324
2486.758	80.75929	76.79443
2487.24	80.7384	76.77583
2487.723	80.71746	76.75733
2488.205	80.69652	76.73885
2488.687	80.67559	76.72044
2489.169	80.6547	76.7021
2489.651	80.63386	76.68385
2490.133	80.61304	76.66567
2490.615	80.59235	76.64755
2491.097	80.57182	76.62945
2491.58	80.55157	76.61137
2492.062	80.53178	76.59329
2492.544	80.51228	76.5752
2493.026	80.49294	76.55708
2493.508	80.47372	76.5389
2493.99	80.45454	76.52061
2494.472	80.43542	76.50226
2494.954	80.41635	76.48382
2495.437	80.39728	76.46535

Wavenumber (cm-1)	After	Before
2495.919	80.3782	76.44693
2496.401	80.35911	76.4284
2496.883	80.33995	76.40965
2497.365	80.32075	76.39065
2497.847	80.30148	76.37144
2498.329	80.2821	76.35182
2498.811	80.26254	76.3317
2499.293	80.24271	76.31083
2499.776	80.22243	76.28873
2500.258	80.20187	76.26587
2500.74	80.18115	76.24258
2501.222	80.16031	76.21899
2501.704	80.1394	76.19534
2502.186	80.11844	76.17158
2502.668	80.09743	76.14772
2503.15	80.0764	76.12383
2503.633	80.0554	76.09988
2504.115	80.03442	76.07604
2504.597	80.01349	76.05253
2505.079	79.9926	76.02934
2505.561	79.97174	76.00644
2506.043	79.95098	75.9842
2506.525	79.93034	75.96279
2507.007	79.9099	75.94274
2507.49	79.88976	75.92493
2507.971	79.8698	75.90846
2508.454	79.84999	75.89277
2508.936	79.83029	75.87767
2509.418	79.8107	75.86275
2509.9	79.79119	75.84805
2510.382	79.77177	75.83353
2510.864	79.75238	75.81906
2511.346	79.73296	75.80453
2511.828	79.71355	75.78979
2512.311	79.69424	75.77467
2512.793	79.67503	75.75916
2513.275	79.65591	75.74327
2513.757	79.63693	75.72659
2514.239	79.6181	75.70891
2514.721	79.59956	75.68962
2515.203	79.58147	75.66776
2515.685	79.56361	75.64429
2516.167	79.54588	75.61979
2516.65	79.52818	75.59446
2517.132	79.51042	75.5687
2517.614	79.49263	75.54245
2518.096	79.47478	75.51577
2518.578	79.45686	75.48883
2519.06	79.43893	75.46185
2519.542	79.42085	75.43483
2520.024	79.40249	75.40783
2520.507	79.38384	75.38088
2520.989	79.3649	75.35391
2521.471	79.34547	75.32723
2521.953	79.32543	75.301

Wavenumber (cm-1)	After	Before
2522.435	79.30444	75.27558
2522.917	79.28196	75.25156
2523.399	79.25854	75.22839
2523.881	79.23455	75.2057
2524.364	79.21011	75.18344
2524.846	79.1855	75.16137
2525.328	79.16068	75.1395
2525.81	79.13567	75.11784
2526.292	79.11057	75.09625
2526.774	79.08541	75.0746
2527.256	79.06032	75.05293
2527.738	79.03541	75.03127
2528.22	79.01071	75.00964
2528.703	78.9862	74.98804
2529.185	78.96216	74.96639
2529.667	78.93874	74.94465
2530.149	78.91637	74.92272
2530.631	78.89571	74.90044
2531.113	78.87609	74.87795
2531.595	78.85711	74.85532
2532.077	78.83862	74.83259
2532.56	78.82032	74.80978
2533.042	78.80225	74.78689
2533.524	78.78439	74.76392
2534.006	78.76665	74.74093
2534.488	78.74887	74.71797
2534.97	78.73104	74.695
2535.452	78.71306	74.67195
2535.934	78.69491	74.64883
2536.417	78.67663	74.62562
2536.898	78.65795	74.60228
2537.381	78.63875	74.57881
2537.863	78.61866	74.55513
2538.345	78.59711	74.53111
2538.827	78.57468	74.5069
2539.309	78.55171	74.48259
2539.791	78.52831	74.4582
2540.273	78.50475	74.43382
2540.755	78.48096	74.40943
2541.238	78.45698	74.38505
2541.72	78.43292	74.36068
2542.202	78.40887	74.33634
2542.684	78.38486	74.31208
2543.166	78.36095	74.28796
2543.648	78.33716	74.26397
2544.13	78.31343	74.24011
2544.612	78.28999	74.21648
2545.094	78.26692	74.19315
2545.577	78.24449	74.17024
2546.059	78.22314	74.14802
2546.541	78.20243	74.12621
2547.023	78.18212	74.1047
2547.505	78.16212	74.08343
2547.987	78.14227	74.06229
2548.469	78.12257	74.04131

Wavenumber (cm-1)	After	Before
2548.951	78.10303	74.02049
2549.434	78.08354	73.99978
2549.916	78.06403	73.97918
2550.398	78.04447	73.95863
2550.88	78.02488	73.93812
2551.362	78.00525	73.9176
2551.844	77.98559	73.8971
2552.326	77.96577	73.87652
2552.808	77.94574	73.85579
2553.291	77.92538	73.83473
2553.773	77.90443	73.81309
2554.255	77.88312	73.79114
2554.737	77.86157	73.76905
2555.219	77.83984	73.74691
2555.701	77.81798	73.72485
2556.183	77.79601	73.70283
2556.665	77.77393	73.68088
2557.147	77.75178	73.65901
2557.63	77.72964	73.63723
2558.112	77.70749	73.61563
2558.594	77.68527	73.59431
2559.076	77.66301	73.57325
2559.558	77.64069	73.55245
2560.04	77.61832	73.5321
2560.522	77.5959	73.51227
2561.004	77.57346	73.49323
2561.487	77.55099	73.47543
2561.969	77.52849	73.45842
2562.451	77.50598	73.44192
2562.933	77.48348	73.42581
2563.415	77.461	73.4099
2563.897	77.43853	73.3942
2564.379	77.41608	73.37871
2564.861	77.39365	73.36336
2565.344	77.37125	73.34808
2565.825	77.34888	73.33283
2566.308	77.3266	73.31749
2566.79	77.30437	73.30203
2567.272	77.28223	73.2865
2567.754	77.26021	73.27065
2568.236	77.23831	73.25437
2568.718	77.21659	73.23734
2569.2	77.19514	73.21903
2569.682	77.17387	73.19997
2570.165	77.15274	73.18047
2570.647	77.13173	73.16065
2571.129	77.11083	73.14076
2571.611	77.09004	73.12075
2572.093	77.06936	73.10064
2572.575	77.04874	73.08048
2573.057	77.02818	73.06033
2573.539	77.0077	73.0403
2574.021	76.9873	73.02048
2574.504	76.96699	73.00087
2574.986	76.94675	72.98145

Wavenumber (cm-1)	After	Before
2575.468	76.92664	72.96249
2575.95	76.90661	72.94412
2576.432	76.88668	72.92671
2576.914	76.86689	72.91089
2577.396	76.8472	72.89602
2577.878	76.82759	72.8817
2578.361	76.80806	72.86779
2578.843	76.78857	72.85398
2579.325	76.76915	72.84033
2579.807	76.74976	72.82681
2580.289	76.73042	72.81335
2580.771	76.71111	72.79991
2581.253	76.6918	72.78635
2581.735	76.67252	72.77248
2582.218	76.65324	72.7583
2582.7	76.63397	72.74384
2583.182	76.6147	72.72871
2583.664	76.59541	72.71274
2584.146	76.57608	72.69538
2584.628	76.55669	72.67574
2585.11	76.53725	72.65473
2585.592	76.51779	72.63292
2586.074	76.49829	72.61052
2586.557	76.47878	72.58792
2587.039	76.45922	72.5651
2587.521	76.43962	72.54208
2588.003	76.42	72.51902
2588.485	76.4003	72.496
2588.967	76.38058	72.47317
2589.449	76.36082	72.4507
2589.931	76.34103	72.42865
2590.414	76.32119	72.40696
2590.896	76.30133	72.38607
2591.378	76.28146	72.36621
2591.86	76.26159	72.34799
2592.342	76.24181	72.33244
2592.824	76.22204	72.31852
2593.306	76.20222	72.30566
2593.788	76.18233	72.29361
2594.271	76.16235	72.28198
2594.752	76.14224	72.27077
2595.235	76.12205	72.25996
2595.717	76.10173	72.24936
2596.199	76.08131	72.23872
2596.681	76.06073	72.22804
2597.163	76.03996	72.21726
2597.645	76.01898	72.20637
2598.127	75.99781	72.1954
2598.609	75.97636	72.18404
2599.092	75.95461	72.17217
2599.574	75.93243	72.15938
2600.056	75.90968	72.14511
2600.538	75.8865	72.1299
2601.02	75.86301	72.11407
2601.502	75.83925	72.09768



Wavenumber (cm-1)	After	Before
2601.984	75.81528	72.08096
2602.466	75.79112	72.06387
2602.948	75.76677	72.04643
2603.431	75.74226	72.02879
2603.913	75.71768	72.0111
2604.395	75.69298	71.99327
2604.877	75.66816	71.97521
2605.359	75.64323	71.95691
2605.841	75.61819	71.93835
2606.323	75.59305	71.91956
2606.805	75.56784	71.90053
2607.288	75.54256	71.88125
2607.77	75.51725	71.86167
2608.252	75.49188	71.84188
2608.734	75.46647	71.8219
2609.216	75.44104	71.80178
2609.698	75.4156	71.78159
2610.18	75.39015	71.76128
2610.662	75.36469	71.74088
2611.145	75.3392	71.72036
2611.627	75.31364	71.69967
2612.109	75.28807	71.67893
2612.591	75.26258	71.65826
2613.073	75.23717	71.63764
2613.555	75.21182	71.61707
2614.037	75.18667	71.59673
2614.519	75.16173	71.57668
2615.001	75.13716	71.55718
2615.484	75.11321	71.53864
2615.966	75.08962	71.52061
2616.448	75.06622	71.50284
2616.93	75.04295	71.48524
2617.412	75.01969	71.46758
2617.894	74.99645	71.44994
2618.376	74.97322	71.43224
2618.858	74.94996	71.41447
2619.341	74.92664	71.39657
2619.823	74.90323	71.37846
2620.305	74.87963	71.36002
2620.787	74.85585	71.34123
2621.269	74.83189	71.32211
2621.751	74.80763	71.30245
2622.233	74.78299	71.28209
2622.715	74.75775	71.26071
2623.198	74.73161	71.23775
2623.679	74.70489	71.21375
2624.162	74.67778	71.18909
2624.644	74.65034	71.16385
2625.126	74.6227	71.13828
2625.608	74.59486	71.11239
2626.09	74.56683	71.08618
2626.572	74.53867	71.05977
2627.054	74.51044	71.0333
2627.536	74.48214	71.00677
2628.019	74.4538	70.9802

Wavenumber (cm-1)	After	Before
2628.501	74.42543	70.95361
2628.983	74.39702	70.92698
2629.465	74.36865	70.90048
2629.947	74.34037	70.87417
2630.429	74.31232	70.84827
2630.911	74.28469	70.82305
2631.393	74.2573	70.79827
2631.875	74.23003	70.77375
2632.358	74.20284	70.74948
2632.84	74.17567	70.72536
2633.322	74.14854	70.70139
2633.804	74.1214	70.67757
2634.286	74.09424	70.65382
2634.768	74.06699	70.63004
2635.25	74.0397	70.60632
2635.732	74.01235	70.58272
2636.215	73.98496	70.55927
2636.697	73.95753	70.53596
2637.179	73.93004	70.51284
2637.661	73.90247	70.48991
2638.143	73.87479	70.46729
2638.625	73.84697	70.44508
2639.107	73.81903	70.42313
2639.589	73.791	70.40136
2640.072	73.76287	70.3797
2640.554	73.73466	70.35809
2641.036	73.70636	70.33654
2641.518	73.67797	70.31501
2642	73.64951	70.29349
2642.482	73.62096	70.2719
2642.964	73.59235	70.25026
2643.446	73.56364	70.22854
2643.928	73.53482	70.20673
2644.411	73.50591	70.18482
2644.893	73.47687	70.16276
2645.375	73.44772	70.14052
2645.857	73.41844	70.11802
2646.339	73.38899	70.09519
2646.821	73.35943	70.07208
2647.303	73.32974	70.04875
2647.785	73.29993	70.02517
2648.268	73.27001	70.00135
2648.75	73.23998	69.9773
2649.232	73.20986	69.95304
2649.714	73.17966	69.92863
2650.196	73.14943	69.90419
2650.678	73.1191	69.87957
2651.16	73.08868	69.85463
2651.642	73.05814	69.82937
2652.125	73.02749	69.8038
2652.606	72.9967	69.77773
2653.089	72.96576	69.75111
2653.571	72.93457	69.72366
2654.053	72.90302	69.69489
2654.535	72.87125	69.66533

Wavenumber (cm-1)	After	Before
2655.017	72.83934	69.63529
2655.499	72.80736	69.60493
2655.981	72.77538	69.57448
2656.463	72.74336	69.54392
2656.946	72.71135	69.51331
2657.428	72.67935	69.48272
2657.91	72.64738	69.45222
2658.392	72.61547	69.42193
2658.874	72.58369	69.39196
2659.356	72.55206	69.36236
2659.838	72.52055	69.3331
2660.32	72.4893	69.30447
2660.802	72.45834	69.27659
2661.285	72.42783	69.24986
2661.767	72.39799	69.22485
2662.249	72.36862	69.201
2662.731	72.33956	69.178
2663.213	72.31075	69.15572
2663.695	72.28212	69.134
2664.177	72.25365	69.11282
2664.659	72.22535	69.09214
2665.142	72.19716	69.07176
2665.624	72.16899	69.0514
2666.106	72.1409	69.0313
2666.588	72.11287	69.01162
2667.07	72.08491	68.99233
2667.552	72.05704	68.97344
2668.034	72.02919	68.95507
2668.516	72.00136	68.93723
2668.999	71.97353	68.92016
2669.481	71.94565	68.90426
2669.963	71.91774	68.88902
2670.445	71.88981	68.87415
2670.927	71.86187	68.85948
2671.409	71.8339	68.84471
2671.891	71.80591	68.8299
2672.373	71.77787	68.81502
2672.855	71.74982	68.80006
2673.338	71.72176	68.78513
2673.82	71.69367	68.76988
2674.302	71.66551	68.75395
2674.784	71.63725	68.73729
2675.266	71.60892	68.71992
2675.748	71.58045	68.70126
2676.23	71.55185	68.68105
2676.712	71.52303	68.65839
2677.195	71.4939	68.63184
2677.677	71.46457	68.60289
2678.159	71.43509	68.57243
2678.641	71.40547	68.54081
2679.123	71.37576	68.50868
2679.605	71.34592	68.47596
2680.087	71.31601	68.44274
2680.569	71.28603	68.40929
2681.052	71.25603	68.3758

Wavenumber (cm-1)	After	Before
2681.533	71.22601	68.34247
2682.016	71.1959	68.3095
2682.498	71.16571	68.27698
2682.98	71.13547	68.24481
2683.462	71.10513	68.21365
2683.944	71.07471	68.18378
2684.426	71.04412	68.15604
2684.908	71.01334	68.13182
2685.39	70.98242	68.10978
2685.873	70.95145	68.08914
2686.355	70.92046	68.06965
2686.837	70.88949	68.05077
2687.319	70.85854	68.03257
2687.801	70.82762	68.01501
2688.283	70.79673	67.99783
2688.765	70.76584	67.98074
2689.247	70.73505	67.96378
2689.729	70.70438	67.94692
2690.212	70.67387	67.93012
2690.694	70.64351	67.91345
2691.176	70.6134	67.89656
2691.658	70.58362	67.87927
2692.14	70.55428	67.86115
2692.622	70.5257	67.84144
2693.104	70.49757	67.82089
2693.586	70.46974	67.79986
2694.069	70.44216	67.77851
2694.551	70.41472	67.75716
2695.033	70.3874	67.73573
2695.515	70.3602	67.71423
2695.997	70.33307	67.69277
2696.479	70.30595	67.67143
2696.961	70.27884	67.65026
2697.443	70.25171	67.62936
2697.926	70.22456	67.60876
2698.408	70.19738	67.58839
2698.89	70.17009	67.56853
2699.372	70.14265	67.54932
2699.854	70.11494	67.5312
2700.336	70.08678	67.51481
2700.818	70.05834	67.49947
2701.3	70.02972	67.48473
2701.782	70.00094	67.47042
2702.265	69.97205	67.45619
2702.747	69.94307	67.44214
2703.229	69.91398	67.42822
2703.711	69.88483	67.41439
2704.193	69.85567	67.40069
2704.675	69.82648	67.38683
2705.157	69.79723	67.37257
2705.639	69.76789	67.35787
2706.122	69.73847	67.34281
2706.604	69.70897	67.32686
2707.086	69.67937	67.30978
2707.568	69.64968	67.2908

Wavenumber (cm-1)	After	Before
2708.05	69.61983	67.26865
2708.532	69.58988	67.24465
2709.014	69.55988	67.21961
2709.496	69.52983	67.19384
2709.979	69.49977	67.16801
2710.461	69.46968	67.14198
2710.943	69.43958	67.11578
2711.425	69.40945	67.08948
2711.907	69.37932	67.06303
2712.389	69.3492	67.03695
2712.871	69.31912	67.01171
2713.353	69.28911	66.98737
2713.835	69.25915	66.96381
2714.318	69.22929	66.94204
2714.8	69.19958	66.92252
2715.282	69.17013	66.90666
2715.764	69.14104	66.89693
2716.246	69.11219	66.89079
2716.728	69.08349	66.8867
2717.21	69.05489	66.88407
2717.692	69.02634	66.88169
2718.175	68.99783	66.87975
2718.656	68.96938	66.87815
2719.139	68.94096	66.87656
2719.621	68.91258	66.87481
2720.103	68.88419	66.87228
2720.585	68.85574	66.86836
2721.067	68.82726	66.86289
2721.549	68.79872	66.85604
2722.031	68.77005	66.84637
2722.513	68.7412	66.83315
2722.996	68.71203	66.81436
2723.478	68.68231	66.78657
2723.96	68.65229	66.75323
2724.442	68.62211	66.71637
2724.924	68.59182	66.67674
2725.406	68.56152	66.63578
2725.888	68.53123	66.59339
2726.37	68.50095	66.54971
2726.853	68.47069	66.5054
2727.335	68.44048	66.46119
2727.817	68.41039	66.41717
2728.299	68.38046	66.37363
2728.781	68.35069	66.3307
2729.263	68.32108	66.28823
2729.745	68.29176	66.24734
2730.227	68.26279	66.20863
2730.709	68.23434	66.1735
2731.192	68.2067	66.14428
2731.674	68.17957	66.11882
2732.156	68.1528	66.09583
2732.638	68.12633	66.07499
2733.12	68.10004	66.05552
2733.602	68.07393	66.03742
2734.084	68.04799	66.02065

Wavenumber (cm-1)	After	Before
2734.566	68.02214	66.00462
2735.049	67.99628	65.98853
2735.531	67.97046	65.97295
2736.013	67.94469	65.9582
2736.495	67.91896	65.94427
2736.977	67.89329	65.93124
2737.459	67.86763	65.91912
2737.941	67.84196	65.90787
2738.423	67.81626	65.8977
2738.906	67.79051	65.88902
2739.388	67.76472	65.88125
2739.87	67.73885	65.87402
2740.352	67.71288	65.8671
2740.834	67.68681	65.86015
2741.316	67.66061	65.85319
2741.798	67.6343	65.84616
2742.28	67.60789	65.83907
2742.762	67.58144	65.83206
2743.245	67.55484	65.82462
2743.727	67.52802	65.81624
2744.209	67.50095	65.80688
2744.691	67.47363	65.79651
2745.173	67.44594	65.78439
2745.655	67.41783	65.77013
2746.137	67.38911	65.75262
2746.619	67.35949	65.72994
2747.102	67.32926	65.704
2747.583	67.29862	65.67591
2748.066	67.26765	65.64607
2748.548	67.23646	65.6153
2749.03	67.20508	65.5835
2749.512	67.1735	65.55076
2749.994	67.14178	65.51742
2750.476	67.11	65.48383
2750.958	67.07816	65.4501
2751.44	67.0463	65.41639
2751.923	67.01443	65.38278
2752.405	66.98256	65.34918
2752.887	66.95078	65.31622
2753.369	66.91916	65.28425
2753.851	66.88785	65.25412
2754.333	66.85709	65.22723
2754.815	66.82665	65.20223
2755.297	66.79642	65.17834
2755.78	66.76633	65.15532
2756.262	66.73631	65.13261
2756.744	66.7064	65.11031
2757.226	66.67654	65.08838
2757.708	66.6467	65.06662
2758.19	66.61678	65.04482
2758.672	66.58687	65.02293
2759.154	66.55697	65.00084
2759.636	66.52708	64.97852
2760.119	66.49723	64.9561
2760.601	66.46741	64.93309

Wavenumber (cm-1)	After	Before
2761.083	66.43761	64.90929
2761.565	66.40786	64.88408
2762.047	66.37819	64.85643
2762.529	66.34856	64.8274
2763.011	66.31891	64.79763
2763.493	66.28924	64.76735
2763.976	66.2595	64.7371
2764.458	66.2297	64.70674
2764.94	66.19982	64.67631
2765.422	66.16988	64.64586
2765.904	66.13983	64.61533
2766.386	66.10968	64.58511
2766.868	66.07938	64.55562
2767.35	66.04893	64.52686
2767.833	66.01833	64.49875
2768.315	65.9875	64.47207
2768.797	65.95643	64.4472
2769.279	65.92505	64.42528
2769.761	65.89323	64.40828
2770.243	65.86109	64.39413
2770.725	65.82868	64.38162
2771.207	65.79605	64.37021
2771.689	65.76323	64.35893
2772.172	65.73019	64.34795
2772.654	65.69695	64.3372
2773.136	65.66351	64.32644
2773.618	65.62991	64.31566
2774.1	65.59613	64.3042
2774.582	65.56219	64.29145
2775.064	65.52809	64.27732
2775.546	65.49382	64.26193
2776.029	65.45943	64.24394
2776.51	65.42493	64.22273
2776.993	65.3904	64.19637
2777.475	65.35596	64.16168
2777.957	65.32145	64.12191
2778.439	65.28682	64.07901
2778.921	65.25204	64.03372
2779.403	65.21707	63.9875
2779.885	65.18189	63.94014
2780.367	65.1465	63.89178
2780.85	65.11086	63.84291
2781.332	65.07492	63.79392
2781.814	65.03871	63.7453
2782.296	65.00221	63.69765
2782.778	64.96542	63.6511
2783.26	64.92832	63.60546
2783.742	64.8909	63.56228
2784.224	64.85314	63.52231
2784.707	64.81502	63.48766
2785.189	64.77647	63.46187
2785.671	64.73754	63.44141
2786.153	64.69824	63.4242
2786.635	64.65854	63.40953
2787.117	64.61845	63.39592

Wavenumber (cm-1)	After	Before
2787.599	64.57798	63.3835
2788.081	64.5371	63.37216
2788.563	64.49584	63.36122
2789.046	64.45424	63.35001
2789.528	64.41223	63.33843
2790.01	64.36977	63.32616
2790.492	64.32686	63.3131
2790.974	64.28349	63.29943
2791.456	64.23959	63.28398
2791.938	64.19514	63.26615
2792.42	64.15006	63.24448
2792.903	64.10419	63.21649
2793.385	64.05766	63.18453
2793.867	64.0106	63.14998
2794.349	63.96303	63.11327
2794.831	63.91502	63.07534
2795.313	63.86657	63.03608
2795.795	63.81769	62.99551
2796.277	63.76841	62.95408
2796.76	63.71878	62.91226
2797.242	63.66881	62.86999
2797.724	63.61847	62.82737
2798.206	63.56779	62.78443
2798.688	63.51677	62.741
2799.17	63.46543	62.69773
2799.652	63.4138	62.65493
2800.134	63.36191	62.61343
2800.616	63.30983	62.57456
2801.099	63.25751	62.53698
2801.581	63.20492	62.49991
2802.063	63.15208	62.46304
2802.545	63.09899	62.42581
2803.027	63.04562	62.38831
2803.509	62.99199	62.35051
2803.991	62.93808	62.31224
2804.473	62.88384	62.27337
2804.956	62.82934	62.2337
2805.438	62.77462	62.19296
2805.92	62.71967	62.15114
2806.402	62.66451	62.10833
2806.884	62.60918	62.06387
2807.366	62.55372	62.01747
2807.848	62.4982	61.96822
2808.33	62.44277	61.91458
2808.813	62.38728	61.85813
2809.294	62.33164	61.7998
2809.777	62.27581	61.73996
2810.259	62.21972	61.6793
2810.741	62.16338	61.61776
2811.223	62.10677	61.55538
2811.705	62.04988	61.49246
2812.187	61.99267	61.42919
2812.669	61.93514	61.3658
2813.151	61.87724	61.30253
2813.634	61.81897	61.23946



Wavenumber (cm-1)	After	Before
2814.116	61.76034	61.17651
2814.598	61.70127	61.11437
2815.08	61.64174	61.05339
2815.562	61.58163	60.9945
2816.044	61.52081	60.93923
2816.526	61.45942	60.88609
2817.008	61.39753	60.83421
2817.49	61.33519	60.78326
2817.973	61.27246	60.7326
2818.455	61.20932	60.68235
2818.937	61.14578	60.6325
2819.419	61.08186	60.58286
2819.901	61.01757	60.53333
2820.383	60.95293	60.48366
2820.865	60.88795	60.43358
2821.347	60.82265	60.38307
2821.83	60.757	60.33227
2822.312	60.69107	60.28044
2822.794	60.62489	60.22724
2823.276	60.55855	60.17167
2823.758	60.4922	60.11198
2824.24	60.42568	60.04998
2824.722	60.35888	59.98675
2825.204	60.2918	59.92278
2825.687	60.22438	59.85901
2826.169	60.15658	59.79514
2826.651	60.08839	59.73118
2827.133	60.0197	59.6671
2827.615	59.95037	59.60248
2828.097	59.88052	59.53846
2828.579	59.81028	59.47597
2829.061	59.7396	59.41508
2829.543	59.6685	59.35559
2830.026	59.59707	59.29929
2830.508	59.52536	59.24703
2830.99	59.45359	59.20152
2831.472	59.38216	59.16741
2831.954	59.31058	59.13973
2832.436	59.23857	59.11552
2832.918	59.16598	59.09352
2833.4	59.09255	59.07137
2833.883	59.01833	59.04939
2834.365	58.94325	59.02731
2834.847	58.86728	59.00448
2835.329	58.79044	58.98061
2835.811	58.71247	58.95435
2836.293	58.63317	58.92436
2836.775	58.55251	58.89037
2837.257	58.47047	58.85261
2837.74	58.38667	58.80815
2838.221	58.3009	58.75552
2838.704	58.2126	58.6906
2839.186	58.12081	58.60649
2839.668	58.02647	58.51005
2840.15	57.93014	58.40535

Wavenumber (cm-1)	After	Before
2840.632	57.83197	58.29379
2841.114	57.73224	58.17809
2841.596	57.63108	58.05821
2842.078	57.52856	57.93443
2842.561	57.42513	57.80837
2843.043	57.32143	57.68192
2843.525	57.21686	57.55455
2844.007	57.11105	57.42631
2844.489	57.00402	57.29743
2844.971	56.89584	57.16769
2845.453	56.78609	57.03847
2845.935	56.67462	56.91063
2846.417	56.56064	56.78563
2846.9	56.44275	56.66582
2847.382	56.32265	56.5494
2847.864	56.2014	56.43539
2848.346	56.07952	56.32373
2848.828	55.95792	56.21398
2849.31	55.83652	56.10622
2849.792	55.71548	56.00056
2850.274	55.59502	55.89645
2850.757	55.47511	55.79296
2851.239	55.35654	55.69134
2851.721	55.24006	55.59243
2852.203	55.12584	55.49642
2852.685	55.01384	55.40352
2853.167	54.90545	55.3145
2853.649	54.80133	55.22976
2854.131	54.70343	55.15069
2854.614	54.61495	55.07951
2855.096	54.53278	55.014
2855.578	54.45509	54.95283
2856.06	54.38128	54.89557
2856.542	54.31009	54.84136
2857.024	54.24163	54.79015
2857.506	54.17583	54.74184
2857.988	54.11203	54.69582
2858.47	54.04953	54.65133
2858.953	53.98844	54.60872
2859.435	53.92868	54.56815
2859.917	53.8702	54.52953
2860.399	53.81314	54.49291
2860.881	53.75676	54.45806
2861.363	53.70061	54.42481
2861.845	53.64382	54.39307
2862.327	53.58485	54.36275
2862.81	53.5251	54.33367
2863.292	53.46539	54.30569
2863.774	53.40595	54.2786
2864.256	53.34727	54.25211
2864.738	53.28933	54.22631
2865.22	53.23215	54.20113
2865.702	53.1761	54.17676
2866.184	53.12164	54.15371
2866.667	53.06845	54.13101

Wavenumber (cm-1)	After	Before
2867.148	53.01636	54.10791
2867.631	52.96537	54.08431
2868.113	52.91541	54.0602
2868.595	52.86652	54.0345
2869.077	52.81876	54.00664
2869.559	52.77208	53.97493
2870.041	52.72636	53.93648
2870.523	52.68181	53.89426
2871.005	52.63853	53.85007
2871.488	52.59662	53.80459
2871.97	52.55623	53.75918
2872.452	52.51731	53.71368
2872.934	52.4799	53.66821
2873.416	52.44392	53.62322
2873.898	52.40924	53.57903
2874.38	52.37619	53.53618
2874.862	52.34503	53.49526
2875.344	52.31581	53.45641
2875.827	52.28851	53.41947
2876.309	52.26358	53.38589
2876.791	52.2412	53.35643
2877.273	52.22205	53.33311
2877.755	52.20724	53.31929
2878.237	52.19562	53.31165
2878.719	52.18647	53.30819
2879.201	52.17956	53.30825
2879.684	52.1744	53.31047
2880.166	52.17097	53.31494
2880.648	52.16919	53.32151
2881.13	52.16878	53.32946
2881.612	52.16935	53.33796
2882.094	52.17101	53.34715
2882.576	52.17373	53.35696
2883.058	52.17747	53.36728
2883.541	52.18222	53.37824
2884.023	52.18777	53.38905
2884.505	52.19396	53.39924
2884.987	52.20058	53.40792
2885.469	52.20732	53.41358
2885.951	52.21433	53.41751
2886.433	52.22168	53.42045
2886.915	52.22936	53.42255
2887.397	52.23737	53.42423
2887.88	52.24563	53.42545
2888.362	52.25409	53.42622
2888.844	52.26272	53.42689
2889.326	52.27154	53.428
2889.808	52.28042	53.42903
2890.29	52.2893	53.42964
2890.772	52.29809	53.42978
2891.254	52.30673	53.42937
2891.737	52.31516	53.42821
2892.219	52.32333	53.42622
2892.701	52.3312	53.42298
2893.183	52.33874	53.41776

Wavenumber (cm-1)	After	Before
2893.665	52.34584	53.41135
2894.147	52.35244	53.40421
2894.629	52.35844	53.39655
2895.111	52.36373	53.38874
2895.594	52.36832	53.38073
2896.075	52.37215	53.37259
2896.558	52.37527	53.36442
2897.04	52.37782	53.35628
2897.522	52.37946	53.34838
2898.004	52.37994	53.34092
2898.486	52.3792	53.33396
2898.968	52.37722	53.32747
2899.45	52.37364	53.3219
2899.932	52.36825	53.31746
2900.415	52.36047	53.31481
2900.897	52.34939	53.31497
2901.379	52.33591	53.31691
2901.861	52.32059	53.32003
2902.343	52.30364	53.32421
2902.825	52.28547	53.32921
2903.307	52.266	53.33478
2903.789	52.24523	53.34081
2904.271	52.22327	53.34667
2904.754	52.20017	53.35132
2905.236	52.17611	53.35583
2905.718	52.15131	53.36092
2906.2	52.12579	53.36656
2906.682	52.09946	53.37262
2907.164	52.07284	53.38003
2907.646	52.04617	53.38914
2908.128	52.02015	53.4016
2908.611	51.99602	53.42032
2909.093	51.9725	53.4419
2909.575	51.94884	53.46428
2910.057	51.92467	53.48634
2910.539	51.89927	53.50603
2911.021	51.87293	53.52399
2911.503	51.84566	53.54009
2911.985	51.81764	53.55463
2912.468	51.78937	53.56891
2912.95	51.75976	53.5798
2913.432	51.72792	53.58468
2913.914	51.69379	53.58328
2914.396	51.65759	53.57596
2914.878	51.61767	53.55819
2915.36	51.57331	53.52786
2915.842	51.522	53.47806
2916.324	51.45943	53.39707
2916.807	51.39026	53.29725
2917.289	51.31731	53.18599
2917.771	51.24178	53.06631
2918.253	51.16583	52.9439
2918.735	51.0893	52.81812
2919.217	51.01247	52.68957
2919.699	50.93607	52.56012

Wavenumber (cm-1)	After	Before
2920.181	50.8606	52.431
2920.664	50.78712	52.30477
2921.146	50.71674	52.1842
2921.628	50.64975	52.06995
2922.11	50.58601	51.96146
2922.592	50.52801	51.86517
2923.074	50.47706	51.78439
2923.556	50.4366	51.72803
2924.038	50.41234	51.71097
2924.521	50.39878	51.71861
2925.002	50.39267	51.7423
2925.485	50.39298	51.77905
2925.967	50.39747	51.82273
2926.449	50.40639	51.87409
2926.931	50.41962	51.93272
2927.413	50.43605	51.996
2927.895	50.45449	52.06134
2928.377	50.47513	52.12817
2928.859	50.49776	52.19513
2929.342	50.5223	52.26189
2929.824	50.54908	52.3293
2930.306	50.57665	52.39237
2930.788	50.60426	52.44851
2931.27	50.63017	52.49123
2931.752	50.65145	52.50963
2932.234	50.6709	52.51439
2932.716	50.69014	52.51184
2933.198	50.70975	52.50421
2933.681	50.73091	52.49609
2934.163	50.75336	52.48676
2934.645	50.77711	52.47645
2935.127	50.80252	52.46684
2935.609	50.82979	52.45931
2936.091	50.85932	52.45492
2936.573	50.89155	52.45509
2937.055	50.92649	52.46008
2937.538	50.96389	52.46911
2938.02	51.00504	52.48659
2938.502	51.05051	52.51468
2938.984	51.10213	52.5593
2939.466	51.16296	52.63052
2939.948	51.22974	52.71815
2940.43	51.30054	52.81611
2940.912	51.37456	52.92217
2941.395	51.45032	53.03191
2941.877	51.52795	53.14577
2942.359	51.60728	53.26334
2942.841	51.68779	53.38281
2943.323	51.7691	53.50252
2943.805	51.85059	53.62158
2944.287	51.9316	53.73862
2944.769	52.01196	53.85327
2945.251	52.0918	53.96603
2945.734	52.1695	54.07289
2946.216	52.24423	54.17177

Wavenumber (cm-1)	After	Before
2946.698	52.31381	54.25739
2947.18	52.3746	54.32096
2947.662	52.43011	54.37097
2948.144	52.48244	54.41242
2948.626	52.53226	54.44693
2949.108	52.58101	54.47791
2949.591	52.62854	54.50504
2950.073	52.67495	54.52853
2950.555	52.72091	54.55015
2951.037	52.76721	54.57189
2951.519	52.81375	54.59329
2952.001	52.86068	54.61455
2952.483	52.90807	54.63582
2952.965	52.95572	54.65662
2953.448	53.00458	54.679
2953.929	53.05516	54.70405
2954.412	53.10862	54.73415
2954.894	53.16692	54.77325
2955.376	53.22819	54.81769
2955.858	53.29134	54.86531
2956.34	53.35603	54.91551
2956.822	53.42156	54.96683
2957.304	53.48795	55.0195
2957.786	53.55517	55.07349
2958.269	53.62278	55.12812
2958.751	53.69025	55.18256
2959.233	53.75782	55.23711
2959.715	53.82557	55.29174
2960.197	53.89347	55.34647
2960.679	53.96163	55.40159
2961.161	54.02975	55.45627
2961.643	54.09768	55.5101
2962.125	54.16516	55.56211
2962.608	54.23181	55.61063
2963.09	54.29792	55.65736
2963.572	54.36364	55.70329
2964.054	54.429	55.74885
2964.536	54.49409	55.7949
2965.018	54.55885	55.84117
2965.5	54.62326	55.88767
2965.982	54.68735	55.93442
2966.465	54.75118	55.98113
2966.947	54.81466	56.02866
2967.429	54.87773	56.07777
2967.911	54.94036	56.12853
2968.393	55.00249	56.1807
2968.875	55.06412	56.23581
2969.357	55.12524	56.29453
2969.839	55.18586	56.3591
2970.322	55.24599	56.43336
2970.804	55.30556	56.51322
2971.286	55.36448	56.5962
2971.768	55.42272	56.68124
2972.25	55.48016	56.76637
2972.732	55.53685	56.8519

Wavenumber (cm-1)	After	Before
2973.214	55.59275	56.93765
2973.696	55.6479	57.02317
2974.178	55.7024	57.10844
2974.661	55.75603	57.19207
2975.143	55.80862	57.27275
2975.625	55.86012	57.35023
2976.107	55.91055	57.42476
2976.589	55.95964	57.49358
2977.071	56.00724	57.55534
2977.553	56.05296	57.60611
2978.035	56.0961	57.63924
2978.518	56.13736	57.66144
2979	56.17716	57.67672
2979.482	56.21569	57.68657
2979.964	56.25328	57.694
2980.446	56.28985	57.69857
2980.928	56.32541	57.70051
2981.41	56.36001	57.70082
2981.892	56.39357	57.70024
2982.375	56.4264	57.69981
2982.856	56.45876	57.70077
2983.339	56.49066	57.70336
2983.821	56.52203	57.70716
2984.303	56.55343	57.71536
2984.785	56.58509	57.72954
2985.267	56.61781	57.75407
2985.749	56.65294	57.79629
2986.231	56.68906	57.84885
2986.713	56.72531	57.90738
2987.196	56.76136	57.9703
2987.678	56.79651	58.03444
2988.16	56.83089	58.10017
2988.642	56.86442	58.16721
2989.124	56.89692	58.23425
2989.606	56.92833	58.30008
2990.088	56.95825	58.36416
2990.57	56.98631	58.42562
2991.052	57.01244	58.48423
2991.535	57.03672	58.54036
2992.017	57.05831	58.59125
2992.499	57.07679	58.63548
2992.981	57.09098	58.6694
2993.463	57.09889	58.68695
2993.945	57.10252	58.69403
2994.427	57.10305	58.69414
2994.909	57.1009	58.68837
2995.392	57.09686	58.67897
2995.874	57.09094	58.66592
2996.356	57.08323	58.64948
2996.838	57.07422	58.63118
2997.32	57.06448	58.61296
2997.802	57.05384	58.59382
2998.284	57.04232	58.57338
2998.766	57.02999	58.55176
2999.249	57.01679	58.5288

Wavenumber (cm-1)	After	Before
2999.731	57.00312	58.50508
3000.213	56.98922	58.48103
3000.695	56.97549	58.45696
3001.177	56.96253	58.43324
3001.659	56.94992	58.41004
3002.141	56.93743	58.38752
3002.623	56.9251	58.36615
3003.105	56.91296	58.34662
3003.588	56.90088	58.32846
3004.07	56.88887	58.31175
3004.552	56.87661	58.29569
3005.034	56.86346	58.27851
3005.516	56.85029	58.26308
3005.998	56.83776	58.25159
3006.48	56.82591	58.24426
3006.962	56.81474	58.24093
3007.445	56.8051	58.24489
3007.927	56.79736	58.25758
3008.409	56.79295	58.24288
3008.891	56.79422	58.22819
3009.373	56.79863	58.21348
3009.855	56.8046	58.19878
3010.337	56.81148	58.18408
3010.819	56.81801	58.16938
3011.302	56.82437	58.15469
3011.783	56.83043	58.13999
3012.266	56.83588	58.12528
3012.748	56.84068	58.11059
3013.23	56.84398	58.09589
3013.712	56.84496	58.08118
3014.194	56.84348	58.06648
3014.676	56.83966	58.05178
3015.158	56.83183	58.03709
3015.64	56.81913	58.02238
3016.123	56.79917	58.00768
3016.605	56.76792	57.99299
3017.087	56.7294	57.97828
3017.569	56.68605	57.96359
3018.051	56.6387	57.94888
3018.533	56.58905	57.93417
3019.015	56.53698	57.91948
3019.497	56.48266	57.90478
3019.979	56.42688	57.89008
3020.462	56.37049	57.87539
3020.944	56.31358	57.86068
3021.426	56.25647	57.84598
3021.908	56.19928	57.83128
3022.39	56.14185	57.81658
3022.872	56.08545	57.80188
3023.354	56.03078	57.78718
3023.836	55.97941	57.77248
3024.319	55.93398	57.75778
3024.801	55.89206	57.74308
3025.283	55.85223	57.72838
3025.765	55.81408	57.69839



Wavenumber (cm-1)	After	Before
3026.247	55.77667	57.6717
3026.729	55.74014	57.64869
3027.211	55.70443	57.62924
3027.693	55.66906	57.61159
3028.176	55.63338	57.59369
3028.658	55.59772	57.57636
3029.14	55.56215	57.55974
3029.622	55.52668	57.54382
3030.104	55.49149	57.52914
3030.586	55.45617	57.50806
3031.068	55.42051	57.48699
3031.55	55.38411	57.46591
3032.032	55.34627	57.44483
3032.515	55.30765	57.42375
3032.997	55.26863	57.40268
3033.479	55.22935	57.3816
3033.961	55.19008	57.36051
3034.443	55.15076	57.33943
3034.925	55.1114	57.31836
3035.407	55.07215	57.29728
3035.889	55.0331	57.2762
3036.372	54.99426	57.25512
3036.854	54.95566	57.23405
3037.336	54.9173	57.21296
3037.818	54.87914	57.19188
3038.3	54.84138	57.1708
3038.782	54.80411	57.14973
3039.264	54.76756	57.12865
3039.746	54.73217	57.10757
3040.229	54.69751	57.08649
3040.711	54.66332	57.06542
3041.193	54.62953	57.04434
3041.675	54.59596	57.02326
3042.157	54.56263	57.00218
3042.639	54.52949	56.9811
3043.121	54.49644	56.96002
3043.603	54.46335	56.93894
3044.085	54.43027	56.91786
3044.568	54.39721	56.89679
3045.05	54.36414	56.87571
3045.532	54.33108	56.85463
3046.014	54.29795	56.83355
3046.496	54.26471	56.81248
3046.978	54.23129	56.7914
3047.46	54.1976	56.77031
3047.942	54.16368	56.74923
3048.425	54.12957	56.72816
3048.906	54.09523	56.70708
3049.389	54.06064	56.686
3049.871	54.02584	56.66492
3050.353	53.99082	56.64385
3050.835	53.95568	56.62277
3051.317	53.92059	56.60169
3051.799	53.8853	56.58061
3052.281	53.8496	56.55953

Wavenumber (cm-1)	After	Before
3052.763	53.8135	56.53845
3053.246	53.77699	56.51737
3053.728	53.7398	56.49629
3054.21	53.70182	56.47522
3054.692	53.66259	56.45414
3055.174	53.62135	56.43306
3055.656	53.57893	56.41198
3056.138	53.53583	56.39091
3056.62	53.49226	56.36983
3057.103	53.44858	56.34874
3057.585	53.40479	56.32766
3058.067	53.36094	56.30659
3058.549	53.31721	56.28552
3059.031	53.27374	56.26443
3059.513	53.23062	56.24335
3059.995	53.18801	56.22228
3060.477	53.14597	56.2012
3060.959	53.10447	56.18012
3061.442	53.06387	56.15904
3061.924	53.02436	56.13796
3062.406	52.9864	56.11688
3062.888	52.95073	56.0958
3063.37	52.9167	56.07472
3063.852	52.88388	56.05365
3064.334	52.85221	56.03257
3064.816	52.82146	56.01149
3065.299	52.79162	55.99041
3065.781	52.76266	55.96934
3066.263	52.73436	55.94825
3066.745	52.70637	55.92717
3067.227	52.67901	55.90609
3067.709	52.6525	55.88502
3068.191	52.62682	55.86394
3068.673	52.60202	55.84286
3069.156	52.57824	55.82179
3069.638	52.55554	55.80071
3070.12	52.53426	55.77963
3070.602	52.51497	55.75282
3071.084	52.49701	55.726
3071.566	52.47996	55.69919
3072.048	52.46362	55.67239
3072.53	52.44768	55.64558
3073.012	52.43213	55.61877
3073.495	52.41692	55.59196
3073.977	52.40194	55.56516
3074.459	52.38709	55.53834
3074.941	52.3722	55.51153
3075.423	52.35708	55.48472
3075.905	52.34166	55.45792
3076.387	52.32595	55.43111
3076.869	52.30956	55.4043
3077.352	52.29227	55.37749
3077.833	52.27358	55.35069
3078.316	52.25261	55.32388
3078.798	52.23016	55.29707

Wavenumber (cm-1)	After	Before
3079.28	52.20669	55.27025
3079.762	52.18232	55.24345
3080.244	52.15735	55.21664
3080.726	52.13175	55.18983
3081.208	52.10553	55.16302
3081.69	52.0789	55.13622
3082.173	52.05209	55.10941
3082.655	52.02494	55.0826
3083.137	51.99737	55.05579
3083.619	51.96939	55.02898
3084.101	51.94093	55.00218
3084.583	51.91206	54.97536
3085.065	51.8828	54.94855
3085.547	51.85317	54.92175
3086.03	51.82317	54.89494
3086.512	51.79282	54.86813
3086.994	51.76215	54.84131
3087.476	51.73119	54.81452
3087.958	51.69996	54.78771
3088.44	51.66848	54.7609
3088.922	51.63676	54.73408
3089.404	51.60485	54.70728
3089.886	51.57276	54.68047
3090.369	51.54051	54.65366
3090.851	51.5081	54.62685
3091.333	51.47555	54.60005
3091.815	51.44288	54.57324
3092.297	51.4101	54.54642
3092.779	51.37721	54.51961
3093.261	51.34422	54.49281
3093.743	51.31109	54.466
3094.226	51.2779	54.43919
3094.708	51.2447	54.41238
3095.19	51.21152	54.38558
3095.672	51.17842	54.35877
3096.154	51.14539	54.33196
3096.636	51.11246	54.30514
3097.118	51.07962	54.27834
3097.6	51.04686	54.25153
3098.083	51.01428	54.22472
3098.565	50.98193	54.19791
3099.047	50.94986	54.17111
3099.529	50.91806	54.1443
3100.011	50.88666	54.11749
3100.493	50.8557	54.09068
3100.975	50.82537	54.06387
3101.457	50.79594	54.03706
3101.939	50.76717	54.01025
3102.422	50.73887	53.98344
3102.904	50.71103	53.95664
3103.386	50.68358	53.92983
3103.868	50.65646	53.90302
3104.35	50.62965	53.87621
3104.832	50.60298	53.8494
3105.314	50.57618	53.82259

Wavenumber (cm-1)	After	Before
3105.796	50.54955	53.79578
3106.279	50.52327	53.76897
3106.76	50.49734	53.74217
3107.243	50.47173	53.71536
3107.725	50.4467	53.68855
3108.207	50.42234	53.66174
3108.689	50.39908	53.63494
3109.171	50.3777	53.60812
3109.653	50.35731	53.58132
3110.135	50.33736	53.5545
3110.617	50.31757	53.5277
3111.1	50.29746	53.50089
3111.582	50.27713	53.47408
3112.064	50.25652	53.44727
3112.546	50.23563	53.42047
3113.028	50.21462	53.39366
3113.51	50.1929	53.36685
3113.992	50.16996	53.34003
3114.474	50.14573	53.31323
3114.957	50.12027	53.28642
3115.439	50.09266	53.25961
3115.921	50.06245	53.2328
3116.403	50.02827	53.206
3116.885	49.98783	53.17918
3117.367	49.94349	53.15238
3117.849	49.89667	53.12557
3118.331	49.84793	53.09876
3118.813	49.79829	53.07195
3119.296	49.74768	53.04514
3119.778	49.69621	53.01833
3120.26	49.64431	52.99153
3120.742	49.59238	52.96472
3121.224	49.54065	52.93791
3121.706	49.48947	52.9111
3122.188	49.43893	52.8843
3122.67	49.38895	52.85748
3123.153	49.34046	52.83067
3123.635	49.29398	52.80386
3124.117	49.25075	52.77706
3124.599	49.21285	52.75025
3125.081	49.1783	52.72344
3125.563	49.14596	52.69663
3126.045	49.11548	52.66983
3126.527	49.08613	52.64301
3127.01	49.05792	52.6162
3127.492	49.03081	52.58939
3127.974	49.00428	52.56259
3128.456	48.97771	52.53578
3128.938	48.95146	52.50897
3129.42	48.9257	52.48216
3129.902	48.9004	52.45536
3130.384	48.87564	52.42854
3130.866	48.85127	52.40173
3131.349	48.82716	52.37492
3131.831	48.80324	52.34812

Wavenumber (cm-1)	After	Before
3132.313	48.77946	52.32131
3132.795	48.75575	52.2945
3133.277	48.73203	52.26769
3133.759	48.7082	52.24089
3134.241	48.6841	52.21408
3134.723	48.65979	52.18726
3135.206	48.63525	52.16045
3135.688	48.61061	52.13365
3136.17	48.58619	52.10684
3136.652	48.56142	52.08003
3137.134	48.53584	52.05322
3137.616	48.50939	52.02642
3138.098	48.48209	51.99961
3138.58	48.45328	51.97279
3139.063	48.42264	51.94598
3139.544	48.38913	51.91919
3140.027	48.35101	51.89237
3140.509	48.31009	51.86556
3140.991	48.26748	51.83875
3141.473	48.22364	51.81195
3141.955	48.17943	51.78514
3142.437	48.13471	51.75833
3142.919	48.08955	51.73151
3143.401	48.04416	51.70472
3143.884	47.99859	51.6779
3144.366	47.95337	51.65109
3144.848	47.90903	51.62428
3145.33	47.86566	51.59748
3145.812	47.82314	51.57067
3146.294	47.7826	51.54386
3146.776	47.74461	51.51704
3147.258	47.71078	51.49025
3147.74	47.68386	51.46344
3148.223	47.66106	51.43662
3148.705	47.64073	51.40981
3149.187	47.62226	51.38302
3149.669	47.60439	51.3562
3150.151	47.58731	51.32939
3150.633	47.57091	51.30258
3151.115	47.55475	51.27578
3151.597	47.53851	51.24897
3152.08	47.52179	51.22215
3152.562	47.50409	51.19534
3153.044	47.48531	51.16855
3153.526	47.4656	51.14173
3154.008	47.44368	51.11492
3154.49	47.4189	51.08811
3154.972	47.38952	51.06131
3155.454	47.35258	51.0345
3155.937	47.31101	51.00769
3156.419	47.26656	50.98087
3156.901	47.21983	50.95408
3157.383	47.17207	50.92726
3157.865	47.12314	50.90045
3158.347	47.07315	50.87364

Wavenumber (cm-1)	After	Before
3158.829	47.02266	50.84684
3159.311	46.97222	50.82003
3159.793	46.92194	50.79322
3160.276	46.87207	50.7664
3160.758	46.82272	50.73961
3161.24	46.77373	50.71279
3161.722	46.72607	50.68598
3162.204	46.68027	50.65917
3162.686	46.63758	50.63237
3163.168	46.60007	50.60556
3163.65	46.56577	50.57875
3164.133	46.53349	50.55194
3164.615	46.50287	50.52514
3165.097	46.47312	50.49833
3165.579	46.44432	50.47151
3166.061	46.41642	50.4447
3166.543	46.38898	50.4179
3167.025	46.3615	50.39109
3167.507	46.33415	50.36428
3167.99	46.30695	50.33746
3168.471	46.27988	50.31067
3168.954	46.25305	50.28386
3169.436	46.22606	50.25705
3169.918	46.1987	50.23023
3170.4	46.17054	50.20343
3170.882	46.14088	50.17662
3171.364	46.11036	50.14981
3171.846	46.07933	50.123
3172.328	46.04787	50.0962
3172.811	46.0162	50.06939
3173.293	45.98431	50.04257
3173.775	45.95218	50.01576
3174.257	45.91999	49.98896
3174.739	45.88795	49.96216
3175.221	45.85587	49.93535
3175.703	45.82366	49.90853
3176.185	45.79131	49.88173
3176.667	45.75876	49.85492
3177.15	45.72601	49.82811
3177.632	45.69305	49.8013
3178.114	45.65982	49.7745
3178.596	45.62618	49.74769
3179.078	45.59229	49.72087
3179.56	45.55823	49.69406
3180.042	45.52405	49.66726
3180.524	45.48983	49.64045
3181.007	45.45557	49.61364
3181.489	45.42126	49.58683
3181.971	45.38691	49.56003
3182.453	45.3525	49.53322
3182.935	45.31812	49.50641
3183.417	45.28386	49.47959
3183.899	45.24973	49.45279
3184.381	45.21573	49.42598
3184.864	45.182	49.39917

Wavenumber (cm-1)	After	Before
3185.346	45.14862	49.37235
3185.828	45.11583	49.34556
3186.31	45.084	49.31875
3186.792	45.05273	49.29194
3187.274	45.02181	49.26514
3187.756	44.99113	49.23974
3188.238	44.96052	49.21434
3188.72	44.93	49.18895
3189.203	44.89956	49.16355
3189.685	44.86914	49.13815
3190.167	44.83868	49.11276
3190.649	44.80813	49.08736
3191.131	44.77742	49.06196
3191.613	44.74653	49.03656
3192.095	44.71548	49.01116
3192.577	44.68409	48.98578
3193.06	44.65226	48.96038
3193.542	44.61974	48.93498
3194.024	44.58612	48.90959
3194.506	44.55181	48.88419
3194.988	44.51705	48.85879
3195.47	44.48193	48.83339
3195.952	44.44659	48.80799
3196.434	44.41107	48.7826
3196.917	44.37537	48.7572
3197.398	44.3396	48.7318
3197.881	44.30392	48.70641
3198.363	44.26826	48.68102
3198.845	44.23258	48.65561
3199.327	44.19688	48.63021
3199.809	44.16117	48.60481
3200.291	44.12547	48.57943
3200.773	44.0898	48.55402
3201.255	44.05418	48.52863
3201.738	44.01856	48.50324
3202.22	43.98303	48.47784
3202.702	43.94764	48.45244
3203.184	43.91243	48.42704
3203.666	43.87749	48.40164
3204.148	43.84279	48.37625
3204.63	43.80834	48.35085
3205.112	43.77409	48.32545
3205.594	43.73991	48.30007
3206.077	43.70605	48.27467
3206.559	43.67268	48.24927
3207.041	43.63982	48.22386
3207.523	43.60746	48.19846
3208.005	43.57588	48.17307
3208.487	43.54521	48.14768
3208.969	43.51588	48.12228
3209.451	43.48861	48.09689
3209.934	43.46264	48.07149
3210.416	43.44061	48.04609
3210.898	43.41859	48.02069
3211.38	43.39656	47.99529

Wavenumber (cm-1)	After	Before
3211.862	43.37453	47.9699
3212.344	43.35251	47.9445
3212.826	43.33049	47.9191
3213.308	43.30846	47.89372
3213.791	43.28643	47.86832
3214.273	43.2644	47.84292
3214.755	43.24237	47.81751
3215.237	43.22036	47.79212
3215.719	43.19833	47.76672
3216.201	43.1763	47.74133
3216.683	43.15428	47.71593
3217.165	43.13225	47.69054
3217.647	43.11022	47.66514
3218.13	43.08819	47.63974
3218.612	43.06616	47.61434
3219.094	43.04414	47.58894
3219.576	43.02211	47.56355
3220.058	43.00008	47.53816
3220.54	42.97807	47.51275
3221.022	42.95604	47.48737
3221.504	42.93401	47.46197
3221.987	42.91198	47.43657
3222.469	42.88995	47.41869
3222.951	42.86793	47.40081
3223.433	42.8459	47.38294
3223.915	42.82387	47.36508
3224.397	42.80186	47.3472
3224.879	42.77983	47.32932
3225.361	42.7578	47.31145
3225.844	42.73577	47.29358
3226.325	42.71374	47.2757
3226.808	42.69172	47.25783
3227.29	42.66969	47.23995
3227.772	42.64766	47.22208
3228.254	42.62564	47.20421
3228.736	42.60361	47.18633
3229.218	42.58158	47.16846
3229.7	42.55956	47.15059
3230.182	42.53753	47.13271
3230.665	42.51551	47.11484
3231.147	42.49348	47.09696
3231.629	42.47145	47.0791
3232.111	42.44943	47.06123
3232.593	42.4274	47.04335
3233.075	42.40537	47.02547
3233.557	42.38335	47.00761
3234.039	42.36131	46.98973
3234.521	42.33929	46.97186
3235.004	42.31727	46.95398
3235.486	42.29524	46.93611
3235.968	42.27322	46.91824
3236.45	42.25119	46.90036
3236.932	42.22916	46.88249
3237.414	42.20713	46.86462
3237.896	42.1851	46.84674



Wavenumber (cm-1)	After	Before
3238.378	42.16309	46.82887
3238.861	42.14106	46.811
3239.343	42.11903	46.79313
3239.825	42.09701	46.77525
3240.307	42.07498	46.75737
3240.789	42.05295	46.73951
3241.271	42.03092	46.72163
3241.753	42.0089	46.70376
3242.235	41.98688	46.68588
3242.718	41.96484	46.66802
3243.2	41.94282	46.65014
3243.682	41.9208	46.63226
3244.164	41.89877	46.61439
3244.646	41.87674	46.59652
3245.128	41.85471	46.57864
3245.61	41.83268	46.56077
3246.092	41.81066	46.54289
3246.574	41.78864	46.52503
3247.057	41.76661	46.50715
3247.539	41.74459	46.48928
3248.021	41.72256	46.4714
3248.503	41.70053	46.45353
3248.985	41.6785	46.43566
3249.467	41.65647	46.41778
3249.949	41.63445	46.3999
3250.431	41.61242	46.38204
3250.914	41.59039	46.36416
3251.396	41.56837	46.34629
3251.878	41.54635	46.32841
3252.36	41.52432	46.31055
3252.842	41.50229	46.29267
3253.324	41.48026	46.2748
3253.806	41.45824	46.25692
3254.288	41.43621	46.23906
3254.771	41.41418	46.22118
3255.252	41.39217	46.2033
3255.735	41.37013	46.18543
3256.217	41.3481	46.16756
3256.699	41.32608	46.14968
3257.181	41.30405	46.13181
3257.663	41.28203	46.11393
3258.145	41.26	46.09606
3258.627	41.23797	46.07819
3259.109	41.21595	46.06032
3259.592	41.19392	46.04244
3260.074	41.1719	46.02458
3260.556	41.14986	46.0067
3261.038	41.12784	45.98882
3261.52	41.10582	45.97095
3262.002	41.08379	45.95308
3262.484	41.06176	45.9352
3262.966	41.03974	45.91732
3263.448	41.01771	45.89945
3263.931	40.99568	45.88159
3264.413	40.97366	45.86371

Wavenumber (cm-1)	After	Before
3264.895	40.95162	45.84583
3265.377	40.92961	45.82796
3265.859	40.90758	45.81009
3266.341	40.88555	45.79221
3266.823	40.86353	45.77434
3267.305	40.8415	45.75647
3267.788	40.81947	45.7386
3268.27	40.79744	45.72072
3268.752	40.77541	45.70285
3269.234	40.7534	45.68498
3269.716	40.73137	45.6671
3270.198	40.7186	45.64923
3270.68	40.70584	45.63136
3271.162	40.69307	45.61349
3271.645	40.68031	45.59561
3272.127	40.66754	45.57774
3272.609	40.65478	45.56587
3273.091	40.64201	45.554
3273.573	40.62925	45.54213
3274.055	40.61648	45.53026
3274.537	40.60372	45.51839
3275.019	40.59095	45.50652
3275.501	40.57819	45.49465
3275.984	40.56542	45.48278
3276.466	40.55266	45.47092
3276.948	40.53989	45.45905
3277.43	40.52713	45.44717
3277.912	40.51436	45.4353
3278.394	40.5016	45.42344
3278.876	40.48883	45.41157
3279.358	40.47607	45.3997
3279.841	40.4633	45.38783
3280.323	40.45054	45.37596
3280.805	40.43777	45.36409
3281.287	40.42501	45.35222
3281.769	40.41224	45.34035
3282.251	40.39948	45.32848
3282.733	40.38672	45.31661
3283.215	40.37395	45.30474
3283.698	40.36118	45.29287
3284.179	40.34842	45.28101
3284.662	40.33566	45.26914
3285.144	40.32289	45.25727
3285.626	40.31012	45.2454
3286.108	40.29736	45.23353
3286.59	40.2846	45.22166
3287.072	40.27183	45.20979
3287.554	40.25906	45.19792
3288.036	40.2463	45.18606
3288.519	40.23354	45.17419
3289.001	40.22077	45.16231
3289.483	40.208	45.15044
3289.965	40.19524	45.13858
3290.447	40.18248	45.12671
3290.929	40.16971	45.11484

Wavenumber (cm-1)	After	Before
3291.411	40.15694	45.10297
3291.893	40.14419	45.0911
3292.375	40.13142	45.07923
3292.858	40.11865	45.06736
3293.34	40.10589	45.05549
3293.822	40.09313	45.04363
3294.304	40.08036	45.03175
3294.786	40.0676	45.01988
3295.268	40.05483	45.00801
3295.75	40.04207	44.99615
3296.232	40.0293	44.98428
3296.715	40.01654	44.97241
3297.197	40.00377	44.96053
3297.679	39.99101	44.94867
3298.161	39.97824	44.9368
3298.643	39.96548	44.92493
3299.125	39.95271	44.91306
3299.607	39.93995	44.90119
3300.089	39.92719	44.88932
3300.572	39.91442	44.87745
3301.054	39.90165	44.86558
3301.536	39.88889	44.85372
3302.018	39.87612	44.84185
3302.5	39.86336	44.82998
3302.982	39.85059	44.8181
3303.464	39.83783	44.80624
3303.946	39.82507	44.79437
3304.428	39.8123	44.7825
3304.911	39.79953	44.77063
3305.393	39.78677	44.75877
3305.875	39.77401	44.7469
3306.357	39.76124	44.73502
3306.839	39.74847	44.72315
3307.321	39.73571	44.71129
3307.803	39.72295	44.69942
3308.285	39.71018	44.68755
3308.768	39.69741	44.67568
3309.25	39.68465	44.66381
3309.732	39.67189	44.65194
3310.214	39.65912	44.64007
3310.696	39.64635	44.6282
3311.178	39.63359	44.61633
3311.66	39.62083	44.60446
3312.142	39.60806	44.59259
3312.625	39.5953	44.58072
3313.106	39.58253	44.56886
3313.589	39.56977	44.55698
3314.071	39.557	44.54511
3314.553	39.54424	44.53324
3315.035	39.53148	44.52138
3315.517	39.51871	44.50951
3315.999	39.50594	44.49764
3316.481	39.49318	44.48577
3316.963	39.48042	44.4739
3317.446	39.46765	44.46203

Wavenumber (cm-1)	After	Before
3317.928	39.45488	44.45016
3318.41	39.44212	44.4383
3318.892	39.42936	44.42642
3319.374	39.41659	44.41456
3319.856	39.40382	44.40269
3320.338	39.39106	44.39082
3320.82	39.3783	44.37895
3321.302	39.36553	44.36708
3321.785	39.35277	44.35521
3322.267	39.34	44.34334
3322.749	39.32724	44.33148
3323.231	39.31447	44.3196
3323.713	39.30171	44.30773
3324.195	39.28894	44.29587
3324.677	39.27618	44.284
3325.159	39.26341	44.27213
3325.642	39.25065	44.26025
3326.124	39.23788	44.24839
3326.606	39.22512	44.23652
3327.088	39.21236	44.22465
3327.57	39.19958	44.21278
3328.052	39.18682	44.20091
3328.534	39.17406	44.18904
3329.016	39.16129	44.17717
3329.499	39.14853	44.1653
3329.981	39.13576	44.15344
3330.463	39.123	44.14156
3330.945	39.11023	44.12969
3331.427	39.09747	44.11782
3331.909	39.08471	44.10596
3332.391	39.07195	44.09409
3332.873	39.05918	44.08222
3333.355	39.04641	44.07035
3333.838	39.03365	44.05848
3334.32	39.02089	44.04661
3334.802	39.00812	44.03474
3335.284	38.99535	44.02287
3335.766	38.98258	44.011
3336.248	38.96983	43.99913
3336.73	38.95706	43.98726
3337.212	38.94429	43.97539
3337.695	38.93153	43.96353
3338.177	38.91877	43.95166
3338.659	38.906	43.93979
3339.141	38.89323	43.92792
3339.623	38.88047	43.91605
3340.105	38.86771	43.90418
3340.587	38.85494	43.89231
3341.069	38.84217	43.88044
3341.552	38.82941	43.86858
3342.033	38.81665	43.85671
3342.516	38.80388	43.84484
3342.998	38.79111	43.83297
3343.48	38.77835	43.82110
3343.962	38.76559	43.80923

Wavenumber (cm-1)	After	Before
3344.444	38.75282	43.822
3344.926	38.74006	43.81506
3345.408	38.72729	43.80812
3345.89	38.71453	43.80118
3346.373	38.70176	43.79424
3346.855	38.689	43.7873
3347.337	38.67623	43.78036
3347.819	38.66347	43.77342
3348.301	38.6507	43.76647
3348.783	38.63794	43.75953
3349.265	38.62517	43.75259
3349.747	38.61744	43.74565
3350.229	38.60972	43.73871
3350.712	38.602	43.73177
3351.194	38.59428	43.72483
3351.676	38.58655	43.71788
3352.158	38.57882	43.71095
3352.64	38.5711	43.704
3353.122	38.56337	43.69706
3353.604	38.55565	43.69012
3354.086	38.54792	43.68318
3354.569	38.5402	43.67624
3355.051	38.53248	43.6693
3355.533	38.52475	43.66236
3356.015	38.51702	43.65542
3356.497	38.5093	43.64848
3356.979	38.50158	43.64154
3357.461	38.49385	43.63459
3357.943	38.48613	43.62765
3358.426	38.4784	43.62071
3358.908	38.47068	43.61377
3359.39	38.46295	43.60683
3359.872	38.45523	43.59989
3360.354	38.4475	43.59295
3360.836	38.43978	43.58601
3361.318	38.43206	43.57907
3361.8	38.42433	43.57213
3362.282	38.4166	43.56519
3362.765	38.40888	43.55824
3363.247	38.40115	43.5513
3363.729	38.39343	43.54436
3364.211	38.3857	43.53742
3364.693	38.37798	43.53048
3365.175	38.37026	43.52354
3365.657	38.36253	43.5166
3366.139	38.3548	43.50966
3366.622	38.34708	43.50272
3367.104	38.33936	43.49577
3367.586	38.33163	43.48883
3368.068	38.32391	43.48189
3368.55	38.31618	43.47495
3369.032	38.30846	43.46801
3369.514	38.30074	43.46994
3369.996	38.29301	43.47187
3370.479	38.28529	43.4738

Wavenumber (cm-1)	After	Before
3370.961	38.27756	43.47573
3371.443	38.26984	43.47766
3371.925	38.26211	43.47959
3372.407	38.25438	43.48151
3372.889	38.24666	43.48345
3373.371	38.23894	43.48538
3373.853	38.23121	43.48731
3374.335	38.22349	43.48924
3374.818	38.21577	43.49117
3375.3	38.20804	43.4931
3375.782	38.20031	43.49503
3376.264	38.19259	43.49696
3376.746	38.18486	43.49889
3377.228	38.17714	43.5064
3377.71	38.16941	43.51392
3378.192	38.16169	43.52143
3378.675	38.15397	43.52895
3379.156	38.14624	43.53646
3379.639	38.13851	43.54398
3380.121	38.13079	43.55148
3380.603	38.12307	43.559
3381.085	38.11535	43.56652
3381.567	38.10762	43.57403
3382.049	38.10309	43.58154
3382.531	38.09856	43.58906
3383.013	38.09403	43.59657
3383.496	38.0895	43.60409
3383.978	38.08498	43.6116
3384.46	38.08045	43.61911
3384.942	38.07592	43.62663
3385.424	38.07139	43.63414
3385.906	38.06686	43.64166
3386.388	38.06233	43.64917
3386.87	38.0578	43.65669
3387.353	38.05328	43.6642
3387.835	38.04874	43.67171
3388.317	38.04422	43.67923
3388.799	38.03969	43.68675
3389.281	38.03516	43.69426
3389.763	38.04854	43.70177
3390.245	38.06191	43.70929
3390.727	38.07529	43.7168
3391.209	38.08866	43.72432
3391.692	38.10203	43.73183
3392.174	38.11541	43.73934
3392.656	38.12877	43.74686
3393.138	38.14215	43.75437
3393.62	38.15553	43.76188
3394.102	38.1689	43.76939
3394.584	38.18227	43.77691
3395.066	38.19564	43.78443
3395.549	38.20902	43.79194
3396.031	38.22239	43.79945
3396.513	38.23576	43.80697
3396.995	38.24914	43.82035

Wavenumber (cm-1)	After	Before
3397.477	38.26251	43.83373
3397.959	38.27589	43.8471
3398.441	38.28926	43.86048
3398.923	38.30263	43.87386
3399.406	38.31601	43.88724
3399.888	38.32938	43.90061
3400.37	38.34275	43.91399
3400.852	38.35612	43.92737
3401.334	38.3695	43.94075
3401.816	38.38287	43.95413
3402.298	38.39625	43.9675
3402.78	38.40961	43.98089
3403.262	38.42299	43.99426
3403.745	38.43636	44.00764
3404.227	38.44973	44.02102
3404.709	38.46311	44.03439
3405.191	38.47649	44.04778
3405.673	38.48986	44.06115
3406.155	38.50323	44.07453
3406.637	38.5166	44.08791
3407.119	38.52998	44.10129
3407.602	38.54335	44.11466
3408.083	38.55672	44.12804
3408.566	38.5701	44.14142
3409.048	38.58347	44.1548
3409.53	38.59684	44.16817
3410.012	38.61022	44.18155
3410.494	38.62359	44.19493
3410.976	38.63696	44.20831
3411.458	38.65034	44.22168
3411.94	38.66371	44.23506
3412.423	38.67708	44.24844
3412.905	38.69046	44.26183
3413.387	38.70383	44.27519
3413.869	38.71721	44.28858
3414.351	38.73058	44.30196
3414.833	38.74395	44.31534
3415.315	38.75732	44.32871
3415.797	38.77069	44.34209
3416.28	38.78407	44.35547
3416.762	38.79744	44.36885
3417.244	38.81082	44.38222
3417.726	38.82419	44.3956
3418.208	38.83756	44.40898
3418.69	38.85094	44.42236
3419.172	38.86432	44.43573
3419.654	38.87768	44.44911
3420.136	38.89106	44.46249
3420.619	38.90443	44.47587
3421.101	38.91781	44.48924
3421.583	38.93118	44.50263
3422.065	38.94455	44.516
3422.547	38.95792	44.52938
3423.029	38.9713	44.54276
3423.511	38.98467	44.55614

Wavenumber (cm-1)	After	Before
3423.993	38.99804	44.56952
3424.476	39.01142	44.58289
3424.958	39.0248	44.59627
3425.44	39.03817	44.60965
3425.922	39.05154	44.62302
3426.404	39.06491	44.63641
3426.886	39.09145	44.64978
3427.368	39.118	44.66316
3427.85	39.14454	44.67654
3428.333	39.17107	44.68992
3428.815	39.19761	44.70329
3429.297	39.22416	44.71667
3429.779	39.2507	44.73005
3430.261	39.27723	44.74343
3430.743	39.30377	44.7568
3431.225	39.33031	44.77018
3431.707	39.35686	44.78356
3432.189	39.38338	44.79694
3432.672	39.40993	44.81032
3433.154	39.43647	44.82369
3433.636	39.46301	44.83708
3434.118	39.48954	44.85045
3434.6	39.51608	44.86383
3435.082	39.54263	44.87721
3435.564	39.56917	44.89058
3436.046	39.5957	44.90397
3436.529	39.62225	44.91734
3437.01	39.64879	44.93691
3437.493	39.67533	44.95648
3437.975	39.70186	44.97604
3438.457	39.7284	44.99561
3438.939	39.75494	45.01518
3439.421	39.78149	45.03475
3439.903	39.80802	45.05431
3440.385	39.83456	45.07389
3440.867	39.8611	45.09346
3441.35	39.88764	45.11303
3441.832	39.91417	45.13259
3442.314	39.94072	45.15216
3442.796	39.96726	45.17173
3443.278	39.9938	45.19129
3443.76	40.02034	45.21086
3444.242	40.04688	45.23044
3444.724	40.09177	45.25001
3445.207	40.13747	45.26958
3445.689	40.184	45.28914
3446.171	40.23128	45.30871
3446.653	40.27964	45.32828
3447.135	40.32798	45.34784
3447.617	40.37567	45.36742
3448.099	40.42149	45.38699
3448.581	40.46333	45.40656
3449.063	40.50314	45.42613
3449.546	40.54205	45.44569
3450.028	40.58043	45.46526



Wavenumber (cm-1)	After	Before
3450.51	40.61906	45.48483
3450.992	40.65778	45.5044
3451.474	40.69659	45.52396
3451.956	40.7358	45.54353
3452.438	40.77571	45.56311
3452.92	40.81634	45.58268
3453.403	40.85782	45.60224
3453.885	40.90016	45.62181
3454.367	40.94318	45.64138
3454.849	40.98751	45.66094
3455.331	41.03347	45.68052
3455.813	41.08189	45.70009
3456.295	41.13424	45.71966
3456.777	41.18898	45.73923
3457.26	41.24518	45.75879
3457.742	41.30245	45.77836
3458.224	41.36002	45.79794
3458.706	41.41805	45.81749
3459.188	41.47647	45.83706
3459.67	41.53517	45.85664
3460.152	41.59418	45.87621
3460.634	41.65293	45.89578
3461.116	41.71088	45.91534
3461.599	41.76794	45.93491
3462.081	41.82423	45.96841
3462.563	41.87864	46.00191
3463.045	41.93064	46.0354
3463.527	41.97861	46.0689
3464.009	42.01985	46.1024
3464.491	42.05713	46.1359
3464.973	42.09213	46.16939
3465.456	42.12551	46.20289
3465.938	42.15855	46.2364
3466.42	42.19104	46.2699
3466.902	42.22311	46.30338
3467.384	42.25513	46.33688
3467.866	42.28732	46.37039
3468.348	42.32026	46.40389
3468.83	42.3546	46.43737
3469.313	42.39044	46.47088
3469.794	42.42762	46.50438
3470.277	42.46762	46.53788
3470.759	42.51118	46.57138
3471.241	42.56038	46.60487
3471.723	42.61871	46.63837
3472.205	42.68266	46.67187
3472.687	42.75013	46.70538
3473.169	42.82037	46.73886
3473.651	42.89188	46.77236
3474.134	42.9648	46.80586
3474.616	43.039	46.83936
3475.098	43.11385	46.87285
3475.58	43.18874	46.90635
3476.062	43.26343	46.93986
3476.544	43.33751	46.97336

Wavenumber (cm-1)	After	Before
3477.026	43.41084	47.00684
3477.508	43.48362	47.04035
3477.99	43.55451	47.07385
3478.473	43.62284	47.10735
3478.955	43.6869	47.14084
3479.437	43.74382	47.17434
3479.919	43.79636	47.20784
3480.401	43.84616	47.24134
3480.883	43.89372	47.27483
3481.365	43.94008	47.30833
3481.847	43.98523	47.34183
3482.33	44.02928	47.37534
3482.812	44.07295	47.40882
3483.294	44.11718	47.44232
3483.776	44.16145	47.47582
3484.258	44.20555	47.5258
3484.74	44.24953	47.57579
3485.222	44.2933	47.62579
3485.704	44.3371	47.67579
3486.187	44.38111	47.72576
3486.669	44.42541	47.77576
3487.151	44.47006	47.82575
3487.633	44.51525	47.87575
3488.115	44.5611	47.92572
3488.597	44.60786	47.97572
3489.079	44.65591	48.02572
3489.561	44.70498	48.07572
3490.043	44.75512	48.12569
3490.526	44.80593	48.17569
3491.008	44.85653	48.22569
3491.49	44.90835	48.27568
3491.972	44.96249	48.32565
3492.454	45.01904	48.37565
3492.936	45.0779	48.42565
3493.418	45.14076	48.47565
3493.9	45.20834	48.52564
3494.383	45.28328	48.57562
3494.865	45.37005	48.62561
3495.347	45.46387	48.67561
3495.829	45.56184	48.72561
3496.311	45.66271	48.77558
3496.793	45.76417	48.82558
3497.275	45.86656	48.87557
3497.757	45.96965	48.92558
3498.24	46.07291	48.97554
3498.721	46.1762	49.02554
3499.204	46.278	49.07554
3499.686	46.37681	49.12554
3500.168	46.47233	49.17551
3500.65	46.56485	49.22551
3501.132	46.65121	49.27551
3501.614	46.72988	49.32551
3502.096	46.79637	49.37547
3502.578	46.84319	49.42547
3503.061	46.87788	49.47547

Wavenumber (cm-1)	After	Before
3503.543	46.90494	49.52547
3504.025	46.92599	49.57544
3504.507	46.9442	49.62544
3504.989	46.95935	49.67544
3505.471	46.97174	49.72543
3505.953	46.98292	49.77541
3506.435	46.99445	49.82541
3506.917	47.0065	49.8754
3507.4	47.01969	49.9254
3507.882	47.03429	49.97537
3508.364	47.04999	50.02537
3508.846	47.06918	50.07537
3509.328	47.09316	50.12536
3509.81	47.12491	50.17534
3510.292	47.16937	50.22533
3510.774	47.222	50.27533
3511.257	47.28013	50.32533
3511.739	47.34306	50.3753
3512.221	47.40919	50.4253
3512.703	47.47855	50.4753
3513.185	47.55105	50.52529
3513.667	47.62547	50.57526
3514.149	47.70012	50.62526
3514.631	47.77627	50.67526
3515.114	47.85459	50.72526
3515.596	47.93508	50.77525
3516.078	48.01796	50.82523
3516.56	48.10327	50.87523
3517.042	48.19094	50.98435
3517.524	48.2815	51.09918
3518.006	48.37587	51.22112
3518.488	48.47279	51.34786
3518.97	48.57146	51.47794
3519.453	48.67141	51.6103
3519.935	48.77182	51.74324
3520.417	48.87286	51.87714
3520.899	48.97439	52.01168
3521.381	49.07649	52.14718
3521.863	49.17958	52.28488
3522.345	49.2824	52.42161
3522.827	49.3839	52.55474
3523.31	49.48392	52.68385
3523.792	49.5825	52.80898
3524.274	49.67789	52.92599
3524.756	49.76924	53.03282
3525.238	49.85391	53.12313
3525.72	49.92749	53.1863
3526.202	49.99448	53.23315
3526.684	50.05756	53.27015
3527.167	50.11775	53.2998
3527.648	50.17709	53.32696
3528.131	50.23529	53.35094
3528.613	50.29253	53.37213
3529.095	50.34947	53.39211
3529.577	50.40661	53.41196

Wavenumber (cm-1)	After	Before
3530.059	50.46469	53.43359
3530.541	50.52456	53.45915
3531.023	50.5864	53.48905
3531.505	50.64993	53.52266
3531.988	50.71732	53.56532
3532.47	50.78966	53.61972
3532.952	50.8699	53.69325
3533.434	50.96302	53.79836
3533.916	51.06408	53.92259
3534.398	51.17011	54.05853
3534.88	51.28008	54.20351
3535.362	51.3919	54.35222
3535.844	51.50577	54.50521
3536.327	51.62149	54.66202
3536.809	51.7381	54.82037
3537.291	51.85458	54.97809
3537.773	51.97083	55.13441
3538.255	52.08646	55.28797
3538.737	52.20132	55.43835
3539.219	52.31562	55.5862
3539.701	52.4278	55.72698
3540.184	52.53702	55.85835
3540.666	52.6413	55.97441
3541.148	52.73733	56.06536
3541.63	52.82822	56.14065
3542.112	52.91578	56.20588
3542.594	53.00052	56.26281
3543.076	53.08353	56.31517
3543.558	53.16484	56.3627
3544.041	53.24454	56.40567
3544.523	53.32357	56.44617
3545.005	53.40316	56.48667
3545.487	53.48238	56.52635
3545.969	53.56071	56.56513
3546.451	53.63819	56.60319
3546.933	53.71472	56.64007
3547.415	53.79017	56.67762
3547.897	53.86456	56.71692
3548.38	53.93733	56.75995
3548.862	54.00748	56.81001
3549.344	54.07635	56.86425
3549.826	54.14479	56.92108
3550.308	54.21328	56.98014
3550.79	54.28273	57.04049
3551.272	54.35291	57.10227
3551.754	54.42391	57.16551
3552.237	54.49564	57.22956
3552.719	54.5675	57.29345
3553.201	54.64095	57.35806
3553.683	54.71722	57.42392
3554.165	54.79648	57.49114
3554.647	54.87864	57.55997
3555.129	54.96572	57.6305
3555.611	55.05869	57.70278
3556.094	55.16062	57.77721

Wavenumber (cm-1)	After	Before
3556.575	55.27667	57.85442
3557.058	55.40151	57.93379
3557.54	55.53194	58.01494
3558.022	55.66669	58.09773
3558.504	55.80339	58.18188
3558.986	55.94231	58.26745
3559.468	56.08321	58.35445
3559.95	56.22525	58.44283
3560.432	56.36778	58.53264
3560.915	56.50994	58.62364
3561.397	56.65071	58.71563
3561.879	56.78985	58.80862
3562.361	56.9276	58.90264
3562.843	57.06145	58.99727
3563.325	57.19007	59.09232
3563.807	57.31	59.18711
3564.289	57.41541	59.28058
3564.771	57.51202	59.37386
3565.254	57.60323	59.46768
3565.736	57.69015	59.56231
3566.218	57.77505	59.6583
3566.7	57.85783	59.75559
3567.182	57.93874	59.85423
3567.664	58.01908	59.95439
3568.146	58.10043	60.05618
3568.628	58.1823	60.15986
3569.111	58.26468	60.26571
3569.593	58.34771	60.37379
3570.075	58.43118	60.48405
3570.557	58.51623	60.59713
3571.039	58.60351	60.71335
3571.521	58.69419	60.8336
3572.003	58.79015	60.95933
3572.485	58.8899	61.0891
3572.968	58.99262	61.22202
3573.45	59.09828	61.3579
3573.932	59.20666	61.49631
3574.414	59.31757	61.63701
3574.896	59.43101	61.77986
3575.378	59.54617	61.92415
3575.86	59.66164	62.06873
3576.342	59.77921	62.21467
3576.824	59.90017	62.36269
3577.307	60.02464	62.5127
3577.789	60.15262	62.66462
3578.271	60.28568	62.81924
3578.753	60.4245	62.97685
3579.235	60.57174	63.13896
3579.717	60.73196	63.30822
3580.199	60.90022	63.48146
3580.681	61.07352	63.65672
3581.164	61.25056	63.83296
3581.646	61.42898	64.00831
3582.128	61.60906	64.18322
3582.61	61.79052	64.35749

Wavenumber (cm-1)	After	Before
3583.092	61.97269	64.53115
3583.574	62.15536	64.70501
3584.056	62.33703	64.87661
3584.538	62.51622	65.04385
3585.021	62.69261	65.20643
3585.502	62.86642	65.36458
3585.985	63.03455	65.51463
3586.467	63.19543	65.6548
3586.949	63.34471	65.77958
3587.431	63.4751	65.87969
3587.913	63.5938	65.96471
3588.395	63.70509	66.04038
3588.877	63.81046	66.10894
3589.359	63.91286	66.17478
3589.842	64.01207	66.23728
3590.324	64.10834	66.29682
3590.806	64.20316	66.35476
3591.288	64.29809	66.4119
3591.77	64.3931	66.47025
3592.252	64.48858	66.53188
3592.734	64.58473	66.59721
3593.216	64.68123	66.6657
3593.698	64.7801	66.74239
3594.181	64.88248	66.82979
3594.663	64.99083	66.93487
3595.145	65.10929	67.06939
3595.627	65.23407	67.22161
3596.109	65.36296	67.38455
3596.591	65.49532	67.55566
3597.073	65.62975	67.7298
3597.555	65.76639	67.90771
3598.038	65.90521	68.089
3598.52	66.04538	68.27183
3599.002	66.18586	68.45471
3599.484	66.32725	68.63621
3599.966	66.46976	68.81452
3600.448	66.61339	68.98928
3600.93	66.75842	69.16122
3601.412	66.90436	69.32522
3601.895	67.05091	69.47875
3602.377	67.19764	69.61489
3602.859	67.3438	69.72203
3603.341	67.49005	69.81178
3603.823	67.6368	69.89105
3604.305	67.78416	69.9623
3604.787	67.93246	70.03054
3605.269	68.08157	70.09521
3605.751	68.23144	70.15669
3606.234	68.38208	70.21707
3606.716	68.53342	70.27827
3607.198	68.68567	70.3411
3607.68	68.83904	70.40694
3608.162	68.9935	70.47615
3608.644	69.14896	70.5481
3609.126	69.30587	70.62714

Wavenumber (cm-1)	After	Before
3609.608	69.46446	70.71554
3610.091	69.62543	70.81899
3610.573	69.79003	70.94708
3611.055	69.95688	71.09048
3611.537	70.12511	71.24369
3612.019	70.29431	71.40489
3612.501	70.46381	71.57034
3612.983	70.63366	71.74035
3613.465	70.80377	71.91464
3613.948	70.97398	72.09126
3614.429	71.14424	72.26809
3614.912	71.31404	72.44548
3615.394	71.48292	72.62315
3615.876	71.65073	72.8009
3616.358	71.81757	72.97921
3616.84	71.98248	73.15575
3617.322	72.14496	73.32924
3617.804	72.30364	73.49696
3618.286	72.45627	73.65431
3618.769	72.60509	73.80549
3619.251	72.7514	73.95295
3619.733	72.89564	74.09741
3620.215	73.03876	74.24056
3620.697	73.18066	74.38204
3621.179	73.32137	74.52184
3621.661	73.46132	74.66065
3622.143	73.60088	74.79916
3622.625	73.74016	74.9373
3623.108	73.87935	75.07527
3623.59	74.01852	75.21301
3624.072	74.15752	75.35014
3624.554	74.29713	75.48788
3625.036	74.43774	75.62682
3625.518	74.58032	75.76853
3626	74.72654	75.9158
3626.482	74.87479	76.06567
3626.965	75.02413	76.21642
3627.447	75.17414	76.36718
3627.929	75.32392	76.5163
3628.411	75.47391	76.66438
3628.893	75.62416	76.81142
3629.375	75.77487	76.95765
3629.857	75.92668	77.10407
3630.339	76.07834	77.24838
3630.822	76.22882	77.38865
3631.304	76.37811	77.52473
3631.786	76.52651	77.65703
3632.268	76.67209	77.78205
3632.75	76.81399	77.89818
3633.232	76.94922	78.00007
3633.714	77.07265	78.07855
3634.196	77.1899	78.14343
3634.678	77.3044	78.2006
3635.161	77.41782	78.25269
3635.643	77.53331	78.30457

Wavenumber (cm-1)	After	Before
3636.125	77.64993	78.35529
3636.607	77.76782	78.40528
3637.089	77.88682	78.45535
3637.571	78.00546	78.50517
3638.053	78.12773	78.55861
3638.535	78.25706	78.61931
3639.018	78.39381	78.68782
3639.5	78.53735	78.76347
3639.982	78.69393	78.85355
3640.464	78.86642	78.96158
3640.946	79.06422	79.09813
3641.428	79.30329	79.28103
3641.91	79.5668	79.49204
3642.392	79.84463	79.72023
3642.875	80.13264	79.96149
3643.356	80.42296	80.2078
3643.839	80.71662	80.45995
3644.321	81.0128	80.71716
3644.803	81.30917	80.97618
3645.285	81.60442	81.23425
3645.767	81.89452	81.48931
3646.249	82.17535	81.73869
3646.731	82.446	81.9816
3647.213	82.70731	82.2189
3647.696	82.94991	82.44297
3648.178	83.16903	82.6499
3648.66	83.35156	82.8296
3649.142	83.47558	82.96529
3649.624	83.56284	83.07316
3650.106	83.6263	83.16276
3650.588	83.67042	83.2371
3651.07	83.70419	83.30253
3651.552	83.72694	83.35865
3652.035	83.73952	83.40598
3652.517	83.74642	83.44821
3652.999	83.75251	83.48981
3653.481	83.75757	83.52908
3653.963	83.76279	83.56566
3654.445	83.76886	83.59988
3654.927	83.77478	83.63098
3655.409	83.78673	83.66181
3655.892	83.80803	83.69404
3656.374	83.84613	83.7305
3656.856	83.91331	83.7758
3657.338	83.99839	83.82628
3657.82	84.09479	83.87983
3658.302	84.20084	83.93626
3658.784	84.31262	83.99466
3659.266	84.43027	84.05502
3659.749	84.55361	84.11743
3660.231	84.67965	84.1806
3660.713	84.80427	84.24239
3661.195	84.93065	84.30544
3661.677	85.06056	84.37156
3662.159	85.19408	84.44103



Wavenumber (cm-1)	After	Before
3662.641	85.33178	84.51412
3663.123	85.47387	84.59263
3663.605	85.62024	84.67737
3664.088	85.77232	84.77149
3664.57	85.93259	84.88024
3665.052	86.09783	84.99812
3665.534	86.26604	85.12182
3666.016	86.43607	85.24993
3666.498	86.60608	85.37985
3666.98	86.77628	85.51198
3667.462	86.94637	85.64613
3667.945	87.11621	85.78167
3668.427	87.28629	85.91846
3668.909	87.45428	86.05483
3669.391	87.61819	86.18917
3669.873	87.77763	86.32121
3670.355	87.93264	86.4513
3670.837	88.07977	86.57596
3671.319	88.21727	86.69345
3671.802	88.34005	86.79882
3672.283	88.43961	86.88371
3672.766	88.52441	86.95658
3673.248	88.59947	87.02248
3673.73	88.66662	87.08341
3674.212	88.72948	87.14333
3674.694	88.7876	87.20143
3675.176	88.84127	87.2579
3675.658	88.89195	87.3136
3676.14	88.94098	87.36865
3676.623	88.98901	87.42543
3677.105	89.03709	87.48628
3677.587	89.08545	87.55148
3678.069	89.13361	87.62036
3678.551	89.18485	87.69815
3679.033	89.2408	87.78735
3679.515	89.30575	87.89547
3679.997	89.38691	88.03524
3680.479	89.47722	88.19349
3680.962	89.57249	88.36231
3681.444	89.67125	88.53858
3681.926	89.77051	88.71627
3682.408	89.87068	88.89618
3682.89	89.9716	89.07774
3683.372	90.07208	89.25901
3683.854	90.17105	89.43874
3684.336	90.26799	89.61431
3684.819	90.36211	89.78294
3685.301	90.45322	89.94401
3685.783	90.5418	90.09822
3686.265	90.62515	90.13747
3686.747	90.70193	90.17671
3687.229	90.76855	90.21593
3687.711	90.81902	90.25518
3688.193	90.85931	90.29443
3688.676	90.89306	90.33365

Wavenumber (cm-1)	After	Before
3689.158	90.92152	90.37289
3689.64	90.94716	90.41213
3690.122	90.96983	90.45137
3690.604	90.9898	90.49062
3691.086	91.00832	90.52984
3691.568	91.02675	90.56909
3692.05	91.04507	90.60832
3692.532	91.06363	90.64755
3693.015	91.0826	90.6868
3693.497	91.10177	90.72604
3693.979	91.12283	90.76528
3694.461	91.14673	90.80453
3694.943	91.17551	90.84374
3695.425	91.21256	90.883
3695.907	91.25486	90.92223
3696.389	91.30062	90.96146
3696.872	91.34946	91.00071
3697.354	91.40048	91.03995
3697.836	91.45352	91.07919
3698.318	91.50848	91.11843
3698.8	91.56422	91.15765
3699.282	91.61903	91.19691
3699.764	91.67461	91.23615
3700.246	91.73206	91.27537
3700.729	91.79144	91.31461
3701.211	91.85277	91.35386
3701.693	91.91708	91.39311
3702.175	91.98476	91.43235
3702.657	92.0578	91.47157
3703.139	92.1396	91.51081
3703.621	92.22624	91.55006
3704.103	92.31532	91.58928
3704.585	92.40565	91.62852
3705.068	92.49507	91.66776
3705.55	92.58404	91.70701
3706.032	92.67232	91.74625
3706.514	92.7598	91.78548
3706.996	92.84715	91.82472
3707.478	92.9319	91.86396
3707.96	93.01189	91.90319
3708.442	93.08681	91.94244
3708.925	93.15692	91.98168
3709.406	93.21834	92.02092
3709.889	93.26917	92.06016
3710.371	93.30363	92.09939
3710.853	93.31198	92.13863
3711.335	93.30421	92.17787
3711.817	93.28635	92.2171
3712.299	93.26064	92.25634
3712.781	93.23143	92.29559
3713.263	93.1984	92.33483
3713.746	93.16203	92.37407
3714.228	93.12419	92.4133
3714.71	93.08665	92.45254
3715.192	93.05028	92.49178

Wavenumber (cm-1)	After	Before
3715.674	93.01634	92.53101
3716.156	92.9853	92.57025
3716.638	92.95676	92.60949
3717.12	92.93458	92.64874
3717.603	92.92079	92.68798
3718.085	92.92043	92.7272
3718.567	92.94179	92.76645
3719.049	92.97705	92.8057
3719.531	93.02161	92.84492
3720.013	93.07416	92.88416
3720.495	93.13194	92.92341
3720.977	93.19487	92.96266
3721.459	93.2627	92.98472
3721.942	93.33317	93.0068
3722.424	93.40321	93.02886
3722.906	93.47502	93.05092
3723.388	93.54982	93.07298
3723.87	93.62752	93.09506
3724.352	93.70839	93.11712
3724.834	93.79258	93.13918
3725.316	93.88	93.16125
3725.799	93.97181	93.18332
3726.281	94.07011	93.20538
3726.763	94.17195	93.22745
3727.245	94.27549	93.24952
3727.727	94.37961	93.27159
3728.209	94.48245	93.29365
3728.691	94.58433	93.31571
3729.173	94.68486	93.33778
3729.656	94.78405	93.35986
3730.138	94.88266	93.38191
3730.62	94.97804	93.40398
3731.102	95.06795	93.42605
3731.584	95.15195	93.44811
3732.066	95.23009	93.47018
3732.548	95.29866	93.49224
3733.03	95.35577	93.51431
3733.512	95.39585	93.53639
3733.995	95.40963	93.55844
3734.477	95.40639	93.58051
3734.959	95.39171	93.60258
3735.441	95.36752	93.62465
3735.923	95.33763	93.64671
3736.405	95.30189	93.66877
3736.887	95.26071	93.69085
3737.369	95.21615	93.71291
3737.852	95.1705	93.73497
3738.333	95.12351	93.75704
3738.816	95.07553	93.77911
3739.298	95.0269	93.80118
3739.78	94.97729	93.82324
3740.262	94.92908	93.84531
3740.744	94.88364	93.86738
3741.226	94.84371	93.88944
3741.708	94.81377	93.91151

Wavenumber (cm-1)	After	Before
3742.19	94.78999	93.93357
3742.673	94.77018	93.95564
3743.155	94.75397	93.97772
3743.637	94.74025	93.99978
3744.119	94.72897	94.02184
3744.601	94.72012	94.04391
3745.083	94.71243	94.06597
3745.565	94.7039	94.08804
3746.047	94.69667	94.1101
3746.53	94.69216	94.13217
3747.012	94.69051	94.15424
3747.494	94.6919	94.17631
3747.976	94.6976	94.19837
3748.458	94.70812	94.22044
3748.94	94.72579	94.2425
3749.422	94.75456	94.26458
3749.904	94.7901	94.28663
3750.386	94.82979	94.30871
3750.869	94.87247	94.33077
3751.351	94.916	94.35284
3751.833	94.96068	94.3749
3752.315	95.00626	94.39697
3752.797	95.0523	94.41904
3753.279	95.09875	94.4411
3753.761	95.14406	94.46316
3754.243	95.18671	94.48523
3754.726	95.22639	94.5073
3755.208	95.26335	94.52937
3755.69	95.29453	94.55142
3756.172	95.31844	94.57349
3756.654	95.33075	94.59557
3757.136	95.32417	94.61763
3757.618	95.30598	94.63969
3758.1	95.28056	94.66176
3758.583	95.24942	94.68383
3759.065	95.21568	94.7059
3759.547	95.17905	94.72795
3760.029	95.13982	94.75003
3760.511	95.09941	94.7721
3760.993	95.05925	94.78373
3761.475	95.01961	94.79536
3761.957	94.98114	94.80699
3762.439	94.94409	94.81863
3762.922	94.90813	94.83025
3763.404	94.87569	94.84187
3763.886	94.84808	94.8535
3764.368	94.82838	94.86513
3764.85	94.8217	94.87676
3765.332	94.82323	94.88838
3765.814	94.83013	94.90002
3766.296	94.8416	94.91165
3766.779	94.85586	94.92327
3767.26	94.87294	94.9349
3767.743	94.89272	94.94653
3768.225	94.91394	94.95815

Wavenumber (cm-1)	After	Before
3768.707	94.93491	94.96979
3769.189	94.95671	94.98142
3769.671	94.97987	94.99305
3770.153	95.00436	95.00468
3770.635	95.03036	95.0163
3771.117	95.05769	95.02793
3771.6	95.08611	95.03956
3772.082	95.11581	95.05119
3772.564	95.14713	95.06281
3773.046	95.17931	95.07445
3773.528	95.21191	95.08608
3774.01	95.24453	95.09771
3774.492	95.27652	95.10933
3774.974	95.30807	95.12096
3775.457	95.33908	95.13259
3775.939	95.36978	95.14422
3776.421	95.40091	95.15585
3776.903	95.43095	95.16747
3777.385	95.45869	95.1791
3777.867	95.48396	95.19074
3778.349	95.50681	95.20236
3778.831	95.52534	95.21399
3779.313	95.53869	95.22563
3779.796	95.54393	95.23724
3780.278	95.53619	95.24888
3780.76	95.52052	95.26051
3781.242	95.49997	95.27214
3781.724	95.4757	95.28376
3782.206	95.44994	95.29539
3782.688	95.42251	95.30702
3783.17	95.39365	95.31865
3783.653	95.36427	95.33028
3784.135	95.33515	95.3419
3784.617	95.3069	95.35353
3785.099	95.2803	95.36517
3785.581	95.25562	95.37679
3786.063	95.23262	95.38842
3786.545	95.21346	95.40005
3787.027	95.19926	95.41168
3787.51	95.19287	95.4233
3787.992	95.19902	95.43494
3788.474	95.21319	95.44656
3788.956	95.23271	95.45819
3789.438	95.25681	95.46983
3789.92	95.28384	95.48145
3790.402	95.31377	95.49308
3790.884	95.34642	95.50471
3791.366	95.3805	95.51633
3791.849	95.41431	95.52796
3792.331	95.44897	95.53959
3792.813	95.48508	95.55122
3793.295	95.52254	95.56286
3793.777	95.56149	95.57448
3794.259	95.6019	95.58611
3794.741	95.64361	95.59773

Wavenumber (cm-1)	After	Before
3795.223	95.68703	95.60937
3795.706	95.73302	95.621
3796.188	95.78024	95.63262
3796.67	95.82788	95.64425
3797.152	95.87527	95.65588
3797.634	95.92138	95.6675
3798.116	95.96658	95.67914
3798.598	96.01074	95.69077
3799.08	96.05431	95.70239
3799.563	96.09846	95.71402
3800.044	96.14082	95.72566
3800.527	96.17944	95.73728
3801.009	96.2141	95.74891
3801.491	96.24495	95.76054
3801.973	96.26894	95.77216
3802.455	96.28461	95.78379
3802.937	96.28724	95.79543
3803.419	96.26879	95.80705
3803.901	96.23769	95.81868
3804.384	96.19899	95.83032
3804.866	96.1548	95.84194
3805.348	96.10912	95.85357
3805.83	96.06133	95.8652
3806.312	96.01174	95.87683
3806.794	95.96139	95.88845
3807.276	95.91055	95.90008
3807.758	95.86164	95.91171
3808.24	95.81705	95.92334
3808.723	95.77722	95.93497
3809.205	95.74163	95.9466
3809.687	95.71548	95.95822
3810.169	95.70132	95.96986
3810.651	95.70657	95.98148
3811.133	95.74362	95.99311
3811.615	95.79995	96.00474
3812.097	95.86805	96.01637
3812.58	95.94512	96.028
3813.062	96.02563	96.03963
3813.544	96.1103	96.05126
3814.026	96.19868	96.06289
3814.508	96.2888	96.0745
3814.99	96.37904	96.08614
3815.472	96.46774	96.09777
3815.954	96.55284	96.1094
3816.437	96.63388	96.12103
3816.919	96.71158	96.13265
3817.401	96.78033	96.14428
3817.883	96.83733	96.15591
3818.365	96.87496	96.16753
3818.847	96.88048	96.17917
3819.329	96.86653	96.1908
3819.811	96.84063	96.20243
3820.293	96.80542	96.21406
3820.776	96.76624	96.22569
3821.258	96.72253	96.23731

Wavenumber (cm-1)	After	Before
3821.74	96.67471	96.24894
3822.222	96.6252	96.26057
3822.704	96.57633	96.27219
3823.186	96.52859	96.28383
3823.668	96.48309	96.29546
3824.15	96.44021	96.30709
3824.633	96.39928	96.31871
3825.115	96.36456	96.33035
3825.597	96.33826	96.34197
3826.079	96.32581	96.3536
3826.561	96.33628	96.36523
3827.043	96.36098	96.37685
3827.525	96.39477	96.38848
3828.007	96.43606	96.40012
3828.49	96.48151	96.41174
3828.971	96.5313	96.42337
3829.454	96.58509	96.43501
3829.936	96.64081	96.44663
3830.418	96.69582	96.45826
3830.9	96.7514	96.46989
3831.382	96.80798	96.48151
3831.864	96.86539	96.49315
3832.346	96.92402	96.50477
3832.828	96.98273	96.5164
3833.311	97.0408	96.52802
3833.793	97.09733	96.53965
3834.275	97.1509	96.55129
3834.757	97.20232	96.56291
3835.239	97.25201	96.57455
3835.721	97.29977	96.58617
3836.203	97.34544	96.5978
3836.685	97.38921	96.60943
3837.167	97.43093	96.62106
3837.65	97.47125	96.63268
3838.132	97.51144	96.64431
3838.614	97.54951	96.65595
3839.096	97.58395	96.66758
3839.578	97.61455	96.67921
3840.06	97.64124	96.69083
3840.542	97.66206	96.70246
3841.024	97.67609	96.71409
3841.507	97.68016	96.72572
3841.989	97.66896	96.73734
3842.471	97.64803	96.74897
3842.953	97.62069	96.7606
3843.435	97.58823	96.77223
3843.917	97.55306	96.78386
3844.399	97.51506	96.79549
3844.881	97.47453	96.80712
3845.364	97.43256	96.81874
3845.846	97.39021	96.83038
3846.328	97.34792	96.842
3846.81	97.3064	96.85363
3847.292	97.26594	96.86527
3847.774	97.22636	96.87689

Wavenumber (cm-1)	After	Before
3848.256	97.18974	96.88852
3848.738	97.15723	96.90015
3849.22	97.13152	96.91177
3849.703	97.117	96.9234
3850.185	97.10964	96.93504
3850.667	97.10707	96.94666
3851.149	97.10869	96.95829
3851.631	97.11301	96.96992
3852.113	97.12013	96.98155
3852.595	97.13	96.99317
3853.077	97.14163	97.0048
3853.56	97.15369	97.01643
3854.042	97.16708	97.02806
3854.524	97.1823	97.0397
3855.006	97.19936	97.05132
3855.488	97.21848	97.06295
3855.97	97.2395	97.07458
3856.452	97.26227	97.08621
3856.934	97.28688	97.09783
3857.417	97.31352	97.10946
3857.898	97.34181	97.12109
3858.381	97.37149	97.13272
3858.863	97.4024	97.14435
3859.345	97.43438	97.15598
3859.827	97.46729	97.1676
3860.309	97.501	97.17924
3860.791	97.5353	97.19087
3861.273	97.56995	97.20249
3861.755	97.60495	97.21412
3862.238	97.64032	97.22575
3862.72	97.67593	97.23737
3863.202	97.71168	97.249
3863.684	97.74753	97.26064
3864.166	97.78342	97.27226
3864.648	97.81941	97.2839
3865.13	97.85567	97.29553
3865.612	97.89175	97.30715
3866.094	97.92736	97.31878
3866.577	97.96221	97.33041
3867.059	97.9959	97.34203
3867.541	98.02853	97.35366
3868.023	98.06007	97.36529
3868.505	98.0907	97.37692
3868.987	98.12098	97.38854
3869.469	98.14981	97.40018
3869.951	98.17632	97.41181
3870.434	98.20036	97.42344
3870.916	98.22199	97.43507
3871.398	98.23987	97.44669
3871.88	98.25335	97.45832
3872.362	98.26031	97.46995
3872.844	98.25723	97.48158
3873.326	98.2478	97.49321
3873.808	98.23423	97.50484
3874.291	98.21738	97.51647



Wavenumber (cm-1)	After	Before
3874.773	98.19891	97.5281
3875.255	98.17866	97.53973
3875.737	98.1568	97.55135
3876.219	98.13392	97.56298
3876.701	98.11047	97.57461
3877.183	98.0871	97.58624
3877.665	98.06447	97.59786
3878.147	98.04279	97.60949
3878.63	98.02187	97.62112
3879.112	98.00347	97.63275
3879.594	97.98849	97.64438
3880.076	97.97935	97.65601
3880.558	97.98	97.66764
3881.04	97.98657	97.67927
3881.522	97.99677	97.6909
3882.004	98.0098	97.70252
3882.487	98.02399	97.71415
3882.969	98.03965	97.72578
3883.451	98.0567	97.73741
3883.933	98.07459	97.74904
3884.415	98.0929	97.76066
3884.897	98.11116	97.77229
3885.379	98.12881	97.78393
3885.861	98.14576	97.79556
3886.344	98.16232	97.80718
3886.825	98.17681	97.81881
3887.308	98.1884	97.83044
3887.79	98.19477	97.84206
3888.272	98.19199	97.85369
3888.754	98.18411	97.86533
3889.236	98.17354	97.87695
3889.718	98.16129	97.88858
3890.2	98.14936	97.90022
3890.682	98.13725	97.91184
3891.165	98.12502	97.92347
3891.647	98.11284	97.9351
3892.129	98.10034	97.94672
3892.611	98.08929	97.95836
3893.093	98.08128	97.96998
3893.575	98.07644	97.98161
3894.057	98.07439	97.99324
3894.539	98.07831	98.00488
3895.021	98.08974	98.0165
3895.504	98.1134	98.02813
3895.986	98.15736	98.03975
3896.468	98.21313	98.05138
3896.95	98.27562	98.06301
3897.432	98.34268	98.07464
3897.914	98.41022	98.08627
3898.396	98.47896	98.0979
3898.878	98.54857	98.10952
3899.361	98.61822	98.12116
3899.843	98.68787	98.13278
3900.325	98.7547	98.14442
3900.807	98.81602	98.15604

Wavenumber (cm-1)	After	Before
3901.289	98.87141	98.16767
3901.771	98.92143	98.1793
3902.253	98.9604	98.19093
3902.735	98.98553	98.20256
3903.218	98.98871	98.21419
3903.7	98.95612	98.22581
3904.182	98.90184	98.23744
3904.664	98.83426	98.24908
3905.146	98.75654	98.2607
3905.628	98.67494	98.27233
3906.11	98.58872	98.28396
3906.592	98.49844	98.29559
3907.074	98.40636	98.30721
3907.557	98.31432	98.31884
3908.039	98.22429	98.33047
3908.521	98.1386	98.3421
3909.003	98.05784	98.35372
3909.485	97.98128	98.36536
3909.967	97.91521	98.37698
3910.449	97.86284	98.38862
3910.931	97.83272	98.40025
3911.414	97.83913	98.41187
3911.896	97.86804	98.4235
3912.378	97.91111	98.43513
3912.86	97.9655	98.44676
3913.342	98.0254	98.45838
3913.824	98.09139	98.47001
3914.306	98.16301	98.48164
3914.788	98.23751	98.49327
3915.271	98.312	98.5049
3915.752	98.38642	98.51653
3916.235	98.45988	98.52816
3916.717	98.53204	98.53979
3917.199	98.60361	98.55142
3917.681	98.67038	98.56305
3918.163	98.73013	98.57467
3918.645	98.77765	98.5863
3919.127	98.80419	98.59793
3919.609	98.81802	98.60957
3920.092	98.82399	98.62119
3920.574	98.82362	98.63282
3921.056	98.82013	98.64445
3921.538	98.81319	98.65608
3922.02	98.80296	98.6677
3922.502	98.79122	98.67933
3922.984	98.78001	98.69096
3923.466	98.7686	98.70259
3923.948	98.7569	98.71421
3924.431	98.74498	98.72585
3924.913	98.73235	98.73747
3925.395	98.72064	98.74911
3925.877	98.71074	98.76073
3926.359	98.70444	98.77236
3926.841	98.70474	98.78399
3927.323	98.70889	98.79562

Wavenumber (cm-1)	After	Before
3927.805	98.71527	98.80725
3928.288	98.72342	98.81887
3928.77	98.73236	98.8305
3929.252	98.74216	98.84213
3929.734	98.75278	98.85377
3930.216	98.7636	98.86539
3930.698	98.77374	98.87702
3931.18	98.78375	98.88865
3931.662	98.79389	98.90028
3932.145	98.80418	98.9119
3932.627	98.81477	98.92353
3933.109	98.82544	98.93025
3933.591	98.83606	98.93697
3934.073	98.84652	98.94368
3934.555	98.85667	98.9504
3935.037	98.86655	98.95712
3935.519	98.87619	98.96385
3936.001	98.88555	98.97056
3936.484	98.89458	98.97728
3936.966	98.90331	98.984
3937.448	98.91165	98.99072
3937.93	98.9197	98.99744
3938.412	98.92757	99.00415
3938.894	98.935	99.01087
3939.376	98.94181	99.01759
3939.858	98.94798	99.02431
3940.341	98.95345	99.03103
3940.823	98.95799	99.03774
3941.305	98.96149	99.04447
3941.787	98.96356	99.05119
3942.269	98.96358	99.05791
3942.751	98.96217	99.06462
3943.233	98.95966	99.07134
3943.715	98.9562	99.07806
3944.198	98.95198	99.08478
3944.679	98.94704	99.0915
3945.162	98.94142	99.09821
3945.644	98.93533	99.10494
3946.126	98.92909	99.11166
3946.608	98.92245	99.11837
3947.09	98.91529	99.1251
3947.572	98.90762	99.13181
3948.054	98.89945	99.13853
3948.536	98.89069	99.14525
3949.019	98.88133	99.15197
3949.501	98.87116	99.15868
3949.983	98.85978	99.1654
3950.465	98.84769	99.17213
3950.947	98.83524	99.17884
3951.429	98.8226	99.18556
3951.911	98.81004	99.19228
3952.393	98.79755	99.199
3952.875	98.78519	99.20571
3953.358	98.77302	99.21243
3953.84	98.76102	99.21916

Wavenumber (cm-1)	After	Before
3954.322	98.74948	99.22587
3954.804	98.73866	99.23259
3955.286	98.72862	99.23931
3955.768	98.71939	99.24603
3956.25	98.71141	99.25274
3956.732	98.70494	99.25947
3957.215	98.70065	99.26618
3957.697	98.6996	99.2729
3958.179	98.70077	99.27962
3958.661	98.70352	99.28634
3959.143	98.70765	99.29305
3959.625	98.71274	99.29978
3960.107	98.71884	99.3065
3960.589	98.72592	99.31321
3961.072	98.73377	99.31993
3961.554	98.74214	99.32665
3962.036	98.75109	99.33337
3962.518	98.76059	99.34009
3963	98.77062	99.34681
3963.482	98.78125	99.35352
3963.964	98.7922	99.36024
3964.446	98.80335	99.36697
3964.928	98.8144	99.37368
3965.411	98.82481	99.38039
3965.893	98.83509	99.38712
3966.375	98.8455	99.39384
3966.857	98.85617	99.40055
3967.339	98.8673	99.40727
3967.821	98.87881	99.41399
3968.303	98.8907	99.42071
3968.785	98.90297	99.42743
3969.268	98.91557	99.43414
3969.75	98.92866	99.44087
3970.232	98.94242	99.44759
3970.714	98.95686	99.45431
3971.196	98.9719	99.46102
3971.678	98.98791	99.46774
3972.16	99.00504	99.47447
3972.642	99.02386	99.48118
3973.125	99.04529	99.48789
3973.606	99.06831	99.49461
3974.089	99.09227	99.50134
3974.571	99.11691	99.50806
3975.053	99.14172	99.51478
3975.535	99.16674	99.52149
3976.017	99.19195	99.52821
3976.499	99.21724	99.53493
3976.981	99.24261	99.54165
3977.463	99.26768	99.54836
3977.946	99.29205	99.55509
3978.428	99.31565	99.56181
3978.91	99.33855	99.56852
3979.392	99.35998	99.57523
3979.874	99.37956	99.58196
3980.356	99.3962	99.58868

Wavenumber (cm-1)	After	Before
3980.838	99.40807	99.5954
3981.32	99.41701	99.60211
3981.802	99.42414	99.60883
3982.285	99.42986	99.61555
3982.767	99.43497	99.62227
3983.249	99.43939	99.62899
3983.731	99.44318	99.6357
3984.213	99.44662	99.64243
3984.695	99.44995	99.64915
3985.177	99.45341	99.65586
3985.659	99.45728	99.66258
3986.142	99.46167	99.6693
3986.624	99.46644	99.67602
3987.106	99.47242	99.68274
3987.588	99.48002	99.68946
3988.07	99.49036	99.69618
3988.552	99.50529	99.70289
3989.034	99.52298	99.70961
3989.516	99.54229	99.71633
3989.999	99.56289	99.72305
3990.481	99.58416	99.72977
3990.963	99.60594	99.73648
3991.445	99.62809	99.7432
3991.927	99.6499	99.74992
3992.409	99.67036	99.75664
3992.891	99.69025	99.76336
3993.373	99.70999	99.77008
3993.855	99.72968	99.7768
3994.338	99.74959	99.78352
3994.82	99.76956	99.79024
3995.302	99.78951	99.79695
3995.784	99.80944	99.80367

Wavenumber (cm-1)	MIBWS	Fe/S@CMIBWS	Fe/S@CMIBWS After adsorption
1349	-69	169222	864912
1348	-4465	167381	866599
1347	-10239	164811	866602
1346	-10140	162668	863991
1345	-10185	164268	862858
1344	-13004	165067	863010
1343	-16833	165605	863498
1342	-16298	163376	862867
1341	-16443	163320	862966
1340	-23176	161677	862585
1339	-19408	162997	860767
1338	-22477	165048	862561
1337	-23531	164493	861341
1336	-29237	162623	862078
1335	-28971	162236	863128
1334	-28839	159518	861019
1333	-33075	157632	858060
1332	-35606	156376	857437
1331	-35949	154026	854974
1330	-37707	152091	854845
1329	-39767	150363	852137
1328	-38911	149019	851911
1327	-42342	149469	851982
1326	-44041	148887	849804
1325	-41215	149303	847352
1324	-42090	150919	847580
1323	-41915	150954	848691
1322	-48241	148671	847169
1321	-46701	148064	845620
1320	-45517	145887	844101
1319	-53143	146561	846244
1318	-52567	148619	847569
1317	-55741	147957	847084
1316	-53712	144481	846715
1315	-55620	143740	845232
1314	-55120	146090	845724
1313	-58687	147895	844709
1312	-59322	148845	845529
1311	-59021	147368	846095
1310	-60056	145982	841559
1309	-64297	145009	841299
1308	-63469	144566	844039
1307	-63926	144956	843327
1306	-60933	143137	845566
1305	-58146	144882	844105
1304	-54141	145089	841402
1303	-48391	147346	838957
1302	-52560	148557	838698
1301	-59727	146629	838429
1300	-63276	143502	840293
1299	-63878	142709	837784
1298	-68597	143748	838531
1297	-69529	144961	840856
1296	-73295	144399	840926
1295	-76332	142440	838753

1294	-72762	142694	838279
1293	-77309	143464	839441
1292	-72026	143108	839445
1291	-77375	144235	837869
1290	-80901	144604	837942
1289	-81606	144193	838266
1288	-79231	143553	837465
1287	-83246	142367	836805
1286	-81210	143828	835839
1285	-78633	144504	835068
1284	-82570	144635	836491
1283	-82037	144084	837456
1282	-78917	143569	837794
1281	-82794	142103	835717
1280	-81583	139176	836752
1279	-83512	139876	833970
1278	-82604	140079	836333
1277	-82681	140525	837580
1276	-83525	142914	836912
1275	-84324	143510	838074
1274	-86008	144204	837885
1273	-87423	144783	834576
1272	-90001	141812	834101
1271	-88087	140438	835709
1270	-87206	142605	834707
1269	-88356	142139	835742
1268	-84099	140887	837297
1267	-86499	142672	837196
1266	-88906	142681	835609
1265	-89112	141413	836910
1264	-85312	140983	836016
1263	-87982	140676	834450
1262	-85765	141995	836335
1261	-88455	141656	836231
1260	-88624	139509	834070
1259	-85701	140459	834789
1258	-88205	140848	835728
1257	-85883	141115	833890
1256	-86423	141149	835462
1255	-87273	141984	836013
1254	-88950	142141	835281
1253	-89689	141230	834314
1252	-86068	142917	833193
1251	-87193	142813	838353
1250	-88664	143530	838488
1249	-85843	143192	836904
1248	-89665	142567	837129
1247	-85429	144020	839852
1246	-85424	144996	840110
1245	-85584	145903	835965
1244	-84278	145407	838484
1243	-85311	146630	838231
1242	-85763	148469	838815
1241	-86260	145200	838920
1240	-83589	146878	841442
1239	-86478	146632	840745

1238	-85488	147734	838551
1237	-81701	147535	839894
1236	-81106	144018	840483
1235	-81644	146916	840124
1234	-81459	147922	841559
1233	-86102	149381	843389
1232	-81898	150941	843929
1231	-81123	150218	845584
1230	-80828	151784	846100
1229	-80267	153290	847607
1228	-82589	154746	849943
1227	-78314	154919	850574
1226	-81305	154728	848434
1225	-79614	153663	850135
1224	-78500	155738	850363
1223	-79085	154123	850808
1222	-79654	152098	849865
1221	-80043	149346	850197
1220	-82237	149475	844088
1219	-84477	146612	843883
1218	-81807	144791	844970
1217	-85604	142884	844600
1216	-87575	140440	843935
1215	-85638	138257	839629
1214	-90648	138420	837806
1213	-89068	135069	832938
1212	-89883	133060	836223
1211	-92910	131216	832776
1210	-90679	133979	832120
1209	-93438	134219	831558
1208	-95305	132173	832107
1207	-98578	133177	833697
1206	-99660	131325	832231
1205	-97987	129707	832588
1204	-97041	130457	831402
1203	-98098	129071	828256
1202	-95398	129579	829830
1201	-97935	129927	832595
1200	-99162	129077	832499
1199	-96780	128448	831478
1198	-93207	130450	830983
1197	-96432	130811	830495
1196	-94941	129196	832613
1195	-97765	130060	833113
1194	-96947	128846	833034
1193	-96087	127882	830606
1192	-95047	129694	830827
1191	-94617	130714	831125
1190	-96361	129453	833983
1189	-96850	127281	833009
1188	-98258	128492	831986
1187	-98304	130799	830413
1186	-98720	129644	832206
1185	-98940	130098	832705
1184	-94565	129563	833254
1183	-95725	128326	832515



1182	-98153	128235	832418
1181	-98485	128458	831031
1180	-96408	130340	831623
1179	-95660	130369	833639
1178	-96284	129085	833509
1177	-93222	129904	831531
1176	-96157	130391	834052
1175	-89318	130691	833504
1174	-89975	130543	831691
1173	-95489	133231	833957
1172	-95399	133636	836717
1171	-92865	130530	837258
1170	-95262	132482	835956
1169	-90891	131928	834783
1168	-90607	132010	835157
1167	-91541	133646	837239
1166	-90185	132695	839607
1165	-93517	132961	839582
1164	-90340	133166	838460
1163	-92506	134167	840232
1162	-91617	134939	839006
1161	-89943	132602	838248
1160	-90290	133180	838455
1159	-91237	133295	839113
1158	-91552	134952	842199
1157	-91694	135425	841706
1156	-90135	134504	841179
1155	-89596	134880	840561
1154	-87994	136800	841945
1153	-90252	137853	843682
1152	-89359	136986	841672
1151	-87838	136928	841921
1150	-88726	137335	840971
1149	-86468	138099	840841
1148	-86184	137368	841058
1147	-88854	137059	842739
1146	-88056	137590	840943
1145	-86451	137804	840737
1144	-86577	138010	842812
1143	-85643	138109	843370
1142	-84617	138920	843629
1141	-88109	138037	845331
1140	-86307	138027	845313
1139	-81401	139256	843758
1138	-83023	141099	845897
1137	-83254	140564	845965
1136	-81514	140046	843736
1135	-83860	140394	846195
1134	-82973	140509	846045
1133	-80999	141531	846202
1132	-82337	141307	846113
1131	-83132	141934	845430
1130	-82136	141032	847971
1129	-81679	142783	846828
1128	-79864	143782	843024
1127	-80100	143371	844937

1126	-81208	143107	845888
1125	-78547	142884	849454
1124	-80319	142613	847465
1123	-80325	143537	848239
1122	-77241	143531	846562
1121	-77354	143502	846732
1120	-78125	143599	848247
1119	-74791	143543	849909
1118	-78837	143627	848573
1117	-78431	143986	847621
1116	-72569	145471	849171
1115	-74620	145478	849842
1114	-73979	145372	848431
1113	-75163	146737	848330
1112	-74813	147830	846339
1111	-74333	146763	848577
1110	-75119	146060	847221
1109	-74802	147155	849790
1108	-74910	150632	850985
1107	-73380	149904	852741
1106	-70954	149911	850614
1105	-69579	151742	850660
1104	-69849	152241	850886
1103	-70135	151392	849535
1102	-70811	149377	851340
1101	-73111	149604	850371
1100	-73380	150575	850885
1099	-68837	149045	852118
1098	-71336	151691	853182
1097	-73561	150238	853862
1096	-70645	150140	851528
1095	-73142	151886	850938
1094	-70661	150937	849188
1093	-67977	151233	850989
1092	-65705	152654	851461
1091	-66986	151654	852167
1090	-68296	150348	853764
1089	-66765	149906	853019
1088	-66975	151722	853254
1087	-68043	151519	852394
1086	-70514	151693	852768
1085	-67731	151113	851350
1084	-65940	151691	850739
1083	-63313	155673	850541
1082	-64552	154693	850785
1081	-65602	153468	849735
1080	-65201	153561	852439
1079	-65465	152773	852498
1078	-65623	154793	851023
1077	-62277	154931	852028
1076	-61872	155665	849911
1075	-58561	157141	851504
1074	-58287	157167	853329
1073	-58320	155545	851390
1072	-60324	153241	854139
1071	-58172	156236	853618

1070	-59574	157771	852674
1069	-58790	157008	853382
1068	-55322	158667	853096
1067	-56502	159084	853224
1066	-59843	157164	855246
1065	-58399	155840	856585
1064	-55570	156069	856680
1063	-58012	157294	857621
1062	-54773	159546	856981
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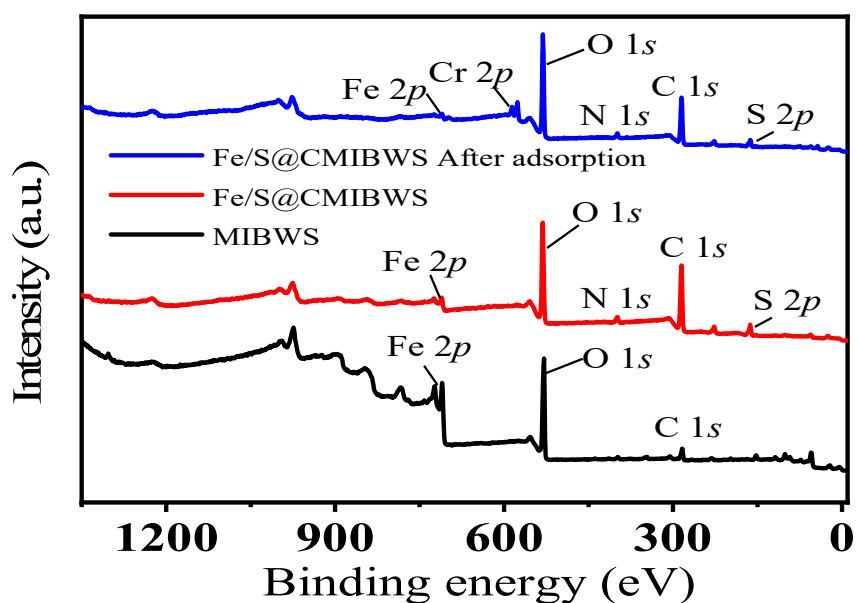
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123	-440623.4	17795	716946.1
122	-439465.1	18159	717706.8
121	-438329.7	18024.1	717743
120	-436252.1	18258.4	717923.4
119	-432670.1	18414.6	717793.4

118	-432553.6	18867.9	718841.9
117	-433762.8	18544.3	718358.4
116	-437573.7	17266.6	718196.8
115	-439490.2	17241	717776
114	-441017.6	17393.7	717471.3
113	-442381.4	16512.6	717081.1
112	-442258	16850.3	717343.5
111	-443095.1	17125.1	717081.5
110	-443498.1	17332.3	717430.5
109	-443031.3	16864.1	717259.4
108	-443041.7	16776.4	717410
107	-441777.4	17471.3	717784.7
106	-441897.5	18043.2	717712.9
105	-439810.1	18043.3	717221.7
104	-437343.9	18885.6	717664.5
103	-430281.5	19695.4	717612.4
102	-422427.3	21107.9	719663.4
101	-420703.2	21018.7	720448.3
100	-426326.4	20059.9	719010.1
99	-432739.4	18869.1	718090.5
98	-435114	17299	718168.8
97	-437665.9	17367.6	717092.7
96	-438254.2	17963.2	716465.9
95	-437096	18493.9	718276.8
94	-435007.6	19012.5	717505.1
93	-431190.2	18218.3	718491.7
92	-432394.2	17678.4	717770.6
91	-435931.8	16572.4	717441.8
90	-440921.4	15622.5	717017.8
89	-443158.6	15615.4	716530.8
88	-445200.8	15268.5	717071.7
87	-446655.8	15196.1	716363
86	-447684.9	15303.8	715782.4
85	-448605.7	15338.6	715466.1
84	-448242.9	15906.4	716439.3
83	-448017.2	16511.2	716195.4
82	-447020.9	15597.2	716082.4
81	-447103.4	15677.8	716515.5
80	-447076.5	15728.5	718105.2
79	-446821.2	15829.2	718095.3
78	-447801.8	15342.1	718000.6
77	-447012.7	15167.6	717988.2
76	-446722.9	14586.5	718591
75	-445149.1	16045	720120.9
74	-442638	16171.4	719982.4
73	-441540.8	15723.4	718001.1
72	-444845.5	15915.4	716133.6
71	-447510	14866.4	714903.4
70	-449566.4	14583.9	714545.1
69	-450395.9	14958	714254.9
68	-450629.9	15193.5	714356.8
67	-451050.5	15333.1	714843.4
66	-451141.1	15278.1	715866.5
65	-449131.8	15340.9	715427.3
64	-448232	15109.5	715197.4
63	-447916.9	14768	714886.7

62	-447500.7	15195	715319.7
61	-448250.7	15157.4	715688.3
60	-448166.3	15133.3	714876.8
59	-447111.9	15581.5	715090.7
58	-443574.6	17278.5	715898.5
57	-438251.3	20183.1	717803.8
56	-427205.1	21853.6	719236.1
55	-415719	21631.4	719785.8
54	-416764.1	17455.2	718182.3
53	-435435.9	13411.1	714409.9
52	-454417.6	11109.3	713084.3
51	-465330.9	9938.54	712030.4
50	-468972.1	10042.7	712336.6
49	-470062.3	10689.2	712462
48	-470787.7	10702.2	712641.4
47	-470322.1	10536	713330.3
46	-471006.9	9986.6	714527.8
45	-471427.1	9251.93	715813
44	-471490.2	9225.82	719029.3
43	-471132.3	8965.33	720648
42	-472055.21	9469.98	715704.3
41	-472304.44	8995.1	710635.5
40	-472469.23	8730.96	708913.62
39	-472764.02	8852.38	708183.43
38	-472910.08	8430.62	707985.15
37	-472880.55	8110.86	708079.51
36	-472816.21	8329.41	707138.12
35	-473124.07	7858.24	706726.47
34	-473545.59	8131.21	707044.16
33	-473551.77	8414.74	707560.98
32	-473263.65	8628.98	706984.07
31	-473131.34	9242.88	707171.75
30	-473319.9	9542.67	707650.58
29	-473317.62	10587.2	707754.17
28	-472483.38	12260.5	709251.08
27	-471067.5	13499.6	711539.7
26	-469551.9	15358	713697.9
25	-468086.4	17135.5	715003
24	-465327.3	15742.2	715269.2
23	-464257.7	13157.6	714524.5
22	-462996.7	11167.1	712468.7
21	-462394	9644.21	710178.3
20	-466155.7	9262	708038.49
19	-471009.7	9030.91	706397.55
18	-473546.33	8896.14	706426.97
17	-474684.9	8638.35	707017.92
16	-475545.12	8376.45	706968.52
15	-475532.29	8664.79	706321.25
14	-475188.19	8297.22	705918.43
13	-474731.76	8376.91	706358.6
12	-474504.12	7991.83	706752.01
11	-474258.01	7827.01	706480.51
10	-474616.23	7644.7	706518.83
9	-474128.24	7432.3	706331.45
8	-472864.47	7141.19	706101.88
7	-471125	7724.41	706431.18

6	-469850.7	7482.34	706988.77
5	-468485.3	7277.12	707613.57
4	-468994.7	6865.59	707102.73
3	-470026.5	5496.41	705606.16
2	-472834.11	3430.55	704455.45
1	-475879.29	1866.37	702938.57
0	-479125.48	807.834	700982.52
-1	-480925.9	366.924	700193
-2	-481595.954	231.82	700122.153
-3	-481926.2285	132.412	700110.37
-4	-481960.5654	150.973	700129.497
-5	-481974.2429	101.787	700071.8598
-6	-481991.7155	103.696	700083.2001
-7	-481998.1949	124.705	700082.8944
-8	-481982.2185	87.0936	700066.2239
-9	-481987.7695	109.062	700130.426
-10	-481981.8828	150.56	700068.7404
-11	-481999.9144	154.946	700043.8751



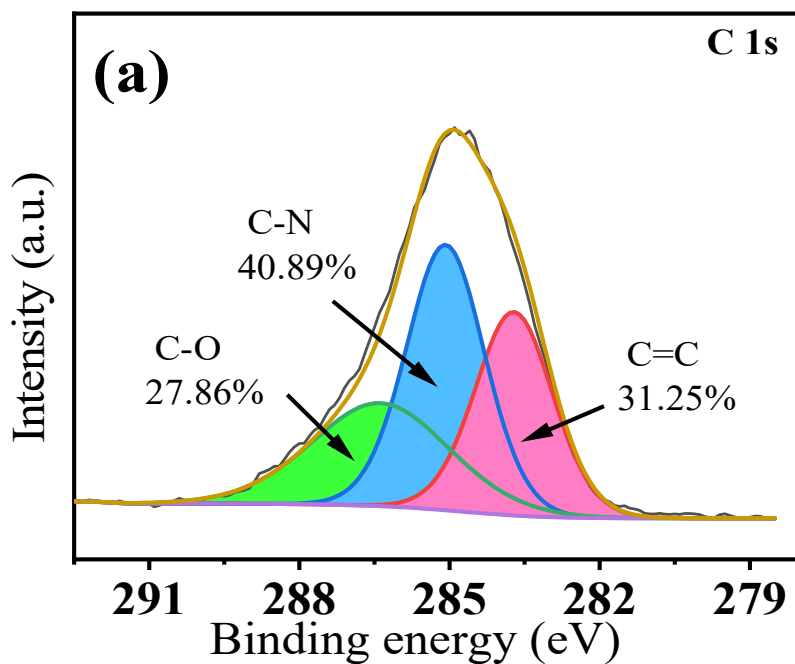
Binding energy (eV)	Intensity (a.u.)					
	LineA	LineB	LineC	LineD	LineE	LineF
297.2	3719.94	3740.42	3740.42	3740.42	3740.42	3740.42
297.1	3674.9	3701.16	3701.16	3701.16	3701.16	3701.16
297	3775.16	3672.49	3672.49	3672.49	3672.49	3672.49
296.9	3754.44	3651.07	3651.07	3651.07	3651.07	3651.07
296.8	3637.99	3649.8	3649.8	3649.8	3649.8	3649.8
296.7	3570.04	3643.82	3643.82	3643.82	3643.82	3643.82
296.6	3617.68	3626.27	3626.27	3626.27	3626.27	3626.27
296.5	3622.84	3608.37	3608.37	3608.37	3608.37	3608.37
296.4	3486.66	3587.84	3587.84	3587.84	3587.84	3587.84
296.3	3675.64	3572.62	3572.62	3572.62	3572.62	3572.62
296.2	3730.02	3562.17	3562.17	3562.17	3562.17	3562.17
296.1	3530.15	3549.04	3549.04	3549.04	3549.04	3549.04
296	3518.3	3536.75	3536.75	3536.75	3536.75	3536.75
295.9	3485.95	3530.57	3530.57	3530.57	3530.57	3530.57
295.8	3525.29	3526.51	3526.51	3526.51	3526.51	3526.51
295.7	3563.77	3505.62	3505.62	3505.62	3505.62	3505.62
295.6	3428.17	3476.42	3476.42	3476.42	3476.42	3476.42
295.5	3414.86	3454.45	3454.45	3454.45	3454.45	3454.45
295.4	3477.47	3445.89	3445.89	3445.89	3445.89	3445.89
295.3	3441.98	3441.98	3441.98	3441.98	3441.98	3441.98
295.2	3445.81	3412.57	3412.57	3412.57	3412.57	3412.57
295.1	3408.85	3381.71	3381.71	3381.71	3381.71	3381.71
295	3288.48	3367.21	3367.21	3367.21	3367.21	3367.21
294.9	3424.2	3343.16	3343.16	3343.16	3343.16	3343.16
294.8	3442.92	3324.08	3324.08	3324.08	3324.08	3324.08
294.7	3201.72	3309.5	3309.5	3309.5	3309.5	3309.5
294.6	3224.36	3282.2	3282.2	3282.2	3282.2	3282.2
294.5	3268.61	3254.22	3254.22	3254.23	3254.22	3254.23
294.4	3150.35	3230.66	3230.66	3230.67	3230.66	3230.67
294.3	3267.55	3192.64	3192.64	3192.65	3192.64	3192.65
294.2	3281.61	3154.19	3154.19	3154.21	3154.19	3154.21
294.1	3145.51	3137.71	3137.71	3137.74	3137.71	3137.74
294	3101.11	3124.42	3124.42	3124.46	3124.42	3124.46
293.9	3029.29	3100	3100	3100.04	3100	3100.04
293.8	3005.95	3081.13	3081.13	3081.19	3081.13	3081.19
293.7	3020.05	3060.12	3060.12	3060.19	3060.12	3060.19
293.6	3020.45	3029.91	3029.91	3030.02	3029.91	3030.02
293.5	3078.17	3005.61	3005.61	3005.74	3005.61	3005.74
293.4	2999.9	2986.07	2986.07	2986.24	2986.07	2986.24
293.3	2942.87	2969.67	2969.67	2969.9	2969.67	2969.9
293.2	3036.37	2963.03	2963.03	2963.32	2963.03	2963.32
293.1	2949.39	2959.85	2959.85	2960.22	2959.85	2960.22
293	2878.12	2949.39	2949.39	2949.87	2949.39	2949.87
292.9	2886.19	2931.97	2931.97	2932.6	2931.97	2932.6
292.8	2848.91	2928.42	2928.42	2929.22	2928.42	2929.22
292.7	2932.91	2927.73	2927.73	2928.76	2927.73	2928.76
292.6	2985.03	2924.66	2924.66	2925.96	2924.66	2925.96
292.5	2905.41	2922.69	2922.69	2924.34	2922.69	2924.34
292.4	2886.63	2919.66	2919.66	2921.75	2919.66	2921.75
292.3	2960.81	2914.86	2914.86	2917.5	2914.86	2917.5
292.2	2997.82	2909.8	2909.8	2913.11	2909.8	2913.11
292.1	2953.78	2902.31	2902.31	2906.46	2902.31	2906.46
292	2944.45	2891.55	2891.55	2896.73	2891.55	2896.73
291.9	2884.09	2880.37	2880.37	2886.82	2880.37	2886.82

Binding energy (eV)	Intensity (a.u.)					
	LineA	LineB	LineC	LineD	LineE	LineF
291.8	2826.59	2868.45	2868.45	2876.47	2868.45	2876.47
291.7	2855.98	2853.73	2853.73	2863.64	2853.73	2863.64
291.6	2947.74	2839.91	2839.91	2852.13	2839.91	2852.13
291.5	2881.18	2827.53	2827.53	2842.56	2827.53	2842.56
291.4	2810.34	2816.76	2816.76	2835.19	2816.76	2835.19
291.3	2857.07	2812.16	2812.16	2834.67	2812.16	2834.67
291.2	2791.62	2811.51	2811.51	2838.92	2811.51	2838.92
291.1	2823.46	2810.9	2810.9	2844.18	2810.9	2844.18
291	2791.22	2810.84	2810.84	2851.11	2810.84	2851.11
290.9	2650.69	2810.79	2810.79	2859.36	2810.79	2859.36
290.8	2716.09	2810.71	2810.71	2869.12	2810.71	2869.12
290.7	2819.53	2810.62	2810.62	2880.62	2810.62	2880.62
290.6	2830.92	2810.51	2810.51	2894.15	2810.51	2894.15
290.5	2955.64	2810.39	2810.39	2909.99	2810.39	2909.99
290.4	3073.1	2810.25	2810.25	2928.48	2810.25	2928.48
290.3	2989.34	2810.08	2810.08	2949.98	2810.08	2949.98
290.2	2958.35	2809.87	2809.87	2974.86	2809.87	2974.86
290.1	2991.5	2809.61	2809.61	3003.56	2809.61	3003.56
290	2986.84	2809.31	2809.31	3036.56	2809.31	3036.56
289.9	3017.81	2808.97	2808.98	3074.36	2808.97	3074.36
289.8	3112.75	2808.6	2808.61	3117.5	2808.6	3117.51
289.7	3198.78	2808.2	2808.22	3166.55	2808.2	3166.57
289.6	3225.43	2807.76	2807.8	3222.08	2807.76	3222.11
289.5	3186.1	2807.26	2807.32	3284.67	2807.26	3284.73
289.4	3236.57	2806.71	2806.8	3354.93	2806.71	3355.02
289.3	3366.42	2806.06	2806.21	3433.42	2806.06	3433.57
289.2	3432.2	2805.27	2805.52	3520.7	2805.27	3520.95
289.1	3485.1	2804.36	2804.76	3617.33	2804.36	3617.73
289	3576.11	2803.31	2803.95	3723.81	2803.31	3724.45
288.9	3903.2	2802.11	2803.11	3840.59	2802.11	3841.6
288.8	4323.72	2800.76	2802.32	3968.02	2800.76	3969.59
288.7	4409.72	2799.22	2801.63	4106.34	2799.22	4108.75
288.6	4527.83	2797.48	2801.16	4255.63	2797.48	4259.33
288.5	4692.8	2795.51	2801.09	4415.86	2795.5	4421.44
288.4	4694.97	2793.3	2801.66	4586.78	2793.29	4595.16
288.3	5032.97	2790.86	2803.26	4767.99	2790.85	4780.42
288.2	5403.26	2788.19	2806.4	4958.83	2788.17	4977.1
288.1	5666.01	2785.31	2811.79	5158.41	2785.26	5184.99
288	5835.52	2782.21	2820.35	5365.55	2782.12	5403.86
287.9	5854.48	2778.86	2833.26	5578.76	2778.72	5633.43
287.8	6221.11	2775.24	2852.09	5796.29	2775.03	5873.56
287.7	6512.83	2771.36	2878.82	6016.1	2771.02	6124.24
287.6	6651.38	2767.24	2916.04	6235.91	2766.7	6385.79
287.5	7126.49	2762.9	2966.9	6453.19	2762.04	6658.9
287.4	7552.41	2758.37	3035.28	6665.22	2757.04	6944.79
287.3	7768.03	2753.75	3125.85	6869.12	2751.7	7245.33
287.2	8126.48	2749.1	3244.1	7061.89	2745.97	7563.16
287.1	8627.08	2744.55	3396.34	7240.52	2739.82	7901.78
287	9012.22	2740.29	3589.69	7402.03	2733.21	8265.6
286.9	9232.98	2736.58	3831.95	7543.57	2726.08	8659.94
286.8	9587.42	2733.82	4131.39	7662.56	2718.41	9090.95
286.7	10304.6	2732.57	4496.42	7756.74	2710.19	9565.34
286.6	11016.9	2733.58	4935.02	7824.18	2701.39	10090
286.5	11685.5	2737.8	5454.14	7863.41	2691.93	10671.5



Binding energy (eV)	Intensity (a.u.)					
	LineA	LineB	LineC	LineD	LineE	LineF
286.4	12416.7	2746.49	6058.86	7873.46	2681.79	11315.2
286.3	12929.3	2761.29	6751.5	7853.93	2670.92	12024.9
286.2	13499	2784.25	7530.46	7804.92	2659.28	12801.1
286.1	14435	2817.93	8389.22	7727.08	2646.81	13640.6
286	15381.5	2865.51	9315.47	7621.66	2633.52	14535.6
285.9	16011.1	2930.82	10290.3	7490.39	2619.46	15472.6
285.8	16801.8	3018.29	11287.8	7335.37	2604.6	16432.3
285.7	17747.5	3133.03	12275.8	7159.05	2588.94	17390
285.6	18169.6	3280.72	13216.8	6964.12	2572.47	18316.7
285.5	18603.1	3467.56	14069.9	6753.47	2555.18	19180.5
285.4	19419.3	3700.11	14794.2	6530.15	2537.18	19950.1
285.3	20117.7	3984.9	15351.7	6297.21	2518.5	20596.8
285.2	20933.3	4328.07	15711.1	6057.67	2499.27	21098.3
285.1	21274.3	4734.74	15851	5814.38	2479.55	21441
285	21453.1	5208.37	15762.1	5570.02	2459.42	21621.7
284.9	21757.6	5750.03	15448.7	5327.05	2438.97	21647.9
284.8	21405.5	6357.57	14927.7	5087.73	2418.34	21536.3
284.7	21381	7024.76	14226.9	4854.03	2397.64	21310.4
284.6	21596.1	7740.56	13382.2	4627.61	2376.97	20996.4
284.5	21172.8	8488.78	12434.2	4409.92	2356.51	20619.8
284.4	20213.1	9247.88	11424.1	4202.06	2336.34	20201.3
284.3	19849.6	9991.53	10391.2	4004.88	2316.57	19754.5
284.2	19553.4	10689.8	9370.19	3819.03	2297.33	19284.4
284.1	18699.3	11310.9	8389.6	3644.85	2278.66	18788
284	18180.7	11823.5	7471.19	3482.51	2260.64	18256
283.9	17346	12199.9	6629.99	3332.07	2243.39	17675.1
283.8	16281.8	12418	5874.78	3193.37	2226.96	17032.3
283.7	15533.5	12464.5	5208.95	3066.11	2211.36	16316.8
283.6	14756.6	12335.7	4631.63	2949.91	2196.64	15523.9
283.5	13861	12038.3	4138.72	2844.34	2182.86	14655.7
283.4	12884.9	11588.6	3723.91	2748.87	2170.03	13721.3
283.3	11789.5	11010.7	3379.51	2662.97	2158.2	12736.7
283.2	10960.8	10333.7	3097.22	2586.04	2147.37	11722.2
283.1	10149.2	9589.38	2868.62	2517.45	2137.52	10700.4
283	9106.16	8809.39	2685.64	2456.59	2128.66	9694.3
282.9	8198.32	8022.8	2540.8	2402.87	2120.76	8724.97
282.8	7279.3	7254.67	2427.38	2355.66	2113.77	7810.17
282.7	6474.34	6525.04	2339.47	2314.38	2107.65	6963.58
282.6	5735.25	5848.63	2272.02	2278.44	2102.35	6194.38
282.5	5127.78	5235.04	2220.77	2247.31	2097.81	5507.5
282.4	4714.41	4689.3	2182.21	2220.49	2093.98	4904.05
282.3	4186.56	4212.53	2153.45	2197.47	2090.76	4381.95
282.2	3687.72	3802.88	2132.18	2177.79	2088.07	3936.73
282.1	3364.5	3456.32	2116.58	2161.03	2085.84	3562.26
282	3126.97	3167.35	2105.2	2146.81	2083.99	3251.39
281.9	3002.5	2929.71	2096.94	2134.76	2082.44	2996.52
281.8	2893.6	2736.82	2090.96	2124.58	2081.16	2790.06
281.7	2709.98	2582.24	2086.66	2116.02	2080.09	2624.74
281.6	2668.58	2459.84	2083.55	2108.83	2079.19	2493.84
281.5	2698.99	2364.07	2081.3	2102.8	2078.44	2391.3
281.4	2572.97	2289.97	2079.65	2097.76	2077.79	2311.8
281.3	2535.92	2233.27	2078.42	2093.53	2077.22	2250.78
281.2	2468.93	2190.35	2077.49	2090.01	2076.72	2204.4
281.1	2322.42	2158.21	2076.77	2087.07	2076.28	2169.48

Binding energy (eV)	Intensity (a.u.)					
	LineA	LineB	LineC	LineD	LineE	LineF
281	2290.34	2134.37	2076.2	2084.62	2075.89	2143.4
280.9	2286.13	2116.88	2075.73	2082.58	2075.54	2124.1
280.8	2318.27	2104.16	2075.34	2080.89	2075.23	2109.94
280.7	2282.56	2095	2075.02	2079.48	2074.95	2099.61
280.6	2264.19	2088.45	2074.73	2078.31	2074.68	2092.11
280.5	2285.5	2083.79	2074.47	2077.33	2074.44	2086.71
280.4	2261.1	2080.5	2074.22	2076.5	2074.21	2082.81
280.3	2309.68	2078.17	2073.99	2075.8	2073.98	2080
280.2	2312.25	2076.54	2073.78	2075.21	2073.78	2077.98
280.1	2283.9	2075.4	2073.6	2074.72	2073.59	2076.53
280	2259.07	2074.58	2073.41	2074.29	2073.41	2075.47
279.9	2158.15	2073.98	2073.23	2073.92	2073.23	2074.67
279.8	2102.35	2073.53	2073.05	2073.59	2073.05	2074.07
279.7	2108	2073.19	2072.89	2073.31	2072.89	2073.6
279.6	2245.13	2072.93	2072.75	2073.07	2072.75	2073.26
279.5	2292.23	2072.75	2072.63	2072.88	2072.63	2073
279.4	2209.45	2072.6	2072.53	2072.73	2072.53	2072.79
279.3	2134.85	2072.48	2072.44	2072.59	2072.44	2072.63
279.2	2077.8	2072.37	2072.35	2072.46	2072.35	2072.49
279.1	2071.41	2072.27	2072.25	2072.34	2072.25	2072.35
279	2124.58	2072.18	2072.17	2072.23	2072.17	2072.24
278.9	2180.2	2072.1	2072.09	2072.14	2072.09	2072.15
278.8	2170.19	2072.04	2072.03	2072.07	2072.03	2072.07
278.7	2104.8	2071.99	2071.99	2072.02	2071.99	2072.02
278.6	2036.13	2071.95	2071.95	2071.97	2071.95	2071.97
278.5	2024.47	2071.9	2071.9	2071.91	2071.9	2071.92

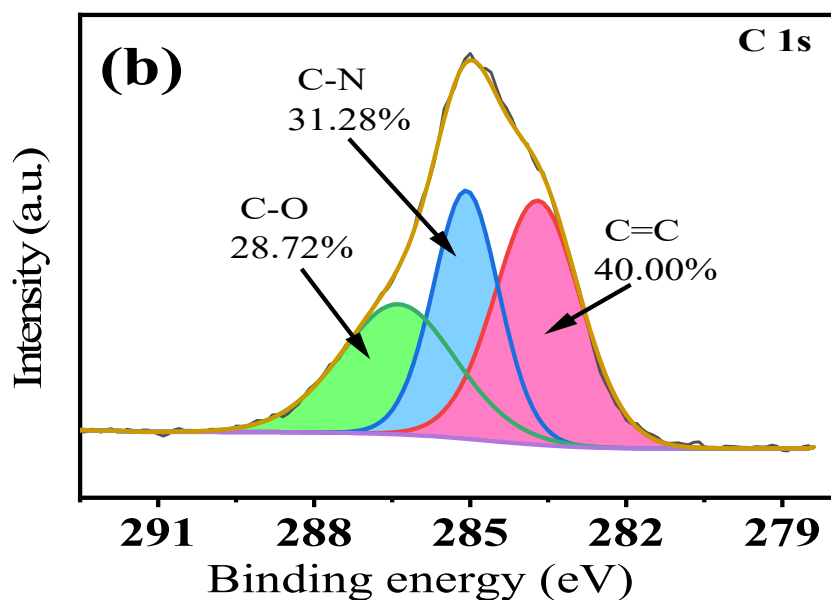


Binding energy (eV)	Intensity (a.u.)					
	LineA	LineB	LineC	LineD	LineE	LineF
297.1	2958.14	2982.45	2982.45	2982.45	2982.45	2982.45
297	2878.34	2980.3	2980.3	2980.3	2980.3	2980.3
296.9	3027.19	2977.51	2977.51	2977.51	2977.51	2977.51
296.8	3021.78	2974.16	2974.16	2974.16	2974.16	2974.16
296.7	2930.5	2961.21	2961.21	2961.21	2961.21	2961.21
296.6	2932.15	2951.92	2951.92	2951.92	2951.92	2951.92
296.5	2990.02	2942.14	2942.14	2942.14	2942.14	2942.14
296.4	2996.24	2941.27	2941.27	2941.27	2941.27	2941.27
296.3	2926.86	2925.01	2925.01	2925.01	2925.01	2925.01
296.2	2868.98	2907.92	2907.92	2907.92	2907.92	2907.92
296.1	2909.5	2906.24	2906.24	2906.24	2906.24	2906.24
296	2881.98	2901.19	2901.19	2901.19	2901.19	2901.19
295.9	2919.03	2894.59	2894.59	2894.59	2894.59	2894.59
295.8	2854.32	2889.99	2889.99	2889.99	2889.99	2889.99
295.7	2777.55	2875.71	2875.71	2875.71	2875.71	2875.71
295.6	2911.97	2865.9	2865.9	2865.9	2865.9	2865.9
295.5	2876.7	2853.09	2853.09	2853.09	2853.09	2853.09
295.4	2917.37	2841.98	2841.98	2841.98	2841.98	2841.98
295.3	2945.69	2829.97	2829.97	2829.97	2829.97	2829.97
295.2	2769.75	2818.2	2818.2	2818.2	2818.2	2818.2
295.1	2761	2814.81	2814.81	2814.81	2814.81	2814.81
295	2768.64	2798.41	2798.41	2798.41	2798.41	2798.41
294.9	2759.82	2778.35	2778.35	2778.35	2778.35	2778.35
294.8	2786.91	2754.86	2754.86	2754.86	2754.86	2754.86
294.7	2724.86	2723.44	2723.44	2723.44	2723.44	2723.44
294.6	2740.26	2701.55	2701.55	2701.55	2701.55	2701.55
294.5	2731.52	2683.68	2683.68	2683.68	2683.68	2683.68
294.4	2656.07	2667	2667	2667	2667	2667
294.3	2658.93	2656.93	2656.93	2656.93	2656.93	2656.93
294.2	2600.11	2635.3	2635.3	2635.3	2635.3	2635.3
294.1	2528.96	2610.39	2610.39	2610.39	2610.39	2610.39
294	2564.46	2597.19	2597.19	2597.19	2597.19	2597.19
293.9	2585.09	2587.94	2587.94	2587.94	2587.94	2587.94
293.8	2649.06	2582.72	2582.72	2582.72	2582.72	2582.72
293.7	2548.97	2571.18	2571.18	2571.18	2571.18	2571.18
293.6	2450.84	2561.79	2561.79	2561.79	2561.79	2561.79
293.5	2595.09	2559.56	2559.56	2559.56	2559.56	2559.56
293.4	2629.77	2555.74	2555.74	2555.74	2555.74	2555.74
293.3	2598.58	2544.59	2544.59	2544.59	2544.59	2544.59
293.2	2532.05	2525.79	2525.79	2525.79	2525.79	2525.79
293.1	2496.84	2520.16	2520.16	2520.16	2520.16	2520.16
293	2504.37	2515.44	2515.44	2515.45	2515.44	2515.45
292.9	2522.45	2496.1	2496.1	2496.11	2496.1	2496.11
292.8	2462.43	2483.1	2483.1	2483.11	2483.1	2483.11
292.7	2442.29	2471.35	2471.35	2471.37	2471.35	2471.37
292.6	2487.07	2456.82	2456.82	2456.84	2456.82	2456.84
292.5	2398.91	2453.64	2453.64	2453.67	2453.64	2453.67
292.4	2382.37	2453.06	2453.06	2453.11	2453.06	2453.11
292.3	2486.77	2440.77	2440.77	2440.84	2440.77	2440.84
292.2	2469.34	2433.98	2433.98	2434.08	2433.98	2434.08
292.1	2372.15	2433.57	2433.57	2433.71	2433.57	2433.71
292	2461.9	2431.19	2431.19	2431.38	2431.19	2431.38
291.9	2505.2	2428.91	2428.91	2429.17	2428.91	2429.17
291.8	2384.18	2426.04	2426.04	2426.4	2426.04	2426.4

Binding energy (eV)	Intensity (a.u.)					
	LineA	LineB	LineC	LineD	LineE	LineF
291.7	2383.63	2418.99	2418.99	2419.48	2418.99	2419.48
291.6	2481.49	2410.29	2410.29	2410.96	2410.29	2410.96
291.5	2449.81	2401.1	2401.1	2402.01	2401.1	2402.01
291.4	2379.91	2390.94	2390.94	2392.17	2390.94	2392.17
291.3	2455.22	2385.67	2385.67	2387.31	2385.67	2387.31
291.2	2454.87	2385.62	2385.62	2387.81	2385.62	2387.81
291.1	2394.23	2385.56	2385.56	2388.47	2385.56	2388.47
291	2309.73	2385.49	2385.49	2389.34	2385.49	2389.34
290.9	2235.34	2385.42	2385.42	2390.48	2385.42	2390.48
290.8	2313.99	2385.36	2385.36	2391.98	2385.36	2391.98
290.7	2450.38	2385.28	2385.28	2393.91	2385.28	2393.91
290.6	2512.59	2385.22	2385.22	2396.4	2385.22	2396.4
290.5	2443.56	2385.16	2385.16	2399.59	2385.16	2399.59
290.4	2443.93	2385.09	2385.09	2403.62	2385.09	2403.62
290.3	2435.6	2385	2385	2408.68	2385	2408.68
290.2	2368.1	2384.88	2384.88	2415	2384.88	2415
290.1	2392.36	2384.75	2384.75	2422.86	2384.75	2422.86
290	2479.93	2384.61	2384.61	2432.61	2384.61	2432.61
289.9	2479.28	2384.47	2384.47	2444.61	2384.47	2444.61
289.8	2470.8	2384.3	2384.3	2459.3	2384.3	2459.3
289.7	2478.27	2384.12	2384.12	2477.19	2384.12	2477.19
289.6	2449.86	2383.91	2383.91	2498.83	2383.91	2498.83
289.5	2600.39	2383.65	2383.65	2524.86	2383.65	2524.86
289.4	2591.22	2383.34	2383.35	2555.98	2383.34	2555.98
289.3	2584.01	2383	2383	2593.01	2383	2593.01
289.2	2693.42	2382.59	2382.59	2636.78	2382.59	2636.78
289.1	2796.47	2382.12	2382.12	2688.23	2382.12	2688.23
289	2799.72	2381.6	2381.6	2748.34	2381.59	2748.34
288.9	2802.16	2381	2381.01	2818.12	2381	2818.13
288.8	3008.22	2380.33	2380.35	2898.6	2380.33	2898.62
288.7	3012.4	2379.57	2379.6	2990.81	2379.57	2990.85
288.6	2930.25	2378.69	2378.73	3095.7	2378.67	3095.77
288.5	3050.3	2377.66	2377.74	3214.17	2377.64	3214.3
288.4	3239.54	2376.48	2376.64	3347	2376.45	3347.22
288.3	3394.63	2375.14	2375.42	3494.77	2375.09	3495.15
288.2	3668.32	2373.61	2374.12	3657.82	2373.53	3658.48
288.1	3938.01	2371.88	2372.77	3836.19	2371.76	3837.33
288	4093.91	2369.96	2371.49	4029.55	2369.76	4031.48
287.9	4264.05	2367.82	2370.42	4237.13	2367.51	4240.36
287.8	4524.59	2365.46	2369.8	4457.65	2364.97	4462.95
287.7	4823.11	2362.88	2370.02	4689.29	2362.14	4697.9
287.6	4903.41	2360.14	2371.67	4929.66	2359.01	4943.44
287.5	5102.25	2357.28	2375.63	5175.8	2355.58	5197.54
287.4	5518.84	2354.37	2383.14	5424.11	2351.85	5457.92
287.3	5730.72	2351.53	2395.9	5670.47	2347.79	5722.32
287.2	5961.82	2348.89	2416.28	5910.3	2343.4	5988.67
287.1	6211.61	2346.66	2447.43	6138.67	2338.67	6255.42
287	6563.44	2345.14	2493.5	6350.51	2333.62	6521.92
286.9	6804.67	2344.69	2559.74	6540.68	2328.22	6788.68
286.8	7100.89	2345.79	2652.65	6704.29	2322.45	7057.84
286.7	7413.76	2349.09	2780.06	6836.89	2316.31	7333.43
286.6	7540.01	2355.41	2951.05	6934.67	2309.78	7621.58
286.5	7833.42	2365.79	3175.65	6994.66	2302.82	7930.47
286.4	8245.8	2381.49	3464.4	7014.88	2295.37	8270.03

Binding energy (eV)	Intensity (a.u.)					
	LineA	LineB	LineC	LineD	LineE	LineF
286.3	8669.8	2404.15	3827.52	6994.49	2287.41	8651.33
286.2	9046.78	2435.75	4273.73	6933.82	2278.9	9085.5
286.1	9570.21	2478.66	4808.7	6834.34	2269.8	9582.1
286	10358.9	2535.67	5433.12	6698.55	2260.04	10147.3
285.9	10944.8	2609.98	6140.67	6529.82	2249.52	10781.4
285.8	11437.6	2705.33	6916.25	6332.35	2238.2	11477.5
285.7	12079.6	2825.91	7734.54	6110.9	2226.11	12219.1
285.6	13002.1	2976.2	8559.68	5870.47	2213.22	12979.9
285.5	14095.5	3160.94	9346.68	5616.18	2199.51	13724.8
285.4	14491.1	3384.92	10044.8	5353.08	2185.03	14412.7
285.3	14858.2	3652.77	10602.7	5086.02	2169.91	15001.7
285.2	15482.6	3968.51	10975.1	4819.38	2154.22	15454.5
285.1	15900.1	4335.13	11129.3	4557	2138.05	15745.3
285	16104.8	4754.18	11050.5	4302.19	2121.46	15863.9
284.9	15793.9	5225.23	10744.2	4057.73	2104.64	15817.9
284.8	15576.8	5745.32	10235.7	3825.82	2087.77	15631.3
284.7	15559.3	6308.3	9565.33	3607.98	2070.92	15339.8
284.6	15420.9	6904.55	8782.58	3405.24	2054.18	14984
284.5	14881.4	7520.83	7939.44	3218.21	2037.68	14603.1
284.4	14374.6	8140.23	7084.22	3047.03	2021.49	14228.5
284.3	14117.8	8742.69	6257.38	2891.49	2005.67	13880.2
284.2	13741.4	9305.84	5489.22	2751.11	1990.24	13565.7
284.1	13271.9	9806.28	4799.53	2625.18	1975.21	13280.6
284	12966.3	10221.2	4198.45	2512.83	1960.61	13011.3
283.9	12817.5	10530.4	3688.27	2413.15	1946.46	12738.9
283.8	12284.9	10717.7	3265.37	2325.13	1932.79	12442.6
283.7	11915.2	10772.7	2922.22	2247.74	1919.62	12103.4
283.6	11800.6	10691.9	2649.14	2179.99	1906.99	11707
283.5	11281.1	10478.9	2435.57	2120.89	1894.9	11245.5
283.4	10605.4	10144	2271.15	2069.51	1883.39	10717.9
283.3	9937.66	9703.56	2146.33	2025.02	1872.49	10129.9
283.2	9363.7	9177.88	2052.74	1986.65	1862.28	9492.7
283.1	8905.88	8589.82	1983.26	1953.7	1852.8	8821.19
283	8201.77	7962.81	1932.11	1925.54	1844.07	8132.32
282.9	7524.62	7319.33	1894.71	1901.64	1836.18	7443.31
282.8	6784.82	6679.48	1867.44	1881.44	1829.11	6770.14
282.7	5953.64	6060.19	1847.55	1864.44	1822.81	6126.56
282.6	5208.99	5474.82	1832.99	1850.23	1817.27	5523.5
282.5	4549.45	4933.02	1822.29	1838.41	1812.44	4968.84
282.4	4147.46	4441.02	1814.39	1828.67	1808.31	4467.46
282.3	3801.19	4001.9	1808.51	1820.7	1804.81	4021.48
282.2	3387.01	3616.16	1804.09	1814.21	1801.87	3630.7
282.1	3172.58	3282.29	1800.73	1808.96	1799.43	3293.12
282	2819.57	2997.28	1798.15	1804.72	1797.4	3005.37
281.9	2682.76	2757.13	1796.13	1801.31	1795.7	2763.18
281.8	2693.42	2557.26	1794.52	1798.55	1794.28	2561.78
281.7	2498.23	2392.89	1793.23	1796.33	1793.1	2396.27
281.6	2354.75	2259.26	1792.2	1794.57	1792.13	2261.77
281.5	2285.73	2151.79	1791.36	1793.15	1791.32	2153.66
281.4	2181.38	2066.28	1790.67	1792.02	1790.65	2067.67
281.3	2030.56	1998.94	1790.09	1791.1	1790.08	1999.97
281.2	1974.82	1946.45	1789.6	1790.35	1789.6	1947.2
281.1	1974.74	1905.94	1789.2	1789.75	1789.19	1906.49
281	1991.01	1874.96	1788.85	1789.25	1788.84	1875.37

Binding energy (eV)	Intensity (a.u.)					
	LineA	LineB	LineC	LineD	LineE	LineF
280.9	1944.25	1851.52	1788.55	1788.85	1788.55	1851.82
280.8	1922.47	1833.95	1788.31	1788.53	1788.31	1834.16
280.7	2010.09	1820.9	1788.12	1788.27	1788.12	1821.05
280.6	2025.96	1811.29	1787.94	1788.06	1787.94	1811.4
280.5	1842.42	1804.26	1787.79	1787.86	1787.79	1804.34
280.4	1833.32	1799.16	1787.64	1787.7	1787.64	1799.22
280.3	1833.17	1795.5	1787.51	1787.55	1787.51	1795.54
280.2	1792.64	1792.89	1787.39	1787.42	1787.39	1792.91
280.1	1870.82	1791.03	1787.29	1787.31	1787.29	1791.05
280	1859.92	1789.73	1787.2	1787.22	1787.2	1789.74
279.9	1849.54	1788.83	1787.14	1787.15	1787.14	1788.84
279.8	1831.8	1788.2	1787.08	1787.08	1787.08	1788.2
279.7	1825.37	1787.75	1787.01	1787.02	1787.01	1787.75
279.6	1818.16	1787.42	1786.94	1786.94	1786.94	1787.42
279.5	1852.08	1787.17	1786.86	1786.86	1786.86	1787.17
279.4	1834.85	1786.99	1786.79	1786.8	1786.79	1786.99
279.3	1841.18	1786.88	1786.75	1786.75	1786.75	1786.88
279.2	1906.98	1786.79	1786.71	1786.71	1786.71	1786.79
279.1	1868.58	1786.73	1786.68	1786.68	1786.68	1786.73
279	1714.32	1786.67	1786.64	1786.64	1786.64	1786.67
278.9	1691.25	1786.62	1786.6	1786.6	1786.6	1786.62
278.8	1802.16	1786.57	1786.56	1786.56	1786.56	1786.57
278.7	1773.81	1786.53	1786.53	1786.53	1786.53	1786.53
278.6	1852.34	1786.5	1786.49	1786.49	1786.49	1786.5
278.5	1885.01	1786.48	1786.48	1786.48	1786.48	1786.48
278.4	1815.73	1835.75	1835.75	1835.75	1835.75	1835.75



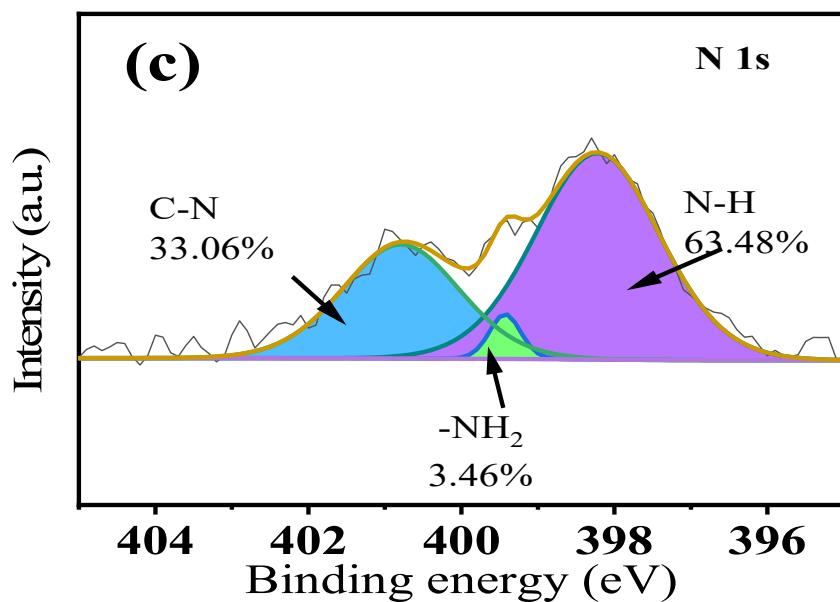
Binding energy (eV)	Intensity (a.u.)					
	LineA	LineB	LineC	LineD	LineE	LineF
409.4	4347.79	0	0	0	0	4347.79
409.3	4338.93	0	0	0	0	4338.93
409.2	4416.73	4347.14	4347.14	4347.14	4347.14	4347.14
409.1	4364.66	4347.13	4347.13	4347.13	4347.13	4347.13
409	4267.6	4347.11	4347.11	4347.11	4347.11	4347.11
408.9	4368.58	4347.09	4347.09	4347.09	4347.09	4347.09
408.8	4401.19	4347.07	4347.07	4347.07	4347.07	4347.07
408.7	4515.85	4347.04	4347.04	4347.04	4347.04	4347.04
408.6	4509.07	4347.01	4347.01	4347.01	4347.01	4347.01
408.5	4430.18	4346.98	4346.98	4346.98	4346.98	4346.98
408.4	4568.13	4346.96	4346.96	4346.96	4346.96	4346.96
408.3	4531.11	4346.94	4346.94	4346.94	4346.94	4346.94
408.2	4466.57	4346.91	4346.91	4346.91	4346.91	4346.91
408.1	4372.39	4346.88	4346.88	4346.88	4346.88	4346.88
408	4201.32	4346.86	4346.86	4346.86	4346.86	4346.86
407.9	4330.78	4346.84	4346.84	4346.84	4346.84	4346.84
407.8	4437.81	4346.82	4346.82	4346.82	4346.82	4346.82
407.7	4389.59	4346.8	4346.8	4346.8	4346.8	4346.8
407.6	4378.9	4346.78	4346.78	4346.78	4346.78	4346.78
407.5	4438.46	4346.76	4346.76	4346.76	4346.76	4346.76
407.4	4501.51	4346.73	4346.73	4346.73	4346.73	4346.73
407.3	4504.47	4346.7	4346.7	4346.7	4346.7	4346.7
407.2	4514.83	4346.67	4346.67	4346.67	4346.67	4346.67
407.1	4530.8	4346.64	4346.64	4346.64	4346.64	4346.64
407	4473.97	4346.6	4346.6	4346.6	4346.6	4346.6
406.9	4393.85	4346.57	4346.57	4346.57	4346.57	4346.57
406.8	4421.01	4346.53	4346.53	4346.53	4346.53	4346.53
406.7	4476.68	4346.5	4346.5	4346.5	4346.5	4346.5
406.6	4447.73	4346.47	4346.47	4346.47	4346.47	4346.47
406.5	4345.83	4346.44	4346.44	4346.44	4346.44	4346.44
406.4	4372.31	4346.42	4346.42	4346.42	4346.42	4346.42
406.3	4450.42	4346.39	4346.39	4346.39	4346.39	4346.39
406.2	4464.91	4346.37	4346.37	4346.37	4346.37	4346.37
406.1	4513.39	4346.34	4346.34	4346.34	4346.34	4346.34
406	4459.99	4346.31	4346.31	4346.31	4346.31	4346.31
405.9	4349.49	4346.29	4346.29	4346.29	4346.29	4346.29
405.8	4424.57	4346.27	4346.27	4346.27	4346.27	4346.27
405.7	4459.58	4346.25	4346.25	4346.25	4346.25	4346.25
405.6	4428.4	4346.24	4346.24	4346.24	4346.24	4346.24
405.5	4402.85	4346.23	4346.23	4346.23	4346.23	4346.23
405.4	4260.82	4346.23	4346.23	4346.23	4346.23	4346.23
405.3	4203.74	4346.23	4346.23	4346.23	4346.23	4346.23
405.2	4245.4	4346.22	4346.22	4346.23	4346.22	4346.23
405.1	4310.76	4346.22	4346.22	4346.22	4346.22	4346.22
405	4351.86	4346.21	4346.21	4346.22	4346.21	4346.22
404.9	4426.58	4346.21	4346.21	4346.22	4346.21	4346.22
404.8	4457.3	4346.2	4346.2	4346.22	4346.2	4346.22
404.7	4414.42	4346.19	4346.19	4346.23	4346.19	4346.23
404.6	4446.75	4346.18	4346.18	4346.24	4346.18	4346.24
404.5	4488.7	4346.16	4346.16	4346.26	4346.16	4346.26
404.4	4479.72	4346.14	4346.14	4346.29	4346.14	4346.29
404.3	4354.74	4346.11	4346.11	4346.35	4346.11	4346.35
404.2	4283.45	4346.08	4346.08	4346.44	4346.08	4346.44
404.1	4370.53	4346.06	4346.06	4346.61	4346.06	4346.61

404	4556.63	4346.03	4346.03	4346.85	4346.03	4346.85
403.9	4538.36	4346	4346	4347.23	4346	4347.23
403.8	4395.32	4345.98	4345.98	4347.77	4345.98	4347.77
403.7	4361.17	4345.95	4345.95	4348.56	4345.95	4348.56
403.6	4463.58	4345.93	4345.93	4349.69	4345.93	4349.69
403.5	4543.98	4345.9	4345.9	4351.27	4345.9	4351.27
403.4	4443.31	4345.87	4345.87	4353.44	4345.87	4353.44
403.3	4388.23	4345.84	4345.84	4356.41	4345.84	4356.41
403.2	4312.13	4345.8	4345.8	4360.43	4345.8	4360.43
403.1	4362.12	4345.77	4345.76	4365.79	4345.76	4365.79
403	4558.2	4345.73	4345.72	4372.86	4345.72	4372.86
402.9	4686.59	4345.68	4345.68	4382.07	4345.68	4382.07
402.8	4597.35	4345.64	4345.63	4393.92	4345.63	4393.93
402.7	4438.76	4345.59	4345.58	4409	4345.58	4409.01
402.6	4512.16	4345.54	4345.51	4427.92	4345.51	4427.95
402.5	4589.38	4345.48	4345.44	4451.37	4345.44	4451.41
402.4	4656.35	4345.42	4345.36	4480.03	4345.36	4480.09
402.3	4672.31	4345.37	4345.28	4514.58	4345.28	4514.68
402.2	4650.51	4345.34	4345.19	4555.61	4345.19	4555.76
402.1	4736.31	4345.31	4345.09	4603.56	4345.09	4603.78
402	4620.44	4345.31	4344.97	4658.64	4344.97	4658.98
401.9	4649.04	4345.36	4344.85	4720.76	4344.85	4721.27
401.8	4901.62	4345.46	4344.71	4789.44	4344.71	4790.19
401.7	5015.92	4345.67	4344.55	4863.68	4344.55	4864.8
401.6	5015.53	4346.02	4344.39	4941.96	4344.39	4943.6
401.5	4941.29	4346.57	4344.2	5022.18	4344.2	5024.55
401.4	5072.11	4347.4	4344	5101.69	4344	5105.09
401.3	5106.36	4348.61	4343.77	5177.4	4343.77	5182.24
401.2	5114.44	4350.34	4343.52	5245.98	4343.52	5252.8
401.1	5308.22	4352.79	4343.26	5304.06	4343.26	5313.58
401	5528.21	4356.18	4342.99	5348.54	4342.99	5361.74
400.9	5506.53	4360.82	4342.71	5376.9	4342.71	5395.01
400.8	5432.06	4367.05	4342.41	5387.45	4342.41	5412.09
400.7	5363.59	4375.32	4342.11	5379.55	4342.11	5412.76
400.6	5287.52	4386.16	4341.81	5353.65	4341.81	5398.01
400.5	5378.03	4400.2	4341.51	5311.28	4341.5	5369.98
400.4	5410.48	4418.17	4341.24	5254.82	4341.19	5331.84
400.3	5348.89	4440.9	4341.15	5187.31	4340.9	5287.56
400.2	5261.7	4469.32	4341.68	5112.09	4340.62	5241.86
400.1	5238.65	4504.4	4344.3	5032.53	4340.33	5200.57
400	5170.67	4547.19	4352.86	4951.76	4340.04	5171.72
399.9	5098.68	4598.73	4375.48	4872.5	4339.75	5167.21
399.8	5181.39	4660	4424.82	4796.96	4339.45	5202.89
399.7	5394.43	4731.88	4511.6	4726.77	4339.15	5291.95
399.6	5456.78	4814.97	4626.92	4663	4338.84	5427.21
399.5	5585.36	4909.57	4725.29	4606.22	4338.52	5564.04
399.4	5605.61	5015.51	4745.49	4556.59	4338.19	5641.21
399.3	5471.76	5132.04	4672.58	4513.94	4337.85	5642.85
399.2	5589.17	5257.7	4556.04	4477.83	4337.49	5616.6
399.1	5616.42	5390.27	4453.77	4447.71	4337.1	5617.55
399	5539.52	5526.72	4388.93	4422.91	4336.69	5665.17
398.9	5633.02	5663.21	4356.21	4402.74	4336.26	5749.63
398.8	5907.44	5795.23	4342.37	4386.53	4335.82	5852.51
398.7	6106.86	5917.81	4337.21	4373.63	4335.35	5957.96
398.6	6186.14	6025.8	4335.32	4363.46	4334.86	6054.86
398.5	6192.08	6114.24	4334.45	4355.5	4334.35	6135.48



398.4	6237.02	6178.79	4333.85	4349.31	4333.83	6194.28
398.3	6363.42	6216.11	4333.3	4344.51	4333.3	6227.33
398.2	6241.59	6224.22	4332.75	4340.79	4332.75	6232.26
398.1	6127.41	6202.66	4332.21	4337.91	4332.21	6208.37
398	6210.35	6152.56	4331.67	4335.68	4331.67	6156.57
397.9	6087.6	6076.51	4331.15	4333.93	4331.15	6079.3
397.8	5978.26	5978.33	4330.64	4332.56	4330.64	5980.24
397.7	5943.74	5862.66	4330.16	4331.47	4330.16	5863.96
397.6	5735.36	5734.6	4329.72	4330.6	4329.72	5735.48
397.5	5676.31	5599.27	4329.31	4329.9	4329.31	5599.86
397.4	5513.87	5461.48	4328.93	4329.32	4328.93	5461.87
397.3	5303.95	5325.49	4328.59	4328.84	4328.59	5325.75
397.2	5162.94	5194.81	4328.28	4328.44	4328.28	5194.97
397.1	4973.33	5072.11	4328	4328.11	4328	5072.22
397	4918.07	4959.3	4327.76	4327.83	4327.76	4959.37
396.9	4851.77	4857.51	4327.55	4327.59	4327.55	4857.55
396.8	4801.53	4767.23	4327.36	4327.39	4327.36	4767.25
396.7	4767.23	4688.42	4327.21	4327.22	4327.21	4688.44
396.6	4755.6	4620.63	4327.07	4327.08	4327.07	4620.64
396.5	4715.66	4563.13	4326.95	4326.96	4326.95	4563.13
396.4	4606.5	4514.98	4326.85	4326.85	4326.85	4514.98
396.3	4537.88	4475.16	4326.76	4326.76	4326.76	4475.17
396.2	4545.41	4442.63	4326.69	4326.69	4326.69	4442.64
396.1	4452.58	4416.36	4326.62	4326.62	4326.62	4416.36
396	4367.09	4395.37	4326.57	4326.57	4326.57	4395.37
395.9	4416.78	4378.79	4326.53	4326.53	4326.53	4378.79
395.8	4375.13	4365.83	4326.49	4326.49	4326.49	4365.83
395.7	4360.5	4355.79	4326.45	4326.45	4326.45	4355.79
395.6	4376.7	4348.09	4326.41	4326.41	4326.41	4348.09
395.5	4498.37	4342.26	4326.38	4326.38	4326.38	4342.26
395.4	4535.57	4337.88	4326.35	4326.35	4326.35	4337.88
395.3	4534.85	4334.61	4326.32	4326.32	4326.32	4334.61
395.2	4535.38	4332.2	4326.29	4326.29	4326.29	4332.2
395.1	4339.04	4330.44	4326.26	4326.26	4326.26	4330.44
395	4287.57	4329.16	4326.23	4326.23	4326.23	4329.16
394.9	4352.26	4328.24	4326.21	4326.21	4326.21	4328.24
394.8	4420.19	4327.58	4326.18	4326.18	4326.18	4327.58
394.7	4393.87	4327.12	4326.17	4326.17	4326.17	4327.12
394.6	4377.04	4326.79	4326.15	4326.15	4326.15	4326.79
394.5	4329.19	4326.56	4326.13	4326.13	4326.13	4326.56
394.4	4278.93	4326.4	4326.11	4326.11	4326.11	4326.4
394.3	4445.86	4326.28	4326.09	4326.09	4326.09	4326.28
394.2	4460.71	4326.19	4326.07	4326.07	4326.07	4326.19
394.1	4489.19	4326.13	4326.05	4326.05	4326.05	4326.13
394	4450.33	4326.09	4326.04	4326.04	4326.04	4326.09
393.9	4333.59	4326.05	4326.02	4326.02	4326.02	4326.05
393.8	4394.81	4326.02	4326	4326	4326	4326.02
393.7	4319.99	4325.99	4325.98	4325.98	4325.98	4325.99
393.6	4296.55	4325.97	4325.96	4325.96	4325.96	4325.97
393.5	4408.06	4325.94	4325.94	4325.94	4325.94	4325.94
393.4	4396.11	4325.92	4325.92	4325.92	4325.92	4325.92
393.3	4377.49	4325.9	4325.9	4325.9	4325.9	4325.9
393.2	4437.58	4325.89	4325.89	4325.89	4325.89	4325.89
393.1	4428.74	4325.88	4325.88	4325.88	4325.88	4325.88
393	4464.38	4325.87	4325.87	4325.87	4325.87	4325.87
392.9	4339.34	4325.86	4325.86	4325.86	4325.86	4325.86

392.8	4153.6	4325.86	4325.86	4325.86	4325.86	4325.86
392.7	4307.41	4325.86	4325.86	4325.86	4325.86	4325.86
392.6	4352.56	4325.85	4325.85	4325.85	4325.85	4325.85
392.5	4194.12	4325.85	4325.85	4325.85	4325.85	4325.85
392.4	4240.36	4325.84	4325.84	4325.84	4325.84	4325.84
392.3	4386.62	4338.64	4338.64	4338.64	4338.64	4338.64
392.2	4449.63	4351.45	4351.45	4351.45	4351.45	4351.45
392.1	4458.37	4364.25	4364.25	4364.25	4364.25	4364.25
392	4356.44	4377.05	4377.05	4377.05	4377.05	4377.05
391.9	4345.83	4389.85	4389.85	4389.85	4389.85	4389.85
391.8	4401.76	4402.65	4402.65	4402.65	4402.65	4402.65
391.7	4321.21	4415.45	4415.45	4415.45	4415.45	4415.45
391.6	4356.11	4428.25	4428.25	4428.25	4428.25	4428.25
391.5	4516.8	4441.05	4441.05	4441.05	4441.05	4441.05
391.4	4570.1	0	0	0	0	4570.1

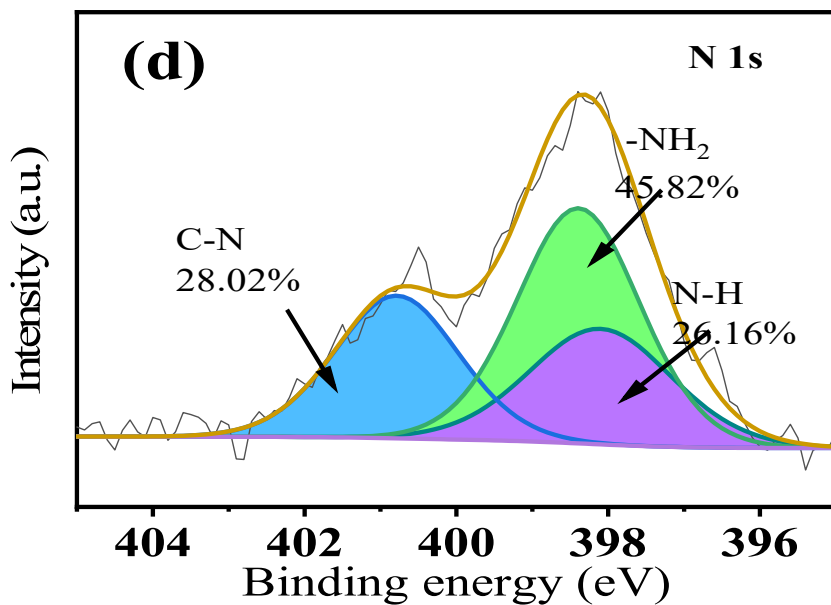


Binding energy (eV)	Intensity (a.u.)					
	LineA	LineB	LineC	LineD	LineE	LineF
409.3	3348.18	0	0	0	0	3348.18
409.2	3396.24	0	0	0	0	3396.24
409.1	3511.16	3398.34	3398.34	3398.34	3398.34	3398.34
409	3474.72	3357.48	3357.48	3357.48	3357.48	3357.48
408.9	3261.41	3357.47	3357.47	3357.47	3357.47	3357.47
408.8	3283.81	3357.47	3357.47	3357.47	3357.47	3357.47
408.7	3395.83	3357.43	3357.43	3357.43	3357.43	3357.43
408.6	3305.27	3357.38	3357.38	3357.38	3357.38	3357.38
408.5	3270.13	3357.32	3357.32	3357.32	3357.32	3357.32
408.4	3374.06	3357.28	3357.28	3357.28	3357.28	3357.28
408.3	3584.41	3357.25	3357.25	3357.25	3357.25	3357.25
408.2	3613.07	3357.21	3357.21	3357.21	3357.21	3357.21
408.1	3418.88	3357.16	3357.16	3357.16	3357.16	3357.16
408	3322.37	3357.1	3357.1	3357.1	3357.1	3357.1
407.9	3350.01	3357.02	3357.02	3357.02	3357.02	3357.02
407.8	3375.66	3356.94	3356.94	3356.94	3356.94	3356.94
407.7	3421.82	3356.87	3356.87	3356.87	3356.87	3356.87
407.6	3478.39	3356.82	3356.82	3356.82	3356.82	3356.82
407.5	3455.23	3356.79	3356.79	3356.79	3356.79	3356.79
407.4	3297.31	3356.76	3356.76	3356.76	3356.76	3356.76
407.3	3280.96	3356.73	3356.73	3356.73	3356.73	3356.73
407.2	3379.78	3356.69	3356.69	3356.69	3356.69	3356.69
407.1	3419.3	3356.66	3356.66	3356.66	3356.66	3356.66
407	3414.26	3356.64	3356.64	3356.64	3356.64	3356.64
406.9	3352.52	3356.63	3356.63	3356.63	3356.63	3356.63
406.8	3353.31	3356.62	3356.62	3356.62	3356.62	3356.62
406.7	3350.51	3356.61	3356.61	3356.61	3356.61	3356.61
406.6	3305.36	3356.6	3356.6	3356.6	3356.6	3356.6
406.5	3404.84	3356.58	3356.58	3356.58	3356.58	3356.58
406.4	3431.12	3356.54	3356.54	3356.54	3356.54	3356.54
406.3	3273.72	3356.5	3356.5	3356.5	3356.5	3356.5
406.2	3341.33	3356.45	3356.45	3356.45	3356.45	3356.45
406.1	3432.69	3356.39	3356.39	3356.39	3356.39	3356.39
406	3543.77	3356.34	3356.34	3356.34	3356.34	3356.34
405.9	3567.72	3356.27	3356.27	3356.27	3356.27	3356.27
405.8	3397.39	3356.19	3356.19	3356.19	3356.19	3356.19
405.7	3367.98	3356.12	3356.12	3356.12	3356.12	3356.12
405.6	3401.65	3356.04	3356.04	3356.04	3356.04	3356.04
405.5	3428.88	3355.95	3355.95	3355.95	3355.95	3355.95
405.4	3460.58	3355.86	3355.86	3355.86	3355.86	3355.86
405.3	3401.16	3355.78	3355.79	3355.78	3355.78	3355.79
405.2	3381.65	3355.73	3355.73	3355.73	3355.73	3355.73
405.1	3424.2	3355.66	3355.68	3355.66	3355.66	3355.68
405	3404.28	3355.6	3355.62	3355.6	3355.6	3355.62
404.9	3388.97	3355.55	3355.59	3355.55	3355.55	3355.59
404.8	3420.56	3355.51	3355.56	3355.51	3355.51	3355.56
404.7	3430.06	3355.47	3355.55	3355.47	3355.47	3355.55
404.6	3338.9	3355.43	3355.55	3355.43	3355.43	3355.55
404.5	3287.91	3355.39	3355.57	3355.39	3355.39	3355.57
404.4	3386.61	3355.35	3355.61	3355.35	3355.35	3355.61
404.3	3439.08	3355.3	3355.7	3355.3	3355.3	3355.7
404.2	3379.36	3355.27	3355.84	3355.27	3355.27	3355.84
404.1	3353.81	3355.23	3356.06	3355.23	3355.23	3356.06
404	3451.79	3355.19	3356.38	3355.19	3355.19	3356.38

Binding energy (eV)	Intensity (a.u.)					
	LineA	LineB	LineC	LineD	LineE	LineF
403.9	3439.93	3355.14	3356.84	3355.14	3355.14	3356.84
403.8	3337	3355.07	3357.47	3355.07	3355.07	3357.47
403.7	3379.89	3355	3358.35	3355	3355	3358.35
403.6	3476.83	3354.94	3359.59	3354.93	3354.93	3359.59
403.5	3466.79	3354.87	3361.26	3354.87	3354.87	3361.26
403.4	3453.1	3354.79	3363.49	3354.79	3354.79	3363.5
403.3	3422.39	3354.74	3366.48	3354.74	3354.74	3366.49
403.2	3347.66	3354.71	3370.41	3354.7	3354.7	3370.41
403.1	3435	3354.67	3375.47	3354.66	3354.66	3375.48
403	3414.37	3354.62	3381.94	3354.61	3354.6	3381.95
402.9	3242.42	3354.57	3390.12	3354.56	3354.55	3390.14
402.8	3239.46	3354.53	3400.34	3354.51	3354.5	3400.39
402.7	3431.52	3354.49	3412.99	3354.46	3354.44	3413.05
402.6	3480.88	3354.44	3428.42	3354.4	3354.37	3428.52
402.5	3443.7	3354.37	3447.03	3354.32	3354.28	3447.18
402.4	3487.03	3354.3	3469.21	3354.23	3354.16	3469.42
402.3	3485.03	3354.22	3495.29	3354.14	3354.03	3495.6
402.2	3553.41	3354.11	3525.52	3354.02	3353.85	3525.96
402.1	3647.66	3353.99	3560.04	3353.88	3353.62	3560.67
402	3621.74	3353.87	3598.85	3353.74	3353.35	3599.76
401.9	3603.81	3353.75	3641.73	3353.61	3353.03	3643.03
401.8	3704.54	3353.66	3688.24	3353.54	3352.68	3690.07
401.7	3753.98	3353.63	3737.62	3353.54	3352.3	3740.19
401.6	3840.41	3353.66	3788.81	3353.66	3351.87	3792.41
401.5	3921.55	3353.81	3840.48	3353.97	3351.39	3845.46
401.4	3827.39	3354.1	3890.98	3354.54	3350.89	3897.85
401.3	3844.9	3354.58	3938.5	3355.47	3350.33	3947.88
401.2	3952.23	3355.31	3981.07	3356.88	3349.73	3993.81
401.1	3964.62	3356.38	4016.82	3358.96	3349.08	4033.98
401	4025.1	3357.85	4043.99	3361.9	3348.39	4066.95
400.9	4094.03	3359.83	4061.2	3365.96	3347.66	4091.68
400.8	4088.78	3362.46	4067.53	3371.47	3346.89	4107.68
400.7	4132.38	3365.88	4062.6	3378.81	3346.1	4115.09
400.6	4219.78	3370.25	4046.64	3388.41	3345.29	4114.72
400.5	4312.83	3375.75	4020.46	3400.8	3344.48	4108.06
400.4	4236.97	3382.58	3985.36	3416.55	3343.68	4097.13
400.3	4050.22	3390.92	3942.99	3436.25	3342.87	4084.42
400.2	4011.53	3401	3895.22	3460.57	3342.07	4072.65
400.1	3950.22	3413	3844	3490.18	3341.27	4064.65
400	3910.44	3427.15	3791.19	3525.73	3340.47	4063.14
399.9	4019.01	3443.62	3738.47	3567.79	3339.65	4070.57
399.8	4077.26	3462.56	3687.28	3616.83	3338.83	4089.01
399.7	4062.96	3484.1	3638.73	3673.12	3338	4119.96
399.6	4151.26	3508.25	3593.63	3736.65	3337.11	4164.3
399.5	4306.33	3534.97	3552.49	3807.06	3336.17	4222.19
399.4	4379.71	3564.15	3515.58	3883.62	3335.16	4293.03
399.3	4400.2	3595.54	3482.96	3965.07	3334.08	4375.41
399.2	4531.24	3628.77	3454.5	4049.68	3332.92	4467.11
399.1	4612.34	3663.35	3429.97	4135.17	3331.69	4565.11
399	4600.5	3698.63	3409.05	4218.81	3330.39	4665.72
398.9	4663.34	3733.83	3391.36	4297.52	3329.01	4764.68
398.8	4774.32	3768.05	3376.5	4368	3327.55	4857.44
398.7	4825.71	3800.32	3364.09	4427.05	3326.03	4939.41
398.6	4802.43	3829.62	3353.76	4471.75	3324.44	5006.26

Binding energy (eV)	Intensity (a.u.)					
	LineA	LineB	LineC	LineD	LineE	LineF
398.5	4927.83	3854.93	3345.18	4499.73	3322.79	5054.26
398.4	5099.13	3875.33	3338.04	4509.45	3321.11	5080.6
398.3	5051.69	3890	3332.1	4500.31	3319.41	5083.59
398.2	5036.95	3898.34	3327.13	4472.72	3317.7	5062.79
398.1	5096.79	3899.97	3322.95	4428.1	3316.02	5018.99
398	4999.68	3894.76	3319.42	4368.65	3314.36	4954.12
397.9	4788.65	3882.87	3316.4	4297.22	3312.74	4871.02
397.8	4647.21	3864.72	3313.8	4217.03	3311.18	4773.2
397.7	4610.39	3840.99	3311.57	4131.37	3309.7	4664.52
397.6	4501.33	3812.49	3309.63	4043.4	3308.32	4548.88
397.5	4382.26	3780.2	3307.95	3955.94	3307.03	4430.02
397.4	4285.1	3745.16	3306.5	3871.39	3305.87	4311.32
397.3	4190.45	3708.39	3305.26	3791.61	3304.82	4195.61
397.2	4145.26	3670.85	3304.17	3717.92	3303.88	4085.19
397.1	3990.58	3633.42	3303.22	3651.15	3303.02	3981.75
397	3836.04	3596.87	3302.37	3591.69	3302.24	3886.46
396.9	3741.09	3561.83	3301.62	3539.6	3301.53	3799.99
396.8	3739.43	3528.82	3300.97	3494.66	3300.91	3722.63
396.7	3779.43	3498.16	3300.4	3456.43	3300.36	3654.28
396.6	3805.74	3470.11	3299.91	3424.35	3299.88	3594.6
396.5	3689.2	3444.77	3299.5	3397.76	3299.49	3543.06
396.4	3534.14	3422.16	3299.17	3376	3299.16	3499.02
396.3	3507.75	3402.2	3298.88	3358.39	3298.88	3461.73
396.2	3422.35	3384.77	3298.64	3344.3	3298.64	3430.43
396.1	3349.58	3369.69	3298.44	3333.14	3298.43	3404.4
396	3304.48	3356.78	3298.27	3324.4	3298.27	3382.92
395.9	3286.38	3345.85	3298.14	3317.64	3298.14	3365.34
395.8	3335.12	3336.68	3298.07	3312.48	3298.07	3351.09
395.7	3361.13	3329.05	3298.02	3308.57	3298.02	3339.6
395.6	3417.11	3322.75	3297.99	3305.65	3297.99	3330.41
395.5	3348.09	3317.59	3297.97	3303.48	3297.97	3323.1
395.4	3186.56	3313.39	3297.94	3301.87	3297.94	3317.32
395.3	3285.66	3309.98	3297.91	3300.69	3297.91	3312.76
395.2	3307.13	3307.24	3297.87	3299.81	3297.87	3309.18
395.1	3295.86	3305.05	3297.82	3299.17	3297.82	3306.39
395	3371.57	3303.31	3297.77	3298.7	3297.77	3304.23
394.9	3408.59	3301.94	3297.74	3298.37	3297.74	3302.58
394.8	3412	3300.88	3297.7	3298.12	3297.7	3301.3
394.7	3388.98	3300.03	3297.65	3297.93	3297.65	3300.32
394.6	3313.44	3299.36	3297.58	3297.77	3297.58	3299.55
394.5	3358.05	3298.82	3297.51	3297.63	3297.51	3298.95
394.4	3357.08	3298.39	3297.42	3297.5	3297.42	3298.47
394.3	3296.89	3298.05	3297.35	3297.4	3297.35	3298.1
394.2	3412.81	3297.79	3297.27	3297.31	3297.27	3297.82
394.1	3438.69	3297.58	3297.21	3297.24	3297.21	3297.61
394	3368.11	3297.43	3297.17	3297.18	3297.17	3297.44
393.9	3323.03	3297.31	3297.12	3297.12	3297.12	3297.31
393.8	3331.43	3297.2	3297.06	3297.07	3297.06	3297.2
393.7	3297.76	3297.1	3297.01	3297.01	3297.01	3297.1
393.6	3268.53	3297.02	3296.95	3296.95	3296.95	3297.02
393.5	3328.55	3296.96	3296.91	3296.91	3296.91	3296.96
393.4	3400.97	3296.91	3296.88	3296.88	3296.88	3296.91
393.3	3370.96	3296.88	3296.86	3296.86	3296.86	3296.88
393.2	3297.32	3296.83	3296.82	3296.82	3296.82	3296.83

Binding energy (eV)	Intensity (a.u.)					
	LineA	LineB	LineC	LineD	LineE	LineF
393.1	3270.29	3296.8	3296.79	3296.79	3296.79	3296.8
393	3305.34	3296.77	3296.76	3296.76	3296.76	3296.77
392.9	3341.56	3296.73	3296.72	3296.72	3296.72	3296.73
392.8	3438.85	3296.69	3296.69	3296.69	3296.69	3296.69
392.7	3275.7	3296.67	3296.67	3296.67	3296.67	3296.67
392.6	3236.88	3296.66	3296.66	3296.66	3296.66	3296.66
392.5	3394.59	3296.66	3296.66	3296.66	3296.66	3296.66
392.4	3264.68	3297.4	3297.4	3297.4	3297.4	3297.4
392.3	3253.39	3298.13	3298.13	3298.13	3298.13	3298.13
392.2	3295.09	3298.87	3298.87	3298.87	3298.87	3298.87
392.1	3189.68	3299.61	3299.61	3299.61	3299.61	3299.61
392	3267.5	3300.35	3300.35	3300.35	3300.35	3300.35
391.9	3388.5	3301.08	3301.08	3301.08	3301.08	3301.08
391.8	3360.37	3301.82	3301.82	3301.82	3301.82	3301.82
391.7	3368.69	3302.56	3302.56	3302.56	3302.56	3302.56
391.6	3317.18	3303.3	3303.3	3303.3	3303.3	3303.3
391.5	3351.25	3304.03	3304.03	3304.03	3304.03	3304.03
391.4	3304.45	3304.77	3304.77	3304.77	3304.77	3304.77
391.3	3246.2	0	0	0	0	3246.2



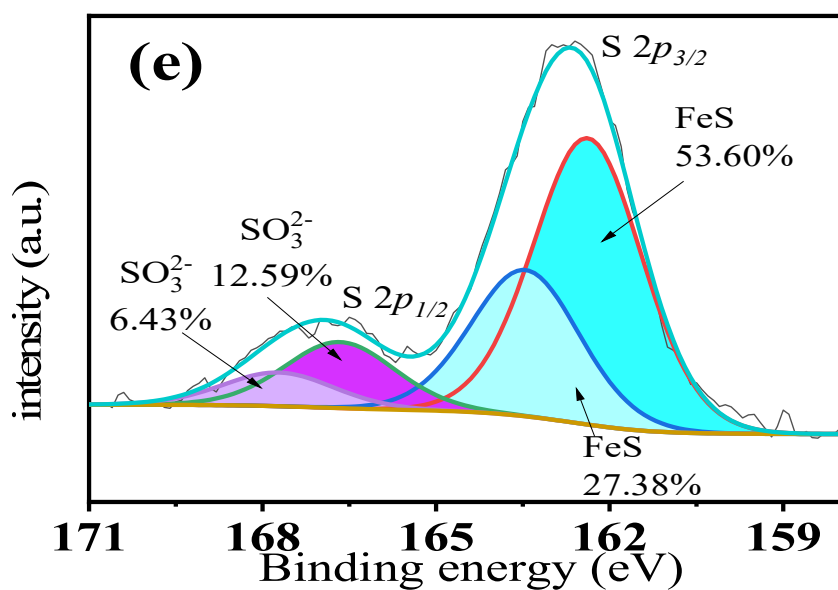
Binding energy (eV)	Intensity (a.u.)						
	LineA	LineB	LineC	LineD	LineE	LineF	LineG
174.2	1475.02	1548.05	1548.05	1548.05	1548.05	1548.05	1548.05
174.1	1532.35	1546.31	1546.31	1546.31	1546.31	1546.31	1546.31
174	1526.47	1544.39	1544.39	1544.39	1544.39	1544.39	1544.39
173.9	1540.23	1542.34	1542.34	1542.34	1542.34	1542.34	1542.34
173.8	1522.17	1540.43	1540.43	1540.43	1540.43	1540.43	1540.43
173.7	1472.27	1536.46	1536.46	1536.46	1536.46	1536.46	1536.46
173.6	1540.87	1531.52	1531.52	1531.52	1531.52	1531.52	1531.52
173.5	1541.7	1522.73	1522.73	1522.73	1522.73	1522.73	1522.73
173.4	1487.66	1513.27	1513.27	1513.27	1513.27	1513.27	1513.27
173.3	1480.95	1489.35	1489.35	1489.35	1489.35	1489.35	1489.35
173.2	1438.08	1468.83	1468.83	1468.83	1468.84	1468.83	1468.84
173.1	1481.26	1466.88	1466.88	1466.88	1466.88	1466.88	1466.88
173	1465.45	1453.49	1453.49	1453.49	1453.49	1453.49	1453.49
172.9	1392.78	1442.17	1442.17	1442.17	1442.17	1442.17	1442.17
172.8	1410.57	1437.78	1437.78	1437.78	1437.79	1437.78	1437.79
172.7	1445.58	1429.51	1429.51	1429.51	1429.52	1429.51	1429.52
172.6	1450.72	1422.61	1422.61	1422.61	1422.62	1422.61	1422.62
172.5	1393.59	1419.96	1419.96	1419.96	1419.97	1419.96	1419.97
172.4	1417.22	1419.85	1419.85	1419.85	1419.88	1419.85	1419.88
172.3	1439.37	1419.09	1419.09	1419.09	1419.13	1419.09	1419.13
172.2	1389.96	1417.37	1417.37	1417.37	1417.42	1417.37	1417.42
172.1	1362.21	1415.14	1415.14	1415.14	1415.21	1415.14	1415.21
172	1452.05	1412.81	1412.81	1412.81	1412.91	1412.81	1412.91
171.9	1501.69	1410.69	1410.69	1410.69	1410.83	1410.69	1410.83
171.8	1442.14	1409.69	1409.69	1409.7	1409.89	1409.69	1409.9
171.7	1422.5	1409.33	1409.33	1409.35	1409.61	1409.33	1409.62
171.6	1428.52	1408.41	1408.41	1408.43	1408.78	1408.41	1408.8
171.5	1413.48	1407.01	1407.01	1407.03	1407.51	1407.01	1407.54
171.4	1302.25	1404.73	1404.73	1404.76	1405.41	1404.73	1405.45
171.3	1366.4	1402.64	1402.64	1402.7	1403.56	1402.64	1403.62
171.2	1469.19	1401.56	1401.56	1401.64	1402.79	1401.56	1402.87
171.1	1409.14	1400.88	1400.88	1400.99	1402.51	1400.88	1402.62
171	1401.88	1400.84	1400.84	1401	1402.99	1400.84	1403.15
170.9	1417.73	1400.79	1400.79	1401.02	1403.61	1400.79	1403.83
170.8	1419.78	1400.72	1400.72	1401.04	1404.39	1400.72	1404.7
170.7	1407.42	1400.62	1400.62	1401.06	1405.36	1400.62	1405.8
170.6	1373.86	1400.51	1400.51	1401.11	1406.59	1400.51	1407.2
170.5	1489.59	1400.41	1400.41	1401.23	1408.17	1400.41	1408.99
170.4	1515.34	1400.3	1400.3	1401.42	1410.14	1400.3	1411.25
170.3	1447.7	1400.19	1400.19	1401.7	1412.58	1400.19	1414.08
170.2	1424.18	1400.08	1400.08	1402.1	1415.57	1400.08	1417.59
170.1	1424.24	1399.98	1399.98	1402.67	1419.22	1399.98	1421.91
170	1435.17	1399.88	1399.88	1403.45	1423.62	1399.88	1427.19
169.9	1401.92	1399.78	1399.78	1404.47	1428.86	1399.78	1433.55
169.8	1426.27	1399.68	1399.68	1405.81	1435.07	1399.68	1441.19
169.7	1376.17	1399.58	1399.58	1407.53	1442.33	1399.58	1450.28
169.6	1367.28	1399.45	1399.45	1409.71	1450.73	1399.45	1460.99
169.5	1427	1399.29	1399.29	1412.43	1460.34	1399.29	1473.48
169.4	1442.37	1399.08	1399.08	1415.8	1471.23	1399.08	1487.95
169.3	1529.64	1398.85	1398.85	1419.98	1483.46	1398.85	1504.59
169.2	1570.77	1398.6	1398.6	1425.13	1497.03	1398.6	1523.57
169.1	1599.23	1398.3	1398.3	1431.4	1511.91	1398.3	1545
169	1649.38	1397.95	1397.95	1438.95	1527.97	1397.95	1568.97
168.9	1551.73	1397.51	1397.52	1447.96	1545.06	1397.51	1595.51

Binding energy (eV)	Intensity (a.u.)						
	LineA	LineB	LineC	LineD	LineE	LineF	LineG
168.8	1518.68	1397	1397.01	1458.64	1562.97	1397	1624.61
168.7	1609.4	1396.41	1396.42	1471.2	1581.4	1396.41	1656.2
168.6	1689.73	1395.75	1395.76	1485.84	1600.01	1395.75	1690.11
168.5	1736.04	1395.01	1395.03	1502.75	1618.38	1395.01	1726.14
168.4	1807.5	1394.19	1394.22	1522.09	1636.03	1394.19	1763.96
168.3	1836.15	1393.3	1393.34	1543.98	1652.47	1393.3	1803.18
168.2	1904.27	1392.31	1392.37	1568.45	1667.13	1392.31	1843.33
168.1	1927.63	1391.21	1391.3	1595.48	1679.5	1391.21	1883.86
168	1963.22	1390.01	1390.14	1624.99	1689.13	1390.01	1924.24
167.9	2012.21	1388.72	1388.9	1656.75	1695.62	1388.72	1963.85
167.8	2031.82	1387.36	1387.61	1690.44	1698.71	1387.35	2002.08
167.7	2080.96	1385.93	1386.3	1725.62	1698.24	1385.92	2038.32
167.6	2080.36	1384.47	1384.98	1761.68	1694.18	1384.45	2071.96
167.5	2119.97	1382.98	1383.69	1797.88	1686.66	1382.95	2102.36
167.4	2126.53	1381.43	1382.43	1833.35	1675.86	1381.39	2128.9
167.3	2076.71	1379.84	1381.21	1867.12	1662.15	1379.78	2150.98
167.2	2018.27	1378.23	1380.11	1898.21	1645.98	1378.15	2168.09
167.1	2055.66	1376.61	1379.16	1925.6	1627.83	1376.48	2179.75
167	2196.34	1374.99	1378.43	1948.33	1608.23	1374.8	2185.57
166.9	2192.63	1373.37	1377.98	1965.52	1587.7	1373.1	2185.27
166.8	2141.61	1371.76	1377.9	1976.49	1566.73	1371.37	2178.76
166.7	2132.91	1370.19	1378.3	1980.76	1545.79	1369.64	2166.14
166.6	2149.7	1368.69	1379.33	1978.12	1525.27	1367.9	2147.71
166.5	2209.61	1367.27	1381.13	1968.58	1505.49	1366.16	2124
166.4	2188.56	1365.97	1383.9	1952.47	1486.72	1364.42	2095.8
166.3	2146.4	1364.91	1387.92	1930.38	1469.19	1362.75	2064.15
166.2	2061.44	1364.12	1393.44	1903.07	1453.02	1361.14	2030.23
166.1	2057.04	1363.69	1400.77	1871.42	1438.29	1359.61	1995.35
166	1986.31	1363.68	1410.23	1836.41	1424.98	1358.12	1960.94
165.9	1863.33	1364.2	1422.17	1799.06	1413.05	1356.67	1928.47
165.8	1839.53	1365.4	1437.05	1760.38	1402.48	1355.29	1899.45
165.7	1791.46	1367.47	1455.3	1721.32	1393.18	1353.96	1875.37
165.6	1853.87	1370.59	1477.39	1682.69	1385.04	1352.69	1857.65
165.5	1941.36	1375.03	1503.79	1645.2	1377.96	1351.45	1847.62
165.4	1895.17	1381.09	1534.98	1609.42	1371.81	1350.25	1846.56
165.3	1865.48	1389.11	1571.39	1575.74	1366.46	1349.04	1855.59
165.2	1876.93	1399.49	1613.36	1544.43	1361.75	1347.77	1875.72
165.1	1861.14	1412.7	1661.19	1515.63	1357.56	1346.42	1907.83
165	1902.83	1429.33	1715.06	1489.42	1353.79	1344.96	1952.71
164.9	1985.02	1450.05	1774.99	1465.77	1350.34	1343.4	2010.96
164.8	2128.81	1475.61	1840.82	1444.61	1347.14	1341.72	2083.02
164.7	2251.51	1506.77	1912.07	1425.74	1344.09	1339.88	2169.04
164.6	2300.68	1544.39	1987.99	1408.98	1341.08	1337.83	2268.94
164.5	2376.31	1589.38	2067.54	1394.08	1338.03	1335.55	2382.39
164.4	2473.52	1642.65	2149.32	1380.81	1334.89	1332.99	2508.69
164.3	2706.32	1705.12	2231.64	1368.93	1331.57	1330.14	2646.84
164.2	2878	1777.64	2312.5	1358.22	1328.04	1326.96	2795.51
164.1	3023.09	1861	2389.72	1348.49	1324.28	1323.48	2953.06
164	3183.06	1955.79	2460.94	1339.58	1320.29	1319.69	3117.52
163.9	3361.38	2062.28	2523.72	1331.26	1315.99	1315.56	3286.59
163.8	3575.3	2180.48	2575.75	1323.37	1311.37	1311.05	3457.82
163.7	3620.56	2309.96	2614.98	1315.8	1306.43	1306.2	3628.58
163.6	3704.18	2449.8	2639.74	1308.42	1301.16	1300.99	3796.14
163.5	4023.78	2598.48	2648.81	1301.13	1295.53	1295.41	3957.72



Binding energy (eV)	Intensity (a.u.)						
	LineA	LineB	LineC	LineD	LineE	LineF	LineG
163.4	4156.31	2753.91	2641.64	1293.85	1289.56	1289.48	4110.53
163.3	4161.08	2913.35	2618.32	1286.54	1283.28	1283.22	4251.82
163.2	4422.07	3073.43	2579.54	1279.18	1276.72	1276.68	4378.84
163.1	4675.48	3230.26	2526.63	1271.77	1269.93	1269.9	4488.9
163	4733.36	3379.45	2461.32	1264.27	1262.89	1262.87	4579.31
162.9	4709.63	3516.36	2385.74	1256.65	1255.63	1255.62	4647.53
162.8	4732.87	3636.39	2302.3	1248.98	1248.23	1248.22	4691.24
162.7	4713.55	3735.17	2213.42	1241.27	1240.72	1240.71	4708.44
162.6	4766.53	3808.81	2121.49	1233.53	1233.14	1233.13	4697.57
162.5	4737.58	3854.29	2028.76	1225.86	1225.57	1225.57	4657.77
162.4	4689.02	3869.6	1937.26	1218.33	1218.12	1218.12	4588.95
162.3	4636.84	3853.87	1848.64	1210.96	1210.81	1210.81	4491.85
162.2	4440.9	3807.45	1764.22	1203.77	1203.67	1203.67	4368.12
162.1	4251.03	3732.01	1685.07	1196.85	1196.78	1196.78	4220.38
162	4030.35	3630.25	1611.88	1190.23	1190.18	1190.18	4051.99
161.9	3986.42	3505.77	1545.06	1183.95	1183.91	1183.91	3866.95
161.8	3790.2	3362.85	1484.78	1178.03	1178.01	1178.01	3669.64
161.7	3395.96	3206.12	1431.05	1172.54	1172.52	1172.52	3464.66
161.6	3186.97	3040.31	1383.65	1167.48	1167.47	1167.47	3256.5
161.5	3070.18	2869.95	1342.27	1162.88	1162.88	1162.88	3049.35
161.4	2867.22	2699.23	1306.5	1158.74	1158.74	1158.74	2847
161.3	2561.05	2531.76	1275.83	1155.02	1155.01	1155.01	2652.59
161.2	2397.16	2370.63	1249.79	1151.72	1151.71	1151.71	2468.7
161.1	2138.23	2218.21	1227.87	1148.82	1148.82	1148.82	2297.26
161	1933.73	2076.26	1209.54	1146.29	1146.29	1146.29	2139.51
160.9	1904.8	1945.89	1194.34	1144.07	1144.07	1144.07	1996.16
160.8	1850.83	1827.76	1181.82	1142.15	1142.15	1142.15	1867.43
160.7	1724.59	1722	1171.6	1140.51	1140.51	1140.51	1753.09
160.6	1588.75	1628.39	1163.29	1139.09	1139.09	1139.09	1652.59
160.5	1604.27	1546.42	1156.58	1137.87	1137.87	1137.87	1565.13
160.4	1539.45	1475.34	1151.16	1136.79	1136.79	1136.79	1489.71
160.3	1482.36	1414.28	1146.78	1135.83	1135.83	1135.83	1425.24
160.2	1439.85	1362.33	1143.28	1134.98	1134.98	1134.98	1370.63
160.1	1384.25	1318.54	1140.48	1134.24	1134.24	1134.24	1324.78
160	1399.73	1281.92	1138.25	1133.58	1133.58	1133.58	1286.58
159.9	1381.58	1251.53	1136.44	1132.98	1132.98	1132.98	1254.99
159.8	1331.29	1226.53	1135	1132.45	1132.45	1132.45	1229.09
159.7	1277.97	1206.14	1133.86	1131.99	1131.99	1131.99	1208.01
159.6	1305.66	1189.65	1132.97	1131.61	1131.61	1131.61	1191.01
159.5	1311.6	1176.39	1132.26	1131.28	1131.28	1131.28	1177.38
159.4	1238.93	1165.78	1131.66	1130.95	1130.95	1130.95	1166.49
159.3	1173.09	1157.35	1131.14	1130.64	1130.64	1130.64	1157.86
159.2	1101.8	1150.72	1130.73	1130.38	1130.38	1130.38	1151.08
159.1	1200.14	1145.55	1130.4	1130.15	1130.15	1130.15	1145.8
159	1350.87	1141.52	1130.13	1129.95	1129.95	1129.95	1141.7
158.9	1311.84	1138.43	1129.92	1129.8	1129.8	1129.8	1138.55
158.8	1148.14	1136.09	1129.77	1129.69	1129.69	1129.69	1136.17
158.7	1121.53	1134.31	1129.65	1129.59	1129.59	1129.59	1134.37
158.6	1153.08	1132.96	1129.55	1129.51	1129.51	1129.51	1133
158.5	1096.1	1131.92	1129.44	1129.42	1129.42	1129.42	1131.95
158.4	1091.38	1131.14	1129.35	1129.33	1129.33	1129.33	1131.15
158.3	1131.28	1130.56	1129.28	1129.27	1129.27	1129.27	1130.58
158.2	1139.06	1130.17	1129.25	1129.24	1129.24	1129.24	1130.17
158.1	1139.53	1129.88	1129.23	1129.23	1129.23	1129.23	1129.89

Binding energy (eV)	Intensity (a.u.)						
	LineA	LineB	LineC	LineD	LineE	LineF	LineG
158	1187.06	1129.68	1129.22	1129.22	1129.22	1129.22	1129.68
157.9	1196.64	1130.19	1129.88	1129.87	1129.87	1129.87	1130.2
157.8	1148.65	1130.75	1130.53	1130.53	1130.53	1130.53	1130.75
157.7	1085.7	1131.33	1131.18	1131.18	1131.18	1131.18	1131.33
157.6	1097.79	1131.94	1131.83	1131.83	1131.83	1131.83	1131.94
157.5	1108.23	1132.56	1132.49	1132.49	1132.49	1132.49	1132.56
157.4	1108.28	1133.19	1133.14	1133.14	1133.14	1133.14	1133.19
157.3	1178.08	1133.83	1133.79	1133.79	1133.79	1133.79	1133.83
157.2	1232.9	1134.47	1134.45	1134.45	1134.45	1134.45	1134.47
157.1	1298.41	1135.12	1135.1	1135.1	1135.1	1135.1	1135.12
157	1249.21	1135.76	1135.76	1135.76	1135.76	1135.76	1135.76
156.9	1221.66	1136.41	1136.41	1136.41	1136.41	1136.41	1136.41
156.8	1264.81	1137.07	1137.06	1137.06	1137.06	1137.06	1137.07
156.7	1189.96	1137.72	1137.72	1137.72	1137.72	1137.72	1137.72

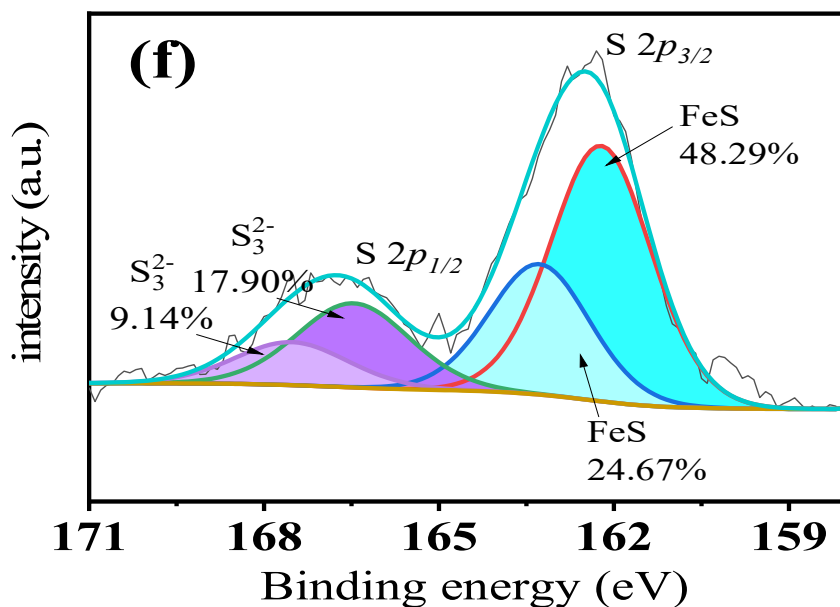


Binding energy (eV)	Intensity (a.u.)						
	LineA	LineB	LineC	LineD	LineE	LineF	LineG
174.1	1475.24	1466.03	1466.03	1466.03	1466.03	1466.03	1466.03
174	1475.75	1462.8	1462.8	1462.8	1462.8	1462.8	1462.8
173.9	1475.83	1458.33	1458.33	1458.33	1458.33	1458.33	1458.33
173.8	1483.92	1452.91	1452.91	1452.91	1452.91	1452.91	1452.91
173.7	1518.77	1446.78	1446.78	1446.78	1446.78	1446.78	1446.78
173.6	1545.64	1440.65	1440.65	1440.65	1440.65	1440.65	1440.65
173.5	1560	1434.76	1434.76	1434.76	1434.76	1434.76	1434.76
173.4	1545.9	1428.79	1428.79	1428.79	1428.79	1428.79	1428.79
173.3	1526.38	1423.06	1423.06	1423.06	1423.06	1423.06	1423.06
173.2	1449.91	1417.2	1417.2	1417.2	1417.2	1417.2	1417.2
173.1	1410.63	1410.51	1410.51	1410.51	1410.51	1410.51	1410.51
173	1419.2	1403.65	1403.65	1403.65	1403.66	1403.65	1403.66
172.9	1383.91	1397.72	1397.72	1397.72	1397.72	1397.72	1397.72
172.8	1427.82	1392.4	1392.4	1392.4	1392.41	1392.4	1392.41
172.7	1515.4	1387.21	1387.21	1387.21	1387.22	1387.21	1387.22
172.6	1468.41	1382.44	1382.44	1382.44	1382.44	1382.44	1382.44
172.5	1368.77	1378.2	1378.2	1378.2	1378.21	1378.2	1378.21
172.4	1426.8	1374.88	1374.88	1374.88	1374.9	1374.88	1374.9
172.3	1476.69	1371.58	1371.58	1371.58	1371.6	1371.58	1371.6
172.2	1425.1	1367.75	1367.75	1367.75	1367.78	1367.75	1367.78
172.1	1338.29	1364.32	1364.32	1364.32	1364.36	1364.32	1364.36
172	1261.85	1361.78	1361.78	1361.78	1361.84	1361.78	1361.84
171.9	1383.32	1360.07	1360.07	1360.07	1360.16	1360.07	1360.16
171.8	1409.41	1358.05	1358.05	1358.05	1358.17	1358.05	1358.17
171.7	1344.7	1355.8	1355.8	1355.81	1355.97	1355.8	1355.98
171.6	1378.29	1354.06	1354.06	1354.07	1354.29	1354.06	1354.3
171.5	1347.36	1352.47	1352.47	1352.49	1352.79	1352.47	1352.81
171.4	1387.1	1350.96	1350.96	1350.99	1351.4	1350.96	1351.42
171.3	1432.3	1349.72	1349.72	1349.76	1350.31	1349.72	1350.34
171.2	1396.79	1349.11	1349.11	1349.16	1349.9	1349.11	1349.95
171.1	1390.45	1349.09	1349.09	1349.16	1350.14	1349.09	1350.2
171	1313.87	1349.07	1349.07	1349.16	1350.45	1349.07	1350.55
170.9	1216.84	1349.04	1349.04	1349.18	1350.86	1349.04	1351
170.8	1298.85	1348.99	1348.99	1349.18	1351.38	1348.99	1351.58
170.7	1333.72	1348.94	1348.94	1349.21	1352.05	1348.94	1352.32
170.6	1345.79	1348.88	1348.88	1349.25	1352.91	1348.88	1353.28
170.5	1401.13	1348.81	1348.81	1349.33	1353.99	1348.81	1354.5
170.4	1435.17	1348.75	1348.75	1349.45	1355.36	1348.75	1356.06
170.3	1423.41	1348.67	1348.67	1349.62	1357.06	1348.67	1358.01
170.2	1445.97	1348.55	1348.55	1349.83	1359.12	1348.55	1360.41
170.1	1454.85	1348.41	1348.41	1350.13	1361.65	1348.41	1363.37
170	1366.98	1348.25	1348.25	1350.54	1364.73	1348.25	1367.02
169.9	1390.69	1348.07	1348.07	1351.11	1368.44	1348.07	1371.48
169.8	1419.7	1347.88	1347.88	1351.87	1372.89	1347.88	1376.88
169.7	1404.1	1347.69	1347.69	1352.89	1378.19	1347.69	1383.4
169.6	1420.98	1347.48	1347.48	1354.24	1384.42	1347.48	1391.18
169.5	1454.17	1347.27	1347.27	1356	1391.71	1347.27	1400.43
169.4	1458.17	1347.08	1347.08	1358.26	1400.14	1347.08	1411.33
169.3	1471.23	1346.86	1346.86	1361.11	1409.78	1346.86	1424.03
169.2	1481.78	1346.63	1346.63	1364.66	1420.7	1346.63	1438.73
169.1	1411.22	1346.39	1346.39	1369.06	1432.91	1346.39	1455.58
169	1413.25	1346.09	1346.09	1374.41	1446.38	1346.09	1474.7
168.9	1464.12	1345.73	1345.73	1380.88	1461.07	1345.73	1496.22
168.8	1447.72	1345.35	1345.35	1388.67	1476.92	1345.35	1520.25

Binding energy (eV)	Intensity (a.u.)						
	LineA	LineB	LineC	LineD	LineE	LineF	LineG
168.7	1511.2	1344.95	1344.95	1398	1493.78	1344.95	1546.83
168.6	1687.85	1344.51	1344.51	1409.03	1511.42	1344.51	1575.94
168.5	1692.98	1344.02	1344.03	1421.95	1529.53	1344.02	1607.46
168.4	1581.88	1343.45	1343.45	1436.92	1547.75	1343.45	1641.22
168.3	1567.63	1342.8	1342.8	1454.11	1565.66	1342.8	1676.98
168.2	1628.61	1342.06	1342.06	1473.66	1582.82	1342.06	1714.42
168.1	1756.46	1341.22	1341.22	1495.65	1598.7	1341.22	1753.14
168	1826.78	1340.27	1340.27	1520.12	1612.82	1340.27	1792.69
167.9	1842.23	1339.22	1339.24	1547.06	1624.71	1339.22	1832.56
167.8	1882.71	1338.14	1338.16	1576.39	1633.98	1338.14	1872.25
167.7	1966.65	1336.98	1337.01	1607.85	1640.23	1336.98	1911.13
167.6	2084.13	1335.71	1335.76	1641.06	1643.14	1335.71	1948.54
167.5	2124.1	1334.35	1334.42	1675.57	1642.6	1334.35	1983.89
167.4	1912.73	1332.92	1333.03	1710.8	1638.58	1332.92	2016.56
167.3	1943.01	1331.44	1331.59	1746.02	1631.19	1331.43	2045.93
167.2	2139.77	1329.9	1330.13	1780.41	1620.67	1329.9	2071.42
167.1	2075.59	1328.33	1328.66	1813.07	1607.34	1328.32	2092.43
167	2081.39	1326.73	1327.21	1843.04	1591.63	1326.72	2108.44
166.9	2121.6	1325.13	1325.81	1869.37	1574.02	1325.11	2118.99
166.8	2077.29	1323.55	1324.51	1891.16	1555.03	1323.52	2123.69
166.7	2051.97	1321.93	1323.28	1907.57	1535.09	1321.89	2122.22
166.6	2106.06	1320.29	1322.18	1917.93	1514.69	1320.22	2114.43
166.5	2096.32	1318.68	1321.3	1921.87	1494.3	1318.57	2100.43
166.4	2034.63	1317.11	1320.7	1919.16	1474.31	1316.95	2080.44
166.3	2093.34	1315.58	1320.48	1909.85	1455.02	1315.34	2054.92
166.2	2106.92	1314.12	1320.74	1894.25	1436.71	1313.76	2024.53
166.1	2002.24	1312.76	1321.63	1872.87	1419.55	1312.23	1990.1
166	1978.63	1311.51	1323.3	1846.43	1403.68	1310.75	1952.67
165.9	1961.42	1310.44	1325.97	1815.81	1389.18	1309.34	1913.37
165.8	1912.14	1309.57	1329.86	1781.94	1376.08	1308.01	1873.43
165.7	1857.19	1308.98	1335.23	1745.8	1364.36	1306.75	1834.12
165.6	1772.96	1308.72	1342.4	1708.35	1353.98	1305.58	1796.7
165.5	1744.46	1308.85	1351.68	1670.46	1344.85	1304.47	1762.42
165.4	1672.84	1309.46	1363.41	1632.9	1336.84	1303.39	1732.44
165.3	1600.68	1310.7	1378.02	1596.39	1329.87	1302.36	1707.92
165.2	1670.99	1312.78	1395.97	1561.5	1323.88	1301.4	1689.95
165.1	1768.81	1315.88	1417.67	1528.64	1318.73	1300.48	1679.49
165	1849.14	1320.26	1443.52	1498.1	1314.29	1299.58	1677.42
164.9	1722.06	1326.22	1473.88	1470.05	1310.48	1298.69	1684.55
164.8	1564.48	1334.12	1509.04	1444.55	1307.15	1297.77	1701.54
164.7	1696.31	1344.4	1549.18	1421.57	1304.21	1296.8	1728.97
164.6	1722.61	1357.57	1594.31	1401.01	1301.55	1295.72	1767.27
164.5	1736.91	1374.24	1644.26	1382.75	1299.09	1294.55	1816.71
164.4	1892.5	1395.1	1698.67	1366.64	1296.79	1293.27	1877.4
164.3	1951.76	1420.92	1756.84	1352.5	1294.6	1291.89	1949.21
164.2	2081.15	1452.47	1817.75	1340.08	1292.43	1290.35	2031.68
164.1	2205.62	1490.56	1880.04	1329.14	1290.2	1288.62	2124.09
164	2263.74	1536.04	1942.11	1319.49	1287.88	1286.69	2225.45
163.9	2377.93	1589.72	2002.06	1310.94	1285.46	1284.57	2334.48
163.8	2491.67	1652.28	2057.81	1303.3	1282.9	1282.23	2449.61
163.7	2585.9	1724.28	2107.21	1296.4	1280.17	1279.68	2569.03
163.6	2667.89	1805.98	2148.17	1290.09	1277.27	1276.9	2690.8
163.5	2701.29	1897.35	2178.8	1284.24	1274.17	1273.9	2812.84
163.4	2815.46	1997.92	2197.59	1278.74	1270.89	1270.7	2933.05

Binding energy (eV)	Intensity (a.u.)						
	LineA	LineB	LineC	LineD	LineE	LineF	LineG
163.3	2975.91	2106.7	2203.47	1273.46	1267.38	1267.24	3049.29
163.2	3085.66	2222.11	2196.01	1268.31	1263.63	1263.53	3159.47
163.1	3168.33	2342.02	2175.41	1263.27	1259.69	1259.62	3261.54
163	3271.88	2463.64	2142.48	1258.28	1255.56	1255.51	3353.44
162.9	3513.64	2583.57	2098.56	1253.29	1251.24	1251.2	3433.05
162.8	3623.4	2697.97	2045.37	1248.27	1246.73	1246.7	3498.24
162.7	3528.32	2802.71	1984.95	1243.18	1242.03	1242.01	3546.83
162.6	3558.72	2893.62	1919.49	1238.05	1237.2	1237.18	3576.81
162.5	3626.17	2966.81	1851.16	1232.9	1232.28	1232.27	3586.35
162.4	3649.31	3018.9	1781.99	1227.79	1227.33	1227.33	3574.04
162.3	3732.99	3047.29	1713.75	1222.72	1222.39	1222.38	3539
162.2	3670.37	3050.47	1647.94	1217.74	1217.5	1217.5	3481.16
162.1	3463.83	3028.12	1585.73	1212.91	1212.74	1212.73	3401.3
162	3267.82	2981.1	1527.98	1208.25	1208.12	1208.12	3301.09
161.9	3230.78	2911.46	1475.23	1203.8	1203.72	1203.71	3183.07
161.8	3154.2	2822.18	1427.77	1199.61	1199.55	1199.55	3050.47
161.7	2957.26	2716.96	1385.65	1195.68	1195.64	1195.64	2907.01
161.6	2699.51	2599.92	1348.77	1192.08	1192.05	1192.05	2756.68
161.5	2459.17	2475.3	1316.89	1188.82	1188.8	1188.8	2603.42
161.4	2358.11	2347.15	1289.63	1185.88	1185.86	1185.86	2450.93
161.3	2238.49	2219.12	1266.55	1183.23	1183.22	1183.22	2302.46
161.2	2088.49	2094.41	1247.21	1180.88	1180.88	1180.88	2160.75
161.1	1902.78	1975.59	1231.19	1178.84	1178.83	1178.83	2027.96
161	1774.57	1864.57	1218.04	1177.06	1177.05	1177.05	1905.56
160.9	1744.96	1762.68	1207.34	1175.53	1175.53	1175.53	1794.5
160.8	1678.65	1670.66	1198.71	1174.21	1174.21	1174.21	1695.16
160.7	1591.96	1588.75	1191.77	1173.06	1173.06	1173.06	1607.45
160.6	1563.84	1516.82	1186.21	1172.04	1172.04	1172.04	1530.99
160.5	1382.01	1454.47	1181.77	1171.13	1171.13	1171.13	1465.11
160.4	1347.43	1401.05	1178.23	1170.29	1170.29	1170.29	1408.98
160.3	1516.27	1355.79	1175.38	1169.52	1169.52	1169.52	1361.65
160.2	1542.32	1317.87	1173.11	1168.81	1168.81	1168.81	1322.17
160.1	1533.18	1286.42	1171.28	1168.16	1168.16	1168.16	1289.55
160	1495.2	1260.58	1169.8	1167.54	1167.54	1167.54	1262.84
159.9	1462.14	1239.57	1168.61	1166.99	1166.99	1166.99	1241.19
159.8	1383.23	1222.61	1167.6	1166.45	1166.45	1166.45	1223.76
159.7	1402.44	1209.03	1166.74	1165.93	1165.93	1165.93	1209.84
159.6	1373.41	1198.28	1166.04	1165.48	1165.48	1165.48	1198.84
159.5	1246.09	1189.85	1165.48	1165.09	1165.09	1165.09	1190.24
159.4	1288.34	1183.3	1165.03	1164.76	1164.76	1164.76	1183.57
159.3	1263.71	1178.25	1164.66	1164.47	1164.47	1164.47	1178.43
159.2	1176.3	1174.39	1164.37	1164.24	1164.24	1164.24	1174.52
159.1	1201.65	1171.48	1164.14	1164.05	1164.05	1164.05	1171.56
159	1219.53	1169.29	1163.96	1163.91	1163.91	1163.91	1169.35
158.9	1243.34	1167.67	1163.84	1163.8	1163.8	1163.8	1167.71
158.8	1200.39	1166.48	1163.74	1163.71	1163.71	1163.71	1166.5
158.7	1158.01	1165.6	1163.66	1163.64	1163.64	1163.64	1165.61
158.6	1184.86	1164.96	1163.6	1163.59	1163.59	1163.59	1164.97
158.5	1161.12	1164.49	1163.54	1163.54	1163.54	1163.54	1164.5
158.4	1163.46	1164.16	1163.5	1163.5	1163.5	1163.5	1164.16
158.3	1194.53	1163.93	1163.48	1163.48	1163.48	1163.48	1163.93
158.2	1184.67	1163.78	1163.47	1163.47	1163.47	1163.47	1163.78
158.1	1154.44	1167.67	1167.46	1167.46	1167.46	1167.46	1167.67
158	1125.43	1171.6	1171.46	1171.46	1171.46	1171.46	1171.6

Binding energy (eV)	Intensity (a.u.)						
	LineA	LineB	LineC	LineD	LineE	LineF	LineG
157.9	1144.41	1175.55	1175.46	1175.46	1175.46	1175.46	1175.55
157.8	1169.44	1179.51	1179.45	1179.45	1179.45	1179.45	1179.52
157.7	1157.77	1183.49	1183.45	1183.45	1183.45	1183.45	1183.49
157.6	1179.77	1187.47	1187.45	1187.45	1187.45	1187.45	1187.47
157.5	1195.93	1191.46	1191.44	1191.44	1191.44	1191.44	1191.46
157.4	1250.66	1195.45	1195.44	1195.44	1195.44	1195.44	1195.45
157.3	1266.32	1199.44	1199.44	1199.44	1199.44	1199.44	1199.44
157.2	1198.67	1203.44	1203.43	1203.43	1203.43	1203.43	1203.44
157.1	1205.99	1207.43	1207.43	1207.43	1207.43	1207.43	1207.43
157	1204.18	1211.43	1211.43	1211.43	1211.43	1211.43	1211.43
156.9	1138.41	1215.43	1215.43	1215.43	1215.43	1215.43	1215.43
156.8	1157.68	1219.42	1219.42	1219.42	1219.42	1219.42	1219.42
156.7	1228.66	1223.42	1223.42	1223.42	1223.42	1223.42	1223.42
156.6	1227.21	1227.42	1227.42	1227.42	1227.42	1227.42	1227.42
156.5	1230.7	1231.41	1231.41	1231.41	1231.41	1231.41	1231.41
156.4	1263.04	1235.41	1235.41	1235.41	1235.41	1235.41	1235.41



Binding energy (eV)	Intensity (a.u.)							
	LineA	LineB	LineC	LineD	LineE	LineF	LineG	LineH
728.7	9796.43	9796.43	9796.43	9796.43	9796.43	9796.43	9796.43	9796.43
728.6	9857.87	9795.38	9796.09	9795.38	9871.32	9795.38	9795.38	9872.03
728.5	9955.79	9793.79	9794.69	9793.79	9879.69	9793.79	9793.79	9880.59
728.4	9703.75	9791.82	9792.96	9791.82	9888.68	9791.82	9791.82	9889.81
728.3	9744.83	9789.94	9791.36	9789.94	9898.77	9789.94	9789.94	9900.2
728.2	9939.71	9788.33	9790.12	9788.33	9910.21	9788.33	9788.33	9912
728.1	10145.3	9786.77	9789	9786.77	9922.8	9786.77	9786.77	9925.03
728	10116.8	9784.94	9787.72	9784.94	9936.22	9784.94	9784.94	9939
727.9	9803.66	9783.05	9786.5	9783.05	9950.71	9783.05	9783.05	9954.16
727.8	9589.93	9781.06	9785.32	9781.06	9966.2	9781.06	9781.06	9970.46
727.7	9779.34	9778.6	9783.85	9778.6	9982.29	9778.6	9778.6	9987.54
727.6	9967.1	9775.83	9782.28	9775.83	9999.1	9775.83	9775.83	10005.5
727.5	9873.08	9773.14	9781.03	9773.14	10016.9	9773.14	9773.14	10024.8
727.4	10018.5	9770.58	9780.19	9770.58	10035.7	9770.58	9770.58	10045.4
727.3	10139.2	9768.05	9779.74	9768.05	10055.3	9768.05	9768.05	10067
727.2	10009.7	9765.28	9779.43	9765.28	10075.2	9765.28	9765.28	10089.4
727.1	9811.9	9762.02	9779.1	9762.02	10095.1	9762.02	9762.02	10112.2
727	9966.99	9758.52	9779.05	9758.52	10114.9	9758.52	9758.52	10135.4
726.9	10028.3	9754.63	9779.23	9754.63	10134.3	9754.63	9754.63	10158.9
726.8	10008.1	9750.21	9779.59	9750.21	10152.9	9750.21	9750.21	10182.3
726.7	10034.6	9745.76	9780.72	9745.76	10170.9	9745.76	9745.76	10205.9
726.6	9975.7	9741.51	9782.98	9741.51	10188.4	9741.51	9741.51	10229.9
726.5	10298.6	9737.26	9786.27	9737.26	10204.8	9737.26	9737.26	10253.8
726.4	10353.1	9732.73	9790.44	9732.73	10219.5	9732.73	9732.73	10277.2
726.3	9989.49	9727.78	9795.49	9727.78	10232.2	9727.78	9727.78	10299.9
726.2	9863.77	9722.46	9801.63	9722.46	10242.6	9722.46	9722.46	10321.8
726.1	9945.48	9716.82	9809.04	9716.82	10250.5	9716.82	9716.82	10342.7
726	10040.4	9710.82	9817.87	9710.82	10255.7	9710.82	9710.82	10362.7
725.9	10325.1	9704.46	9828.26	9704.46	10257.9	9704.46	9704.46	10381.7
725.8	10329.6	9698.07	9840.71	9698.07	10257.4	9698.07	9698.07	10400
725.7	10266.6	9691.68	9855.41	9691.68	10254	9691.68	9691.68	10417.8
725.6	10320.6	9684.82	9872.05	9684.82	10247.4	9684.82	9684.82	10434.6
725.5	10257.4	9677.36	9890.65	9677.36	10237.2	9677.36	9677.36	10450.5
725.4	10252.1	9669.45	9911.47	9669.45	10223.8	9669.45	9669.45	10465.8
725.3	10273.3	9661.18	9934.72	9661.18	10207.2	9661.19	9661.18	10480.8
725.2	10383.4	9652.76	9960.68	9652.76	10188	9652.76	9652.76	10495.9
725.1	10377.6	9644.14	9989.34	9644.14	10166.1	9644.14	9644.14	10511.3
725	10320.6	9635.07	10020.5	9635.07	10141.5	9635.07	9635.07	10526.9
724.9	10298.5	9625.49	10053.9	9625.49	10114.6	9625.49	9625.49	10543
724.8	10386.7	9615.57	10089.8	9615.57	10085.6	9615.57	9615.57	10559.8
724.7	10436.9	9605.28	10127.9	9605.28	10054.8	9605.29	9605.28	10577.4
724.6	10609.5	9594.51	10167.8	9594.51	10022.4	9594.51	9594.51	10595.7
724.5	10743.2	9583.51	10209.6	9583.51	9988.99	9583.51	9583.51	10615
724.4	10481.1	9572.37	10252.8	9572.37	9954.87	9572.38	9572.37	10635.3
724.3	10517.9	9561.03	10297	9561.03	9920.25	9561.04	9561.03	10656.2
724.2	10650.8	9549.24	10341.3	9549.24	9885.15	9549.25	9549.24	10677.2
724.1	10490.3	9537.09	10385.2	9537.09	9849.87	9537.11	9537.09	10698
724	10395.2	9524.81	10428.3	9524.81	9814.83	9524.82	9524.81	10718.4
723.9	10404.2	9512.52	10469.9	9512.52	9780.36	9512.54	9512.52	10737.8
723.8	10628.7	9500.42	10509.5	9500.42	9746.8	9500.45	9500.42	10755.9
723.7	10620.1	9488.31	10546	9488.31	9714.05	9488.34	9488.31	10771.8
723.6	10446.4	9476.22	10578.7	9476.22	9682.26	9476.26	9476.22	10784.8
723.5	10476.9	9464.23	10606.9	9464.23	9651.59	9464.28	9464.23	10794.3
723.4	10411.2	9451.96	10629.5	9451.96	9621.71	9452.03	9451.96	10799.3
723.3	10370.7	9439.27	10645.6	9439.27	9592.51	9439.36	9439.27	10798.9
723.2	10367.4	9426.45	10655	9426.45	9564.29	9426.56	9426.45	10792.9
723.1	10409.5	9413.81	10657.5	9413.81	9537.37	9413.94	9413.81	10781.2

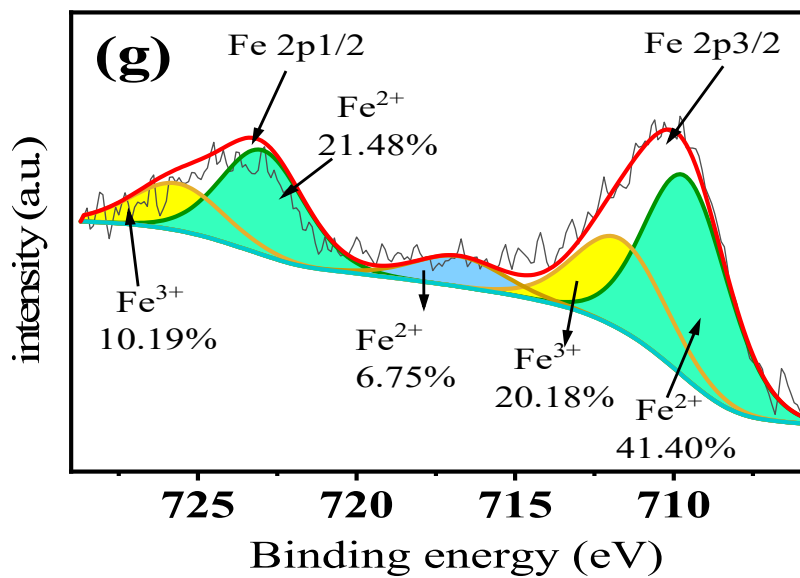
Binding energy (eV)	Intensity (a.u.)							
	LineA	LineB	LineC	LineD	LineE	LineF	LineG	LineH
723	10646.7	9401.23	10652.8	9401.23	9511.61	9401.4	9401.23	10763.4
722.9	10690.2	9388.68	10640.7	9388.68	9486.95	9388.89	9388.68	10739.1
722.8	10393.8	9376.23	10621.1	9376.23	9463.43	9376.5	9376.23	10708.6
722.7	10319.9	9363.93	10594.4	9363.93	9441.04	9364.25	9363.93	10671.8
722.6	10410.6	9351.68	10560.6	9351.68	9419.66	9352.08	9351.68	10629
722.5	10294.3	9339.48	10520.3	9339.48	9399.22	9339.98	9339.48	10580.5
722.4	10229.2	9327.61	10474.2	9327.61	9379.93	9328.21	9327.61	10527.1
722.3	10136.4	9316.28	10423.2	9316.28	9361.96	9317.03	9316.28	10469.7
722.2	10174.2	9305.6	10368.2	9305.6	9345.36	9306.51	9305.6	10408.9
722.1	10192.2	9295.49	10309.8	9295.49	9329.99	9296.6	9295.49	10345.4
722	9948.9	9285.88	10248.8	9285.88	9315.73	9287.23	9285.88	10280
721.9	9959.11	9276.79	10186	9276.79	9302.53	9278.42	9276.79	10213.4
721.8	9913.36	9268.15	10122.1	9268.15	9290.28	9270.12	9268.15	10146.2
721.7	9699.7	9260.09	10058	9260.09	9279.06	9262.47	9260.09	10079.4
721.6	9688.11	9252.66	9994.45	9252.66	9268.88	9255.52	9252.66	10013.5
721.5	9786.27	9245.86	9932.04	9245.86	9259.68	9249.27	9245.86	9949.27
721.4	9731.36	9239.55	9871.23	9239.55	9251.29	9243.62	9239.55	9887.04
721.3	9534.47	9233.64	9812.4	9233.64	9243.58	9238.49	9233.64	9827.19
721.2	9403.28	9228.17	9755.99	9228.17	9236.57	9233.92	9228.17	9770.14
721.1	9453.15	9222.95	9702.13	9222.95	9230.01	9229.75	9222.95	9716.01
721	9607.2	9217.91	9651.02	9217.91	9223.84	9225.93	9217.91	9664.98
720.9	9461.54	9213.1	9602.87	9213.1	9218.07	9222.54	9213.1	9617.27
720.8	9434.34	9208.61	9557.89	9208.61	9212.76	9219.67	9208.61	9573.09
720.7	9598.61	9204.42	9516.11	9204.42	9207.87	9217.35	9204.42	9532.49
720.6	9436.11	9200.27	9477.27	9200.27	9203.13	9215.34	9200.27	9495.2
720.5	9383.58	9195.94	9441.13	9195.94	9198.31	9213.45	9195.94	9461.01
720.4	9401.05	9191.4	9407.57	9191.4	9193.36	9211.68	9191.4	9429.8
720.3	9357.38	9186.85	9376.69	9186.85	9188.46	9210.27	9186.85	9401.72
720.2	9440.52	9182.28	9348.36	9182.28	9183.6	9209.24	9182.28	9376.64
720.1	9516.41	9177.64	9322.38	9177.64	9178.71	9208.58	9177.64	9354.39
720	9609.61	9173.13	9298.8	9173.13	9174.01	9208.53	9173.13	9335.08
719.9	9552.6	9168.67	9277.38	9168.67	9169.39	9209.04	9168.67	9318.46
719.8	9411.79	9164.27	9257.96	9164.27	9164.85	9210.16	9164.27	9304.43
719.7	9450.19	9159.81	9240.27	9159.82	9160.28	9211.82	9159.81	9292.74
719.6	9388.3	9155.13	9223.97	9155.14	9155.51	9213.86	9155.13	9283.09
719.5	9327.74	9150.36	9209.05	9150.37	9150.66	9216.48	9150.36	9275.48
719.4	9262.55	9145.69	9195.55	9145.71	9145.94	9219.87	9145.69	9269.99
719.3	9385.18	9141.26	9183.46	9141.27	9141.45	9224.2	9141.26	9266.61
719.2	9528.66	9136.92	9172.52	9136.94	9137.07	9229.34	9136.92	9265.12
719.1	9461.69	9132.5	9162.43	9132.53	9132.63	9235.13	9132.5	9265.2
719	9342.4	9128.07	9153.14	9128.1	9128.17	9241.61	9128.07	9266.81
718.9	9312.88	9123.61	9144.54	9123.66	9123.69	9248.78	9123.61	9269.83
718.8	9386.86	9119.05	9136.46	9119.11	9119.11	9256.53	9119.05	9274.05
718.7	9423.78	9114.36	9128.79	9114.43	9114.4	9264.78	9114.36	9279.33
718.6	9410.33	9109.5	9121.43	9109.6	9109.54	9273.46	9109.5	9285.51
718.5	9341.74	9104.6	9114.41	9104.72	9104.62	9282.6	9104.6	9292.57
718.4	9373.1	9099.66	9107.72	9099.82	9099.69	9292.15	9099.66	9300.38
718.3	9331.32	9094.65	9101.24	9094.85	9094.67	9301.94	9094.65	9308.74
718.2	9478.98	9089.51	9094.88	9089.76	9089.52	9311.81	9089.51	9317.44
718.1	9517.25	9084.32	9088.67	9084.63	9084.33	9321.7	9084.31	9326.39
718	9415.29	9079.26	9082.79	9079.66	9079.27	9331.65	9079.26	9335.58
717.9	9357.62	9074.29	9077.13	9074.78	9074.3	9341.44	9074.29	9344.78
717.8	9371.29	9069.29	9071.58	9069.91	9069.3	9350.78	9069.29	9353.69
717.7	9372.64	9064.34	9066.17	9065.11	9064.34	9359.57	9064.34	9362.18
717.6	9207.7	9059.33	9060.79	9060.28	9059.33	9367.52	9059.33	9369.94
717.5	9258.74	9054.4	9055.56	9055.57	9054.4	9374.58	9054.39	9376.92
717.4	9296.83	9049.55	9050.47	9051	9049.55	9380.58	9049.55	9382.96



Binding energy (eV)	Intensity (a.u.)							
	LineA	LineB	LineC	LineD	LineE	LineF	LineG	LineH
717.3	9259.41	9044.7	9045.42	9046.48	9044.7	9385.26	9044.69	9387.78
717.2	9322.47	9039.7	9040.27	9041.88	9039.7	9388.32	9039.7	9391.09
717.1	9327.39	9034.42	9034.86	9037.08	9034.41	9389.51	9034.41	9392.64
717	9359.98	9029.04	9029.38	9032.28	9029.03	9388.87	9029.03	9392.49
716.9	9353.98	9023.54	9023.8	9027.47	9023.52	9386.33	9023.52	9390.57
716.8	9437.85	9017.92	9018.11	9022.68	9017.89	9381.82	9017.89	9386.84
716.7	9587.97	9012.16	9012.29	9017.91	9012.13	9375.3	9012.13	9381.28
716.6	9407.95	9006.21	9006.3	9013.14	9006.17	9366.76	9006.17	9373.89
716.5	9254.76	9000.29	9000.34	9008.61	9000.24	9356.42	9000.24	9364.94
716.4	9307.61	8994.32	8994.32	9004.26	8994.25	9344.3	8994.25	9354.46
716.3	9364.44	8988.28	8988.25	9000.15	8988.19	9330.49	8988.19	9342.6
716.2	9369.4	8982.28	8982.21	8996.4	8982.17	9315.22	8982.17	9329.61
716.1	9226.13	8976.39	8976.27	8993.13	8976.24	9298.69	8976.24	9315.77
716	9308.28	8970.79	8970.61	8990.57	8970.58	9281.26	8970.58	9301.48
715.9	9349.58	8965.25	8965.01	8988.57	8964.99	9262.89	8964.99	9286.75
715.8	9238.84	8959.49	8959.16	8986.89	8959.15	9243.45	8959.15	9271.54
715.7	9262.76	8953.47	8953.03	8985.56	8953.02	9223.08	8953.02	9256.07
715.6	9229.32	8947.41	8946.84	8984.87	8946.84	9202.21	8946.84	9240.82
715.5	9275.39	8941.44	8940.72	8985.06	8940.71	9181.12	8940.71	9226.2
715.4	9428.38	8935.29	8934.36	8985.89	8934.36	9159.68	8934.36	9212.16
715.3	9518.86	8928.94	8927.75	8987.47	8927.75	9138.04	8927.75	9198.95
715.2	9349.37	8922.49	8920.98	8989.96	8920.98	9116.4	8920.98	9186.9
715.1	9222.44	8915.87	8913.96	8993.4	8913.96	9094.83	8913.96	9176.18
715	9384.69	8909.17	8906.77	8997.96	8906.77	9073.5	8906.77	9167.1
714.9	9477.55	8902.44	8899.42	9003.79	8899.42	9052.5	8899.42	9159.89
714.8	9437.65	8895.73	8891.95	9011.01	8891.95	9031.96	8891.95	9154.81
714.7	9398.51	8888.98	8884.26	9019.66	8884.26	9011.84	8884.26	9151.95
714.6	9358.35	8882.2	8876.34	9029.82	8876.34	8992.16	8876.34	9151.49
714.5	9296.88	8875.43	8868.17	9041.57	8868.17	8972.92	8868.17	9153.58
714.4	9307.67	8868.77	8859.82	9055.08	8859.82	8954.22	8859.82	9158.44
714.3	9558.44	8862.54	8851.52	9070.67	8851.52	8936.3	8851.52	9166.47
714.2	9661.33	8856.87	8843.36	9088.48	8843.36	8919.23	8843.36	9177.87
714.1	9511.55	8851.67	8835.16	9108.39	8835.16	8902.83	8835.16	9192.57
714	9309.29	8846.89	8826.79	9130.29	8826.79	8886.95	8826.79	9210.55
713.9	9227.98	8842.6	8818.21	9154.12	8818.21	8871.51	8818.21	9231.81
713.8	9243.08	8838.66	8809.17	9179.61	8809.17	8856.24	8809.17	9256.17
713.7	9377.29	8835.14	8799.6	9206.62	8799.6	8841.03	8799.6	9283.58
713.6	9470.28	8832.34	8789.66	9235.18	8789.66	8826.01	8789.66	9314.21
713.5	9483.16	8830.64	8779.57	9265.36	8779.57	8811.36	8779.57	9348.22
713.4	9657.18	8830.26	8769.35	9296.98	8769.35	8797.07	8769.35	9385.61
713.3	9745.13	8831.07	8758.69	9329.47	8758.69	8782.78	8758.69	9425.94
713.2	9821.08	8833.1	8747.39	9362.32	8747.39	8768.26	8747.39	9468.91
713.1	9705.78	8836.45	8735.3	9395.05	8735.3	8753.34	8735.3	9514.24
713	9527.11	8841.55	8722.61	9427.43	8722.61	8738.14	8722.61	9561.9
712.9	9647.22	8848.79	8709.43	9459.13	8709.43	8722.77	8709.43	9611.82
712.8	9763.17	8858.36	8695.66	9489.55	8695.66	8707.07	8695.66	9663.67
712.7	9908.9	8870.55	8681.28	9518.18	8681.28	8691.03	8681.28	9717.19
712.6	9865.74	8885.55	8666.19	9544.35	8666.19	8674.48	8666.19	9772.01
712.5	9827.59	8903.92	8650.61	9567.76	8650.61	8657.64	8650.61	9828.1
712.4	9947.71	8925.93	8634.5	9587.79	8634.5	8640.45	8634.5	9885.17
712.3	10122.7	8951.71	8617.69	9603.75	8617.69	8622.71	8617.69	9942.79
712.2	10330	8981.55	8600.18	9615.14	8600.18	8604.4	8600.18	10000.7
712.1	10156.8	9015.78	8582.02	9621.53	8582.02	8585.56	8582.02	10058.8
712	10080.8	9054.8	8563.39	9622.71	8563.39	8566.34	8563.39	10117.1
711.9	10081.6	9098.77	8544.25	9618.3	8544.25	8546.71	8544.25	10175.3
711.8	10186.2	9147.7	8524.51	9607.95	8524.51	8526.56	8524.51	10233.2
711.7	10243.6	9201.47	8503.97	9591.31	8503.97	8505.67	8503.97	10290.5

Binding energy (eV)	Intensity (a.u.)							
	LineA	LineB	LineC	LineD	LineE	LineF	LineG	LineH
711.6	10211.4	9260.03	8482.64	9568.3	8482.64	8484.04	8482.64	10347.1
711.5	10193	9323.48	8460.76	9539.21	8460.76	8461.91	8460.76	10403.1
711.4	10253.4	9391.39	8438.13	9503.97	8438.13	8439.08	8438.13	10458.2
711.3	10558.4	9463.23	8414.62	9462.65	8414.62	8415.4	8414.62	10512
711.2	10733.5	9538.51	8390.27	9415.6	8390.27	8390.9	8390.27	10564.5
711.1	10684	9616.42	8364.94	9363.06	8364.94	8365.46	8364.94	10615.1
711	10696.6	9696.14	8338.62	9305.45	8338.62	8339.04	8338.62	10663.4
710.9	10758.6	9776.88	8311.5	9243.47	8311.5	8311.84	8311.5	10709.2
710.8	10716.2	9857.44	8283.51	9177.58	8283.51	8283.79	8283.51	10751.8
710.7	10944.9	9936.46	8254.55	9108.19	8254.55	8254.77	8254.55	10790.3
710.6	11013.1	10013	8225	9036.27	8225	8225.18	8225	10824.4
710.5	10774.2	10085.6	8195.06	8962.54	8195.06	8195.2	8195.06	10853.3
710.4	10815.3	10152.9	8164.69	8887.51	8164.69	8164.81	8164.69	10875.9
710.3	10985.4	10213.4	8133.97	8811.74	8133.97	8134.06	8133.97	10891.3
710.2	10882.2	10265.2	8102.68	8735.48	8102.68	8102.75	8102.68	10898.1
710.1	10864.1	10307	8070.84	8659.18	8070.84	8070.89	8070.84	10895.4
710	10831.9	10337.9	8038.97	8583.72	8038.97	8039.02	8038.97	10882.7
709.9	10782.3	10356.7	8007.16	8509.51	8007.16	8007.19	8007.16	10859.1
709.8	11056.5	10362.3	7975.15	8436.58	7975.15	7975.18	7975.15	10823.7
709.7	10982.2	10353.9	7943.01	8365.2	7943.01	7943.03	7943.01	10776.1
709.6	10678.6	10331.3	7910.99	8295.82	7910.99	7911	7910.99	10716.1
709.5	10675.1	10294.4	7879.14	8228.61	7879.14	7879.15	7879.14	10643.9
709.4	10675.8	10243.4	7847.66	8163.87	7847.66	7847.67	7847.66	10559.6
709.3	10665.2	10178.9	7816.63	8101.7	7816.63	7816.63	7816.63	10464
709.2	10578.4	10101.6	7786.07	8042.18	7786.07	7786.08	7786.07	10357.7
709.1	10410.4	10012.7	7756.41	7985.69	7756.41	7756.41	7756.41	10242
709	10198.3	9913.53	7727.71	7932.28	7727.71	7727.72	7727.71	10118.1
708.9	10105.5	9805.28	7699.87	7881.78	7699.87	7699.88	7699.87	9987.19
708.8	10010.9	9689.46	7672.96	7834.18	7672.96	7672.96	7672.96	9850.68
708.7	9884.96	9567.83	7647.21	7789.63	7647.21	7647.21	7647.21	9710.25
708.6	9727.24	9442.27	7622.95	7748.35	7622.95	7622.95	7622.95	9567.67
708.5	9553.93	9314.27	7600.11	7710.17	7600.11	7600.11	7600.11	9424.33
708.4	9492.43	9185.27	7578.67	7674.96	7578.67	7578.67	7578.67	9281.56
708.3	9244.33	9056.74	7558.65	7642.63	7558.65	7558.65	7558.65	9140.72
708.2	8933.31	8929.94	7540.04	7613.06	7540.04	7540.05	7540.04	9002.96
708.1	8913.25	8806.15	7522.95	7586.24	7522.95	7522.95	7522.95	8869.44
708	8797.46	8686.43	7507.42	7562.1	7507.42	7507.42	7507.42	8741.12
707.9	8557.8	8571.56	7493.34	7540.45	7493.34	7493.34	7493.34	8618.67
707.8	8491.47	8462.1	7480.58	7521.04	7480.58	7480.58	7480.58	8502.56
707.7	8311.11	8358.57	7469.08	7503.73	7469.08	7469.08	7469.08	8393.22
707.6	8155.38	8261.24	7458.69	7488.27	7458.69	7458.69	7458.69	8290.82
707.5	8110.16	8170.29	7449.29	7474.46	7449.29	7449.29	7449.29	8195.46
707.4	8089.28	8085.97	7440.97	7462.33	7440.97	7440.97	7440.97	8107.34
707.3	8096.57	8008.39	7433.75	7451.83	7433.75	7433.75	7433.75	8026.46
707.2	8025.64	7937.39	7427.53	7442.78	7427.53	7427.53	7427.53	7952.64
707.1	7833.03	7872.6	7422.02	7434.85	7422.02	7422.02	7422.02	7885.43
707	7731.02	7813.36	7416.74	7427.5	7416.74	7416.74	7416.74	7824.12
706.9	7602.23	7759.37	7411.59	7420.59	7411.59	7411.59	7411.59	7768.36
706.8	7484.04	7710.46	7406.67	7414.17	7406.67	7406.67	7406.67	7717.95
706.7	7716.49	7666.41	7402.06	7408.3	7402.06	7402.06	7402.06	7672.65
706.6	8033.65	7627.06	7397.88	7403.04	7397.88	7397.88	7397.88	7632.22
706.5	7968.45	7592.03	7394.08	7398.35	7394.08	7394.08	7394.08	7596.3
706.4	7832.62	7560.91	7390.56	7394.08	7390.56	7390.56	7390.56	7564.43
706.3	7732.95	7533.26	7387.18	7390.07	7387.18	7387.18	7387.18	7536.15
706.2	7624.17	7508.6	7383.8	7386.17	7383.8	7383.8	7383.8	7510.97
706.1	7597.86	7486.61	7380.36	7382.3	7380.36	7380.36	7380.36	7488.55
706	7512.33	7467.33	7377.19	7378.77	7377.19	7377.19	7377.19	7468.9

Binding energy (eV)	Intensity (a.u.)							
	LineA	LineB	LineC	LineD	LineE	LineF	LineG	LineH
705.9	7555.52	7450.58	7374.39	7375.67	7374.39	7374.39	7374.39	7451.86
705.8	7582.32	7436.15	7371.96	7373	7371.96	7371.96	7371.96	7437.18
705.7	7505.32	7423.72	7369.84	7370.68	7369.84	7369.84	7369.84	7424.55
705.6	7417.88	7413.03	7367.96	7368.63	7367.96	7367.96	7367.96	7413.7
705.5	7366.21	7366.21	7366.21	7366.21	7366.21	7366.21	7366.21	7366.21



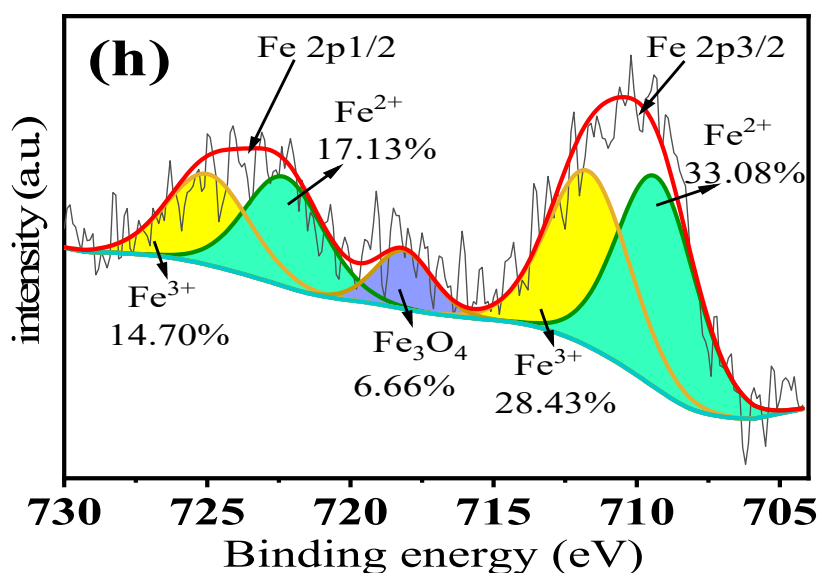
Binding energy (eV)	Intensity (a.u.)							
	LineA	LineB	LineC	LineD	LineE	LineF	LineG	LineH
730	9242.22	9147.76	9147.76	9147.76	9150.15	9147.76	9147.76	9150.15
729.9	9343.29	9144.51	9144.51	9144.51	9147.38	9144.51	9144.51	9147.39
729.8	9360.92	9141.65	9141.66	9141.65	9145.11	9141.65	9141.65	9145.11
729.7	9267.41	9138.98	9138.99	9138.98	9143.12	9138.98	9138.98	9143.12
729.6	9250.03	9136.43	9136.44	9136.43	9141.37	9136.43	9136.43	9141.38
729.5	9186.04	9133.84	9133.86	9133.84	9139.72	9133.84	9133.84	9139.74
729.4	9131.44	9131.05	9131.07	9131.05	9138.03	9131.05	9131.05	9138.05
729.3	9243.04	9128.75	9128.77	9128.75	9137	9128.75	9128.75	9137.03
729.2	9182.43	9127.13	9127.15	9127.13	9136.87	9127.13	9127.13	9136.9
729.1	9185.94	9126.03	9126.07	9126.03	9137.5	9126.03	9126.03	9137.53
729	9217.09	9125.36	9125.4	9125.36	9138.8	9125.36	9125.36	9138.85
728.9	9012.99	9125.15	9125.21	9125.15	9140.88	9125.15	9125.15	9140.94
728.8	9040.23	9124.94	9125.02	9124.94	9143.27	9124.94	9124.94	9143.35
728.7	9127.27	9124.54	9124.64	9124.54	9145.85	9124.54	9124.54	9145.94
728.6	9087.29	9124.03	9124.15	9124.03	9148.72	9124.03	9124.03	9148.84
728.5	9047.47	9123.57	9123.73	9123.57	9152.09	9123.57	9123.57	9152.25
728.4	9101.51	9123.15	9123.35	9123.15	9156	9123.15	9123.15	9156.2
728.3	9422.34	9122.67	9122.93	9122.67	9160.39	9122.67	9122.67	9160.64
728.2	9409.64	9121.98	9122.3	9121.98	9165.15	9121.98	9121.98	9165.47
728.1	9091.4	9121.22	9121.61	9121.22	9170.47	9121.22	9121.22	9170.86
728	9101.15	9120.45	9120.94	9120.45	9176.46	9120.45	9120.45	9176.96
727.9	9306.5	9119.6	9120.22	9119.6	9183.1	9119.6	9119.6	9183.72
727.8	9342.58	9118.6	9119.37	9118.6	9190.35	9118.6	9118.6	9191.12
727.7	9145.08	9117.5	9118.46	9117.5	9198.31	9117.5	9117.5	9199.26
727.6	9116.63	9116.52	9117.69	9116.52	9207.22	9116.52	9116.52	9208.39
727.5	9194.75	9115.65	9117.09	9115.65	9217.11	9115.65	9115.65	9218.56
727.4	9282.76	9114.73	9116.49	9114.73	9227.84	9114.73	9114.73	9229.61
727.3	9242.93	9113.64	9115.81	9113.64	9239.3	9113.64	9113.64	9241.47
727.2	9226.71	9112.55	9115.18	9112.55	9251.65	9112.55	9112.55	9254.28
727.1	9205.65	9111.49	9114.69	9111.49	9264.91	9111.49	9111.49	9268.11
727	9157.16	9110.31	9114.18	9110.31	9278.9	9110.31	9110.31	9282.77
726.9	9343.25	9109.01	9113.69	9109.01	9293.57	9109.01	9109.01	9298.25
726.8	9307.7	9107.55	9113.18	9107.55	9308.83	9107.55	9107.55	9314.45
726.7	9268.09	9105.9	9112.64	9105.9	9324.53	9105.9	9105.9	9331.28
726.6	9327.26	9104.11	9112.17	9104.11	9340.66	9104.11	9104.11	9348.72
726.5	9282.33	9102.19	9111.79	9102.19	9357.08	9102.19	9102.19	9366.68
726.4	9432.89	9100.16	9111.57	9100.16	9373.67	9100.16	9100.16	9385.07
726.3	9580.28	9098.07	9111.57	9098.07	9390.3	9098.07	9098.07	9403.81
726.2	9427.31	9095.95	9111.89	9095.95	9406.84	9095.95	9095.95	9422.78
726.1	9416.11	9093.74	9112.5	9093.74	9423.01	9093.74	9093.74	9441.77
726	9357.75	9091.42	9113.41	9091.42	9438.58	9091.42	9091.42	9460.57
725.9	9230.84	9088.99	9114.7	9088.99	9453.34	9088.99	9088.99	9479.04
725.8	9355.6	9086.41	9116.36	9086.41	9466.99	9086.41	9086.41	9496.93
725.7	9422.04	9083.74	9118.51	9083.74	9479.38	9083.74	9083.74	9514.16
725.6	9432.61	9081.15	9121.39	9081.15	9490.46	9081.15	9081.15	9530.71
725.5	9454.23	9078.52	9124.94	9078.52	9499.9	9078.52	9078.52	9546.32
725.4	9511.72	9075.69	9129.05	9075.69	9507.34	9075.69	9075.69	9560.71
725.3	9537.04	9072.62	9133.76	9072.62	9512.58	9072.62	9072.62	9573.72
725.2	9428.2	9069.3	9139.1	9069.3	9515.45	9069.3	9069.3	9585.26
725.1	9447.88	9065.85	9145.28	9065.85	9515.99	9065.85	9065.85	9595.42
725	9714.45	9062.48	9152.53	9062.48	9514.32	9062.48	9062.48	9604.37
724.9	9696.91	9059.13	9160.88	9059.13	9510.36	9059.13	9059.13	9612.1
724.8	9607.4	9055.8	9170.33	9055.8	9504.11	9055.8	9055.8	9618.64
724.7	9506.86	9052.46	9180.92	9052.46	9495.61	9052.46	9052.46	9624.06
724.6	9277.07	9048.99	9192.53	9048.99	9484.81	9048.99	9048.99	9628.35
724.5	9345.99	9045.29	9205.07	9045.29	9471.75	9045.29	9045.29	9631.53
724.4	9405.21	9041.42	9218.59	9041.42	9456.63	9041.42	9041.42	9633.8

Binding energy (eV)	Intensity (a.u.)							
	LineA	LineB	LineC	LineD	LineE	LineF	LineG	LineH
724.3	9465.52	9037.6	9233.3	9037.6	9439.87	9037.6	9037.6	9635.56
724.2	9719.32	9033.85	9249.13	9033.85	9421.69	9033.85	9033.85	9636.97
724.1	9753.89	9030.1	9265.96	9030.1	9402.22	9030.1	9030.1	9638.08
724	9689.38	9026.34	9283.66	9026.34	9381.69	9026.34	9026.34	9639.02
723.9	9574.72	9022.49	9302.04	9022.49	9360.26	9022.49	9022.49	9639.81
723.8	9549.56	9018.57	9320.95	9018.57	9338.16	9018.57	9018.57	9640.54
723.7	9567.67	9014.47	9340.08	9014.47	9315.51	9014.48	9014.47	9641.12
723.6	9493.78	9010.24	9359.27	9010.24	9292.56	9010.25	9010.24	9641.59
723.5	9362.87	9005.98	9378.37	9005.98	9269.61	9005.99	9005.98	9642
723.4	9417.83	9001.74	9397.16	9001.74	9246.88	9001.74	9001.74	9642.31
723.3	9648.43	8997.56	9415.43	8997.56	9224.57	8997.57	8997.56	9642.45
723.2	9633.91	8993.43	9432.82	8993.43	9202.81	8993.45	8993.43	9642.21
723.1	9722.25	8989.29	9448.99	8989.29	9181.63	8989.31	8989.29	9641.34
723	9683.62	8985.14	9463.62	8985.14	9161.15	8985.16	8985.14	9639.66
722.9	9523.49	8980.96	9476.4	8980.96	9141.42	8980.99	8980.96	9636.89
722.8	9466.24	8976.57	9486.87	8976.57	9122.3	8976.62	8976.57	9632.65
722.7	9524.82	8972.07	9494.87	8972.07	9103.95	8972.14	8972.07	9626.81
722.6	9534.59	8967.56	9500.27	8967.56	9086.47	8967.66	8967.56	9619.28
722.5	9497.44	8962.99	9502.85	8962.99	9069.83	8963.12	8962.99	9609.82
722.4	9650.44	8958.45	9502.56	8958.45	9054.11	8958.63	8958.45	9598.41
722.3	9543.2	8953.98	9499.37	8953.98	9039.34	8954.22	8953.98	9584.98
722.2	9619.65	8949.6	9493.27	8949.6	9025.51	8949.93	8949.6	9569.52
722.1	9690.3	8945.18	9484.16	8945.18	9012.47	8945.63	8945.18	9551.9
722	9616.59	8940.79	9472.21	8940.79	9000.24	8941.39	8940.79	9532.25
721.9	9526.43	8936.57	9457.67	8936.57	8988.92	8937.36	8936.57	9510.82
721.8	9328.71	8932.42	9440.67	8932.42	8978.37	8933.47	8932.42	9487.67
721.7	9484.09	8928.47	9421.53	8928.47	8968.67	8929.84	8928.47	9463.11
721.6	9428.7	8924.7	9400.51	8924.7	8959.77	8926.49	8924.7	9437.37
721.5	9230.54	8921.22	9378	8921.22	8951.71	8923.55	8921.22	9410.83
721.4	9323.89	8918.07	9354.34	8918.07	8944.5	8921.08	8918.07	9383.79
721.3	9299.3	8915.12	9329.71	8915.12	8937.96	8918.97	8915.12	9356.41
721.2	9209.33	8912.29	9304.35	8912.29	8931.98	8917.21	8912.29	9328.95
721.1	9106.31	8909.43	9278.38	8909.43	8926.34	8915.66	8909.43	9301.52
721	9129.29	8906.7	9252.26	8906.7	8921.18	8914.54	8906.7	9274.58
720.9	9269.49	8904.2	9226.36	8904.2	8916.56	8914.02	8904.2	9248.54
720.8	9279.09	8901.84	9200.81	8901.84	8912.36	8914.06	8901.84	9223.55
720.7	9361.97	8899.57	9175.8	8899.57	8908.5	8914.69	8899.57	9199.84
720.6	9250.49	8897.35	9151.45	8897.35	8904.91	8915.93	8897.35	9177.59
720.5	9014.03	8895.15	9127.9	8895.15	8901.52	8917.83	8895.15	9156.97
720.4	8990.47	8892.95	9105.27	8892.95	8898.31	8920.48	8892.95	9138.16
720.3	9141.16	8890.81	9083.7	8890.81	8895.31	8924.01	8890.81	9121.4
720.2	9199.62	8888.86	9063.39	8888.86	8892.62	8928.64	8888.86	9106.93
720.1	9157.72	8887.09	9044.39	8887.09	8890.22	8934.43	8887.09	9094.87
720	9066.31	8885.46	9026.69	8885.46	8888.07	8941.43	8885.46	9085.27
719.9	9009.25	8883.86	9010.18	8883.86	8886.02	8949.57	8883.86	9078.06
719.8	8941.49	8882.14	8994.71	8882.14	8883.93	8958.76	8882.14	9073.12
719.7	8974.63	8880.32	8980.26	8880.32	8881.79	8969.01	8880.32	9070.43
719.6	9104.84	8878.4	8966.82	8878.41	8879.61	8980.32	8878.4	9069.96
719.5	9188.52	8876.33	8954.27	8876.33	8877.32	8992.57	8876.33	9071.51
719.4	9179.6	8874.15	8942.62	8874.16	8874.96	9005.71	8874.15	9075
719.3	9138.99	8872.03	8931.96	8872.04	8872.69	9019.73	8872.03	9080.34
719.2	9264.73	8869.96	8922.24	8869.97	8870.49	9034.42	8869.96	9087.27
719.1	9428.58	8867.82	8913.28	8867.84	8868.25	9049.42	8867.82	9095.33
719	9291.01	8865.5	8904.9	8865.53	8865.85	9064.27	8865.5	9104.04
718.9	8963.94	8863.02	8897.04	8863.06	8863.3	9078.63	8863.02	9112.97
718.8	8896.42	8860.45	8889.73	8860.5	8860.67	9092.18	8860.45	9121.74
718.7	9020.24	8857.78	8882.9	8857.84	8857.96	9104.49	8857.78	9129.86

Binding energy (eV)	Intensity (a.u.)							
	LineA	LineB	LineC	LineD	LineE	LineF	LineG	LineH
718.6	9234.75	8855.06	8876.54	8855.13	8855.2	9115.18	8855.06	9136.89
718.5	9344.51	8852.42	8870.73	8852.52	8852.54	9123.98	8852.42	9142.51
718.4	9307.19	8849.88	8865.44	8850.01	8849.97	9130.53	8849.88	9146.31
718.3	9307.48	8847.39	8860.57	8847.55	8847.46	9134.48	8847.39	9147.89
718.2	9183.45	8844.82	8855.95	8845.02	8844.88	9135.48	8844.82	9146.87
718.1	9098.41	8842.17	8851.53	8842.43	8842.22	9133.41	8842.17	9143.07
718	9243.87	8839.44	8847.29	8839.75	8839.47	9128.23	8839.44	9136.43
717.9	9185.93	8836.69	8843.26	8837.09	8836.72	9120.11	8836.69	9127.1
717.8	9059.47	8834.05	8839.52	8834.55	8834.07	9109.35	8834.05	9115.34
717.7	8998.05	8831.49	8836.04	8832.11	8831.51	9096.2	8831.49	9101.39
717.6	9125.4	8829.15	8832.92	8829.91	8829.16	9081.16	8829.15	9085.7
717.5	9220.79	8827.01	8830.11	8827.95	8827.01	9064.58	8827	9068.65
717.4	9143.32	8824.89	8827.45	8826.05	8824.89	9046.72	8824.89	9050.45
717.3	9152.33	8822.84	8824.94	8824.27	8822.84	9028.05	8822.84	9031.59
717.2	8923.89	8820.83	8822.55	8822.58	8820.83	9008.95	8820.83	9012.43
717.1	8843.22	8818.85	8820.24	8820.99	8818.85	8989.78	8818.84	8993.34
717	9032.47	8816.88	8818.01	8819.49	8816.88	8970.87	8816.87	8974.64
716.9	9106.35	8815	8815.92	8818.17	8815	8952.59	8814.99	8956.7
716.8	9096.88	8813.37	8814.1	8817.21	8813.36	8935.3	8813.36	8939.91
716.7	8997.59	8811.9	8812.49	8816.54	8811.89	8919.12	8811.89	8924.38
716.6	8949.43	8810.48	8810.94	8816.06	8810.46	8904.04	8810.46	8910.14
716.5	8957.43	8808.86	8809.22	8815.56	8808.83	8889.89	8808.83	8897.03
716.4	8809.8	8807.05	8807.33	8815.07	8807.02	8876.73	8807.02	8885.12
716.3	8856.27	8805.36	8805.56	8814.93	8805.32	8864.84	8805.31	8874.74
716.2	9061.96	8803.83	8803.97	8815.21	8803.77	8854.26	8803.77	8865.94
716.1	9229.14	8802.42	8802.51	8815.93	8802.35	8844.88	8802.35	8858.68
716	9116.86	8801.09	8801.12	8817.07	8801	8836.59	8801	8852.86
715.9	8834.84	8799.71	8799.68	8818.54	8799.59	8829.17	8799.59	8848.33
715.8	8828.29	8798.25	8798.18	8820.4	8798.1	8822.54	8798.1	8845.05
715.7	8879.12	8796.76	8796.63	8822.71	8796.57	8816.62	8796.57	8843.02
715.6	8866.55	8795.25	8795.05	8825.58	8795.01	8811.36	8795.01	8842.22
715.5	9037.51	8793.89	8793.61	8829.22	8793.58	8806.84	8793.58	8842.81
715.4	9049.83	8792.74	8792.37	8833.76	8792.35	8803.02	8792.35	8844.86
715.3	8868.29	8791.7	8791.23	8839.2	8791.21	8799.76	8791.21	8848.26
715.2	8879.75	8790.69	8790.09	8845.51	8790.08	8796.88	8790.08	8852.94
715.1	8830.25	8789.65	8788.89	8852.71	8788.88	8794.26	8788.88	8858.88
715	8900.79	8788.52	8787.56	8860.83	8787.55	8791.78	8787.55	8866.04
714.9	8941.24	8787.28	8786.08	8869.93	8786.07	8789.38	8786.07	8874.45
714.8	8815.86	8786.03	8784.54	8880.2	8784.54	8787.11	8784.54	8884.28
714.7	8910.62	8784.77	8782.92	8891.7	8782.91	8784.9	8782.91	8895.54
714.6	9077.42	8783.45	8781.17	8904.48	8781.16	8782.69	8781.16	8908.29
714.5	9087.49	8782.19	8779.39	8918.7	8779.38	8780.55	8779.38	8922.68
714.4	9103.2	8780.94	8777.49	8934.38	8777.49	8778.37	8777.49	8938.7
714.3	9174.29	8779.76	8775.55	8951.62	8775.55	8776.21	8775.55	8956.49
714.2	9046.81	8778.72	8773.59	8970.53	8773.59	8774.09	8773.59	8976.15
714.1	8909.58	8777.62	8771.4	8990.91	8771.39	8771.77	8771.39	8997.5
714	8985.67	8776.37	8768.83	9012.65	8768.83	8769.11	8768.83	9020.46
713.9	8961.73	8775.13	8766.03	9035.89	8766.03	8766.24	8766.03	9045.19
713.8	8937.46	8774.07	8763.14	9060.73	8763.14	8763.29	8763.14	9071.82
713.7	9178.07	8773.27	8760.16	9087.13	8760.16	8760.27	8760.16	9100.35
713.6	9466.07	8772.72	8757.05	9114.94	8757.05	8757.13	8757.05	9130.69
713.5	9427.54	8772.31	8753.64	9143.87	8753.64	8753.69	8753.64	9162.6
713.4	9211.82	8772.06	8749.88	9173.71	8749.88	8749.92	8749.88	9195.93
713.3	9202.99	8772.16	8745.91	9204.39	8745.91	8745.94	8745.91	9230.68
713.2	9347.76	8772.6	8741.62	9235.56	8741.62	8741.64	8741.62	9266.56
713.1	9501.85	8773.46	8737.01	9266.94	8737.01	8737.03	8737.01	9303.4
713	9417.15	8775.04	8732.3	9298.42	8732.3	8732.31	8732.3	9341.16

Binding energy (eV)	Intensity (a.u.)							
	LineA	LineB	LineC	LineD	LineE	LineF	LineG	LineH
712.9	9295.53	8777.65	8727.71	9329.86	8727.71	8727.71	8727.71	9379.8
712.8	9431.6	8781.28	8723.1	9360.73	8723.1	8723.11	8723.1	9418.91
712.7	9385.35	8785.69	8718.15	9390.3	8718.15	8718.15	8718.15	9457.85
712.6	9301.92	8790.93	8712.77	9418.05	8712.77	8712.77	8712.77	9496.21
712.5	9239.59	8797.33	8707.18	9443.75	8707.18	8707.18	8707.18	9533.9
712.4	9392.56	8805.23	8701.62	9467.19	8701.62	8701.62	8701.62	9570.81
712.3	9722.67	8814.66	8695.96	9487.83	8695.96	8695.96	8695.96	9606.53
712.2	9822.49	8825.58	8690.07	9505.13	8690.07	8690.07	8690.07	9640.64
712.1	9639.35	8838.11	8683.95	9518.7	8683.95	8683.95	8683.95	9672.86
712	9405.92	8852.32	8677.54	9528.18	8677.54	8677.54	8677.54	9702.95
711.9	9509.88	8868.29	8670.85	9533.29	8670.85	8670.85	8670.85	9730.72
711.8	9603.27	8885.99	8663.77	9533.73	8663.77	8663.77	8663.77	9755.94
711.7	9752.24	8905.62	8656.42	9529.48	8656.42	8656.42	8656.42	9778.68
711.6	9767.06	8927.46	8649.04	9520.73	8649.04	8649.04	8649.04	9799.15
711.5	9699.25	8951.58	8641.7	9507.58	8641.7	8641.7	8641.7	9817.46
711.4	9802.09	8977.89	8634.31	9490.04	8634.31	8634.31	8634.31	9833.61
711.3	9755.1	9006.14	8626.71	9468.11	8626.71	8626.71	8626.71	9847.54
711.2	9692.71	9036.3	8618.95	9442.11	8618.95	8618.95	8618.95	9859.45
711.1	9688.1	9068.16	8610.98	9412.27	8610.98	8610.98	8610.98	9869.44
711	9642.27	9101.55	8602.84	9379	8602.84	8602.84	8602.84	9877.71
710.9	9674.41	9136.28	8594.58	9342.73	8594.58	8594.58	8594.58	9884.43
710.8	9693.56	9172	8586.17	9303.87	8586.17	8586.17	8586.17	9889.7
710.7	9861.33	9208.38	8577.65	9262.88	8577.65	8577.65	8577.65	9893.61
710.6	9946.36	9244.84	8568.85	9220.06	8568.85	8568.85	8568.85	9896.04
710.5	9889.2	9280.97	8559.85	9175.9	8559.85	8559.85	8559.85	9897.01
710.4	9854.08	9316.33	8550.72	9130.9	8550.72	8550.72	8550.72	9896.5
710.3	9899.81	9350.37	8541.48	9085.49	8541.48	8541.48	8541.48	9894.38
710.2	10105.7	9382.56	8532.15	9040.05	8532.15	8532.15	8532.15	9890.46
710.1	9936.97	9412.2	8522.64	8994.85	8522.64	8522.64	8522.64	9884.4
710	9817	9438.79	8513.06	8950.26	8513.06	8513.06	8513.06	9875.99
709.9	9732.74	9461.79	8503.43	8906.59	8503.43	8503.43	8503.43	9864.96
709.8	9723.5	9480.58	8493.66	8863.98	8493.66	8493.66	8493.66	9850.9
709.7	9886.94	9494.65	8483.76	8822.58	8483.76	8483.76	8483.76	9833.47
709.6	9899.62	9503.8	8473.94	8782.77	8473.94	8473.94	8473.94	9812.63
709.5	9928.47	9507.82	8464.34	8744.79	8464.34	8464.34	8464.34	9788.27
709.4	10007.6	9506.26	8454.77	8708.52	8454.77	8454.77	8454.77	9760.01
709.3	9988.99	9498.91	8445.15	8673.92	8445.15	8445.15	8445.15	9727.67
709.2	9679.01	9485.73	8435.51	8641.02	8435.51	8435.51	8435.51	9691.24
709.1	9648.94	9466.83	8425.87	8609.85	8425.87	8425.87	8425.87	9650.81
709	9809.21	9442.49	8416.35	8580.5	8416.35	8416.35	8416.35	9606.64
708.9	9792.3	9413.05	8407.01	8552.97	8407.01	8407.01	8407.01	9559.01
708.8	9699.92	9378.91	8397.88	8527.25	8397.88	8397.88	8397.88	9508.27
708.7	9619.43	9340.59	8389.05	8503.33	8389.05	8389.05	8389.05	9454.86
708.6	9600.95	9298.7	8380.62	8481.24	8380.62	8380.62	8380.62	9399.31
708.5	9530.4	9253.73	8372.53	8460.84	8372.53	8372.53	8372.53	9342.03
708.4	9490	9206.3	8364.82	8442.07	8364.82	8364.82	8364.82	9283.55
708.3	9455.44	9157.11	8357.59	8424.97	8357.59	8357.59	8357.59	9224.49
708.2	9271.89	9106.81	8350.89	8409.47	8350.89	8350.89	8350.89	9165.39
708.1	9049.98	9056.02	8344.77	8395.55	8344.77	8344.77	8344.77	9106.79
708	8984.08	9005.25	8339.21	8383.08	8339.21	8339.21	8339.21	9049.12
707.9	8951.42	8955.05	8334.22	8372.01	8334.22	8334.22	8334.22	8992.84
707.8	8879.37	8905.9	8329.84	8362.3	8329.84	8329.84	8329.84	8938.36
707.7	8711.79	8858.02	8325.87	8353.66	8325.87	8325.87	8325.87	8885.81
707.6	8680.99	8811.73	8322.28	8346	8322.28	8322.28	8322.28	8835.46
707.5	8625.65	8767.39	8319.11	8339.31	8319.11	8319.11	8319.11	8787.58
707.4	8507.6	8725.09	8316.24	8333.37	8316.24	8316.24	8316.24	8742.23
707.3	8802.51	8685	8313.62	8328.12	8313.62	8313.62	8313.62	8699.5

Binding energy (eV)	Intensity (a.u.)							
	LineA	LineB	LineC	LineD	LineE	LineF	LineG	LineH
707.2	8805.69	8647.2	8311.21	8323.44	8311.21	8311.21	8311.21	8659.43
707.1	8562.51	8611.74	8308.95	8319.24	8308.95	8308.95	8308.95	8622.03
707	8552.99	8578.66	8306.85	8315.48	8306.85	8306.85	8306.85	8587.29
706.9	8542.85	8547.98	8304.89	8312.11	8304.89	8304.89	8304.89	8555.19
706.8	8598.28	8519.64	8303.05	8309.07	8303.05	8303.05	8303.05	8525.66
706.7	8619.25	8493.7	8301.42	8306.42	8301.42	8301.42	8301.42	8498.7
706.6	8440.03	8470.32	8300.24	8304.39	8300.24	8300.24	8300.24	8474.46
706.5	8428.9	8449.36	8299.45	8302.87	8299.45	8299.45	8299.45	8452.78
706.4	8420.66	8430.42	8298.75	8301.57	8298.75	8298.75	8298.75	8433.24
706.3	8153.48	8413.35	8298.1	8300.42	8298.1	8298.1	8298.1	8415.67
706.2	8069.49	8398.08	8297.55	8299.45	8297.55	8297.55	8297.55	8399.98
706.1	8173.11	8384.5	8297.11	8298.66	8297.11	8297.11	8297.11	8386.05
706	8413.23	8372.59	8296.88	8298.14	8296.88	8296.88	8296.88	8373.86
705.9	8450.45	8362.21	8296.82	8297.85	8296.82	8296.82	8296.82	8363.23
705.8	8397.2	8355.93	8299.66	8300.49	8299.66	8299.66	8299.66	8356.76
705.7	8415.54	8350.77	8302.49	8303.16	8302.49	8302.49	8302.49	8351.44
705.6	8269.43	8346.6	8305.33	8305.87	8305.33	8305.33	8305.33	8347.14
705.5	8159.61	8343.34	8308.16	8308.59	8308.16	8308.16	8308.16	8343.77
705.4	8342.87	8340.88	8310.99	8311.34	8310.99	8310.99	8310.99	8341.23
705.3	8558.25	8339.14	8313.83	8314.11	8313.83	8313.83	8313.83	8339.41
705.2	8533.41	8338.02	8316.66	8316.88	8316.66	8316.66	8316.66	8338.24
705.1	8344.03	8337.47	8319.5	8319.67	8319.5	8319.5	8319.5	8337.65
705	8392.81	8337.41	8322.33	8322.47	8322.33	8322.33	8322.33	8337.54
704.9	8483.42	8337.77	8325.16	8325.27	8325.16	8325.16	8325.16	8337.88
704.8	8500.13	8338.5	8328	8328.08	8328	8328	8328	8338.59
704.7	8482.64	8339.56	8330.83	8330.9	8330.83	8330.83	8330.83	8339.63
704.6	8438.01	8340.89	8333.67	8333.72	8333.67	8333.67	8333.67	8340.95
704.5	8505.13	8342.47	8336.5	8336.54	8336.5	8336.5	8336.5	8342.51
704.4	8391.92	8344.25	8339.34	8339.37	8339.34	8339.34	8339.34	8344.28
704.3	8336.73	8346.2	8342.17	8342.19	8342.17	8342.17	8342.17	8346.22
704.2	8363.81	8348.3	8345	8345.02	8345	8345	8345	8348.32





Binding energy (eV)	Intensity (a.u.)						
	LineA	LineB	LineC	LineD	LineE	LineF	LineG
589.9	9031.14	9147.38	9173.85	9147.38	9147.38	9147.38	9173.92
589.8	9075.93	9146.37	9179.19	9146.37	9146.37	9146.37	9179.28
589.7	9143.61	9145.32	9185.83	9145.32	9145.32	9145.32	9185.94
589.6	9466.16	9144.25	9194.02	9144.25	9144.25	9144.25	9194.16
589.5	9580.26	9143.19	9204.04	9143.19	9143.19	9143.19	9204.21
589.4	9436.26	9142.04	9216.1	9142.04	9142.04	9142.04	9216.32
589.3	9329.38	9140.76	9230.46	9140.76	9140.76	9140.76	9230.73
589.2	9304.21	9139.23	9247.35	9139.23	9139.23	9139.23	9247.69
589.1	9267.87	9137.42	9267.12	9137.42	9137.42	9137.42	9267.54
589	9437.42	9135.32	9290.15	9135.32	9135.32	9135.32	9290.67
588.9	9604.06	9133.12	9317.05	9133.12	9133.13	9133.12	9317.69
588.8	9575.21	9130.92	9348.32	9130.92	9130.94	9130.92	9349.12
588.7	9669.07	9128.54	9384.22	9128.54	9128.57	9128.54	9385.21
588.6	9791.79	9125.89	9425.07	9125.89	9125.96	9125.89	9426.3
588.5	9633.76	9123	9471.26	9123	9123.11	9123	9472.78
588.4	9562.62	9119.77	9523.04	9119.77	9119.95	9119.77	9524.95
588.3	9826.59	9116.28	9580.76	9116.28	9116.58	9116.28	9583.16
588.2	9875.24	9112.54	9644.62	9112.54	9113.03	9112.54	9647.64
588.1	9842.52	9108.51	9714.64	9108.51	9109.3	9108.51	9718.49
588	9977.06	9104.3	9790.87	9104.3	9105.57	9104.3	9795.81
587.9	9995.73	9099.96	9873.14	9099.96	9101.95	9099.96	9879.53
587.8	10115.4	9095.4	9960.94	9095.4	9098.48	9095.4	9969.28
587.7	10194.9	9090.56	10053.6	9090.56	9095.27	9090.56	10064.6
587.6	10019	9085.51	10150.3	9085.51	9092.63	9085.51	10164.9
587.5	10035	9080.21	10250	9080.21	9090.81	9080.21	10269.4
587.4	10094.8	9074.53	10351.2	9074.53	9090.12	9074.53	10377.2
587.3	10130.8	9068.52	10452.4	9068.52	9091.13	9068.52	10487.3
587.2	10237.3	9062.1	10551.8	9062.1	9094.45	9062.1	10598.6
587.1	10395.7	9055.2	10647.5	9055.2	9100.87	9055.2	10710
587	10613.4	9047.92	10737.4	9047.92	9111.51	9047.92	10820.6
586.9	10681.9	9040.14	10819.4	9040.14	9127.48	9040.14	10929.6
586.8	10863.8	9031.77	10891.4	9031.77	9150.07	9031.77	11036.2
586.7	11100.1	9022.76	10951.3	9022.76	9180.74	9022.76	11139.9
586.6	11003.6	9013.06	10997.5	9013.06	9220.99	9013.06	11240.7
586.5	11060.3	9002.79	11028.4	9002.79	9272.46	9002.79	11338.7
586.4	11280.7	8991.94	11043.1	8991.94	9336.4	8991.94	11434.1
586.3	11463.6	8980.53	11040.9	8980.53	9413.71	8980.53	11527.1
586.2	11591.4	8968.67	11021.5	8968.67	9504.64	8968.67	11617.9
586.1	11427.5	8956.36	10985.3	8956.36	9608.44	8956.36	11705.9
586	11599.9	8943.69	10932.9	8943.69	9723.22	8943.69	11789.9
585.9	11745.4	8930.71	10865.4	8930.71	9845.65	8930.71	11867.8
585.8	11614.5	8917.39	10784.4	8917.39	9970.86	8917.39	11936.1
585.7	11739.3	8903.8	10691.5	8903.8	10092.7	8903.8	11990.4
585.6	11786.7	8890.1	10588.8	8890.1	10204.1	8890.1	12025.5
585.5	11581.5	8876.43	10478.6	8876.43	10297.5	8876.43	12036.1
585.4	11672.5	8862.89	10363	8862.89	10365.7	8862.89	12017
585.3	11782.5	8849.52	10244	8849.52	10402.9	8849.52	11964.3
585.2	11572.6	8836.41	10123.7	8836.41	10405.1	8836.41	11876.1
585.1	11351.4	8823.61	10004	8823.61	10371.3	8823.61	11752.9
585	11029.9	8811.29	9886.4	8811.29	10303.2	8811.29	11598.1
584.9	11053.8	8799.55	9772.51	8799.55	10205.3	8799.55	11417.3
584.8	11033.5	8788.37	9663.37	8788.37	10083.7	8788.37	11217.6
584.7	10752.4	8777.81	9559.91	8777.81	9945.99	8777.81	11007.3
584.6	10547.9	8767.98	9462.87	8767.98	9799.79	8767.98	10794.7

Binding energy (eV)	Intensity (a.u.)						
	LineA	LineB	LineC	LineD	LineE	LineF	LineG
584.5	10327.9	8758.82	9372.65	8758.82	9652.22	8758.82	10587
584.4	10206.8	8750.28	9289.42	8750.28	9509.23	8750.28	10390.2
584.3	10145.9	8742.29	9213.2	8742.29	9375.38	8742.29	10208.8
584.2	10027.5	8734.88	9143.95	8734.88	9253.85	8734.88	10045.7
584.1	9942.54	8728.01	9081.46	8728.01	9146.36	8728.01	9902.02
584	9851.67	8721.57	9025.36	8721.57	9053.42	8721.57	9777.92
583.9	9690.49	8715.55	8975.31	8715.55	8974.72	8715.55	9672.44
583.8	9666.42	8709.94	8930.92	8709.94	8909.31	8709.94	9584.03
583.7	9740.74	8704.74	8891.79	8704.74	8855.87	8704.74	9510.7
583.6	9688.5	8699.92	8857.45	8699.91	8812.83	8699.91	9450.26
583.5	9535.98	8695.4	8827.43	8695.4	8778.59	8695.4	9400.47
583.4	9324.79	8691.21	8801.33	8691.21	8751.64	8691.21	9359.26
583.3	9214.22	8687.31	8778.7	8687.31	8730.61	8687.31	9324.73
583.2	9253.9	8683.66	8759.15	8683.65	8714.26	8683.65	9295.19
583.1	9259.98	8680.36	8742.41	8680.34	8701.69	8680.34	9269.34
583	9163.35	8677.42	8728.19	8677.4	8692.09	8677.4	9246.07
582.9	9148.79	8674.64	8715.98	8674.62	8684.59	8674.62	9224.27
582.8	9089.29	8671.93	8705.42	8671.89	8678.57	8671.89	9203.17
582.7	8828.13	8669.33	8696.33	8669.28	8673.7	8669.28	9182.36
582.6	8876.18	8666.91	8688.56	8666.84	8669.72	8666.84	9161.58
582.5	9292.54	8664.63	8681.89	8664.53	8666.38	8664.53	9140.64
582.4	9371.44	8662.4	8676.07	8662.26	8663.44	8662.26	9119.42
582.3	9036.04	8660.27	8671.02	8660.08	8660.82	8660.08	9098.03
582.2	8781.4	8658.29	8666.65	8658.03	8658.49	8658.03	9076.65
582.1	8946.27	8656.38	8662.79	8656.03	8656.31	8656.03	9055.43
582	9125.23	8654.43	8659.24	8653.96	8654.13	8653.96	9034.52
581.9	8926.78	8652.51	8655.99	8651.88	8651.98	8651.88	9014.29
581.8	8836.19	8650.83	8653.16	8649.98	8650.04	8649.98	8995.29
581.7	8949.55	8649.36	8650.67	8648.23	8648.26	8648.23	8977.86
581.6	8952.22	8647.96	8648.33	8646.45	8646.47	8646.45	8962.22
581.5	8871.8	8646.54	8645.97	8644.54	8644.55	8644.54	8948.67
581.4	8861.67	8645.25	8643.71	8642.62	8642.63	8642.62	8937.74
581.3	9008.72	8644.3	8641.67	8640.84	8640.85	8640.84	8929.95
581.2	9064.51	8643.62	8639.73	8639.11	8639.11	8639.11	8925.57
581.1	9061.96	8643.15	8637.77	8637.3	8637.3	8637.3	8924.78
581	8927.7	8643.03	8635.81	8635.46	8635.46	8635.46	8927.88
580.9	8790.56	8643.44	8633.95	8633.7	8633.7	8633.7	8935.13
580.8	8798.32	8644.39	8632.09	8631.9	8631.9	8631.9	8946.43
580.7	8984.26	8645.9	8630.11	8629.97	8629.97	8629.97	8961.59
580.6	8995.28	8648.26	8628.13	8628.03	8628.03	8628.03	8980.47
580.5	8749.46	8651.72	8626.22	8626.15	8626.15	8626.15	9002.7
580.4	8924.2	8656.44	8624.33	8624.27	8624.27	8624.27	9027.63
580.3	9146.04	8662.54	8622.31	8622.27	8622.27	8622.27	9054.38
580.2	8996.13	8670.29	8620.13	8620.1	8620.1	8620.1	9082.09
580.1	8895.8	8680.05	8617.8	8617.78	8617.78	8617.78	9109.9
580	9033.6	8692.19	8615.31	8615.3	8615.3	8615.3	9136.96
579.9	9192.15	8707.17	8612.68	8612.67	8612.67	8612.67	9162.61
579.8	9136.42	8725.4	8609.82	8609.81	8609.81	8609.81	9186.34
579.7	9098.15	8747.45	8606.73	8606.73	8606.73	8606.73	9208.06
579.6	9338.29	8774.07	8603.56	8603.56	8603.56	8603.56	9228.19
579.5	9291.99	8805.93	8600.31	8600.31	8600.31	8600.31	9247.45
579.4	9241.9	8843.66	8596.9	8596.9	8596.9	8596.9	9266.87
579.3	9387.05	8888	8593.3	8593.31	8593.3	8593.3	9287.91
579.2	9304.29	8939.78	8589.56	8589.57	8589.56	8589.56	9312.36

Binding energy (eV)	Intensity (a.u.)						
	LineA	LineB	LineC	LineD	LineE	LineF	LineG
579.1	9136.34	8999.76	8585.62	8585.64	8585.62	8585.62	9342.05
579	9234.82	9068.73	8581.46	8581.48	8581.46	8581.46	9378.92
578.9	9402.25	9147.51	8577.1	8577.14	8577.1	8577.1	9424.9
578.8	9478.72	9236.72	8572.42	8572.5	8572.42	8572.42	9481.61
578.7	9537.51	9337.01	8567.44	8567.57	8567.43	8567.43	9550.55
578.6	9568.98	9448.92	8562.12	8562.35	8562.12	8562.12	9632.94
578.5	9734.42	9572.6	8556.26	8556.65	8556.26	8556.26	9729.43
578.4	9945.44	9708.13	8549.78	8550.42	8549.78	8549.78	9840.44
578.3	9904.99	9855.44	8542.71	8543.76	8542.71	8542.71	9966.1
578.2	10078.3	10014.1	8535.06	8536.75	8535.06	8535.06	10106.1
578.1	10462.9	10183.4	8526.75	8529.43	8526.75	8526.75	10259.6
578	10483.8	10362	8517.77	8521.96	8517.77	8517.77	10425.6
577.9	10493.2	10548.3	8508.12	8514.61	8508.12	8508.12	10602.3
577.8	10654.7	10740.4	8497.74	8507.64	8497.74	8497.74	10787.8
577.7	10890.2	10935.5	8486.56	8501.46	8486.56	8486.56	10979.9
577.6	10962.4	11130.6	8474.46	8496.59	8474.46	8474.46	11175.7
577.5	10985.2	11322.5	8461.41	8493.86	8461.41	8461.41	11372.5
577.4	11296.8	11507.4	8447.52	8494.45	8447.52	8447.52	11567.7
577.3	11636.2	11681.4	8432.7	8499.68	8432.7	8432.7	11758.5
577.2	11898.5	11840.5	8416.88	8511.17	8416.88	8416.88	11942.4
577.1	12087	11980.6	8400.11	8531.06	8400.11	8400.11	12117.3
577	12231.4	12098.2	8382.37	8561.75	8382.37	8382.37	12281.7
576.9	12461.2	12189.6	8363.66	8605.94	8363.66	8363.66	12435
576.8	12598	12252.1	8343.92	8666.53	8343.92	8343.92	12576.9
576.7	12648.9	12283.3	8323.13	8746.54	8323.13	8323.13	12708.3
576.6	12898.6	12282	8301.37	8848.87	8301.37	8301.37	12830.7
576.5	13001.5	12247.6	8278.67	8975.9	8278.67	8278.67	12945.6
576.4	13139.9	12180.5	8255.13	9129.15	8255.13	8255.13	13055.1
576.3	13469.3	12082	8230.86	9308.76	8230.86	8230.86	13160.3
576.2	13625	11954.3	8205.97	9512.92	8205.97	8205.97	13261.5
576.1	13813.2	11800	8180.5	9737.35	8180.5	8180.5	13357.1
576	13782.4	11622.6	8154.54	9975.05	8154.54	8154.54	13443.3
575.9	13621.5	11426	8128.29	10216.3	8128.29	8128.29	13514.1
575.8	13644.2	11214	8101.8	10448.7	8101.8	8101.8	13561
575.7	13662	10991	8075.23	10658.1	8075.23	8075.23	13573.8
575.6	13525.9	10761	8048.88	10830	8048.88	8048.88	13542.2
575.5	13297.1	10528.1	8022.92	10951	8022.92	8022.92	13456.2
575.4	13262	10295.9	7997.55	11010.3	7997.55	7997.55	13308.6
575.3	13098.7	10067.4	7972.86	11001.4	7972.86	7972.86	13096
575.2	12705.4	9845.54	7948.94	10923.2	7948.94	7948.94	12819.8
575.1	12471.5	9632.65	7926.09	10780.3	7926.09	7926.09	12486.8
575	12220.1	9430.64	7904.48	10581.8	7904.48	7904.48	12108
574.9	12018.4	9240.8	7884.12	10340.6	7884.12	7884.12	11697.3
574.8	11629.4	9064.11	7865.11	10071.2	7865.11	7865.11	11270.2
574.7	10992.8	8901.24	7847.62	9788.38	7847.62	7847.62	10842
574.6	10638.9	8752.35	7831.64	9505.63	7831.64	7831.64	10426.3
574.5	10477.1	8617.38	7817.2	9234.07	7817.2	7817.2	10034.2
574.4	10057.5	8496.11	7804.41	8982.18	7804.41	7804.41	9673.88
574.3	9635.95	8388	7793.22	8755.45	7793.22	7793.22	9350.23
574.2	9493.96	8292.45	7783.65	8556.83	7783.65	7783.65	9065.63
574.1	9074.29	8208.62	7775.59	8387	7775.59	7775.59	8820.03
574	8608.74	8135.5	7768.81	8244.87	7768.81	7768.81	8611.56
573.9	8459.26	8072.17	7763.2	8128.34	7763.2	7763.2	8437.31
573.8	8249.02	8017.69	7758.63	8034.62	7758.63	7758.63	8293.68

Binding energy (eV)	Intensity (a.u.)						
	LineA	LineB	LineC	LineD	LineE	LineF	LineG
573.7	8116.74	7971.14	7754.99	7960.63	7754.99	7754.99	8176.78
573.6	8020.11	7931.61	7752.13	7903.21	7752.13	7752.13	8082.69
573.5	7935.5	7898.29	7749.97	7859.43	7749.97	7749.97	8007.75
573.4	8059.16	7870.38	7748.39	7826.62	7748.39	7748.39	7948.6
573.3	7905.17	7847.01	7747.16	7802.31	7747.16	7747.16	7902.16
573.2	7835.46	7827.55	7746.2	7784.56	7746.2	7746.2	7865.91
573.1	7886.54	7811.47	7745.5	7771.82	7745.5	7745.5	7837.79
573	7740	7798.15	7744.91	7762.73	7744.91	7744.91	7815.97
572.9	7802.51	7787.17	7744.4	7756.31	7744.4	7744.4	7799.08
572.8	7835.78	7778.13	7743.93	7751.79	7743.93	7743.93	7785.99
572.7	7649.18	7770.84	7743.62	7748.73	7743.62	7743.62	7775.95
572.6	7616.92	7764.95	7743.39	7746.67	7743.39	7743.39	7768.23

