

Supporting Information for:

Single crystals of undoped Li_2WO_4 and $\text{Li}_2\text{W}_{1-0.0125}\text{Mo}_{0.0125}\text{O}_4$: Formation enthalpies, heat capacity in the temperature range 320-997 K

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Table S1. Selected experimental values of the heat capacity of $\text{Li}_2\text{W}_{0.9875}\text{Mo}_{0.0125}\text{O}_4$ in the temperature range of 319-997 K (molar mass is 260.63073 g mol⁻¹) at pressure $p = 0.1$ MPa ($u(p) = 0.05p$).

T/K	$C_{p,m}^0$ / J mol ⁻¹ K ⁻¹	T/K	$C_{p,m}^0$ / J mol ⁻¹ K ⁻¹	T/K	$C_{p,m}^0$ / J mol ⁻¹ K ⁻¹	T/K	$C_{p,m}^0$ / J mol ⁻¹ K ⁻¹
319.1	133.4	490.2	156.9	661.0	168.9	832.1	176.7
322.1	134.2	493.0	157.2	664.2	168.9	835.2	177.0
325.1	135.0	496.1	157.4	667.1	168.9	838.1	177.2
328.1	135.5	499.2	157.7	670.0	169.1	841.2	177.2
331.1	136.0	502.0	157.9	673.2	169.1	844.0	177.2
334.1	136.6	505.1	158.2	676.1	169.4	847.1	177.5
337.1	137.1	508.2	158.5	679.1	169.7	850.2	177.5
340.1	137.6	511.1	158.7	682.0	169.7	853.1	177.7
343.0	138.1	514.1	159.0	685.2	169.9	856.1	178.0
346.2	138.7	517.2	159.5	688.1	169.9	859.2	178.3
349.0	139.2	520.1	159.5	691.0	170.2	862.0	178.3
352.1	139.7	523.1	159.8	694.1	170.2	865.1	178.3
355.1	140.0	526.2	160.0	697.1	170.2	868.1	178.3
358.1	140.5	529.0	160.3	700.2	170.2	871.2	178.5
361.0	141.0	532.1	160.3	703.1	170.2	874.0	178.5
364.1	141.3	535.2	160.5	706.0	170.2	877.1	178.8
367.1	141.8	538.0	161.1	709.1	170.4	880.2	179.0
370.1	142.3	541.1	161.3	712.1	170.4	883.1	179.0
373.1	142.8	544.1	161.6	715.2	171.0	886.1	179.0
376.1	143.3	547.2	161.8	718.1	171.2	889.0	179.3
379.2	143.6	550.0	161.8	721.1	171.5	892.1	179.6
382.0	144.1	553.1	162.1	724.2	171.8	895.2	179.6
385.1	144.6	556.1	162.1	727.1	171.8	898.0	179.3
388.0	144.9	559.2	162.4	730.0	171.8	901.1	179.3
391.2	145.2	562.2	162.6	733.2	171.8	904.2	179.6
394.1	145.7	565.0	162.9	736.1	171.8	907.0	179.8
397.0	145.9	568.1	163.1	739.0	172.0	910.1	179.8
400.2	146.5	571.1	163.4	742.1	172.0	913.1	180.1
403.2	146.7	574.1	163.4	745.0	172.0	916.0	180.6
406.1	147.3	577.2	163.7	748.2	172.3	919.1	180.9
409.1	147.5	580.2	163.7	751.1	172.3	922.1	180.9
412.1	148.0	583.2	163.9	754.2	172.5	925.2	181.1
415.1	148.3	586.0	164.2	757.1	172.8	928.0	181.1
418.1	148.6	589.0	164.5	760.2	172.8	931.0	181.1
421.2	149.1	592.0	164.7	763.1	173.1	934.0	181.1
424.2	149.3	595.1	165.0	766.2	173.1	937.0	181.1
427.0	149.9	598.1	165.2	769.1	173.3	940.1	181.1
430.1	150.4	601.1	165.5	772.2	173.6	943.3	181.4
433.1	150.6	604.1	165.8	775.1	173.6	946.3	181.7
436.2	151.2	607.1	166.0	778.0	173.8	949.1	181.9
439.0	151.4	610.1	166.0	781.0	174.1	952.2	181.7
442.1	151.7	613.1	166.3	784.2	174.1	955.0	181.7

445.1	152.2	616.1	166.5	787.1	174.4	958.0	181.4
448.2	152.5	619.0	166.5	790.1	174.6	961.1	181.7
451.0	152.7	622.0	166.8	793.2	174.9	964.1	182.2
454.1	153.0	625.0	166.8	796.1	174.9	967.2	182.4
457.2	153.2	628.2	166.8	799.2	175.1	970.0	182.4
460.0	153.5	631.2	167.3	802.0	175.1	973.1	182.4
463.1	154.0	634.1	167.6	805.1	175.4	976.1	182.7
466.2	154.3	637.1	167.6	808.2	175.7	979.2	183.2
469.0	154.5	640.1	167.8	811.1	175.7	982.2	183.2
472.1	155.1	643.0	167.8	814.2	175.7	985.0	183.0
475.2	155.3	646.0	168.1	817.1	175.9	988.1	183.0
478.1	155.6	649.2	168.1	820.2	175.9	991.1	183.2
481.2	156.1	652.1	168.4	823.1	176.2	994.1	183.5
484.0	156.4	655.1	168.6	826.2	176.4		
487.1	156.6	658.0	168.6	829.0	176.7		
