

Supplementary information

Fluorescent labelling as a tool for identifying and quantifying nanoplastics

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Peaks coordinates in the 3D Excitation-Emission Fluorescence Matrix

Cyanine-3				
	Peak 1		Peak 3	
	λ_{ex}	λ_{em}	λ_{ex}	λ_{em}
Alone	544	563	515	563
with HDPE	545	564	515	564
with LDPE	544	564	515	563
with PP	544	564	514	564
with PS	507	526	476	526
with PVC	500	519	469	519
with PET	513	534	482	534

Fluoresceine				
	Peak 1		Peak 5	
	λ_{ex}	λ_{em}	λ_{ex}	λ_{em}
Alone	250	510	488	515
with HDPE	235	525	477	515
with LDPE	265	510	440	515
with PP	250	515	457	515
with PS	250	510	437	516
with PVC	250	520	489	515
with PET	245	510	489	515

Rhodamine-6G								
	Peak 1		Peak 2		Peak 3		Peak 4	
	λ_{ex}	λ_{em}	λ_{ex}	λ_{em}	λ_{ex}	λ_{em}	λ_{ex}	λ_{em}
Alone	246	549	276	549	347	549	500	550
with HDPE	239	510	277	509	321	510	490	514
with LDPE	239	510	279	510	321	512	486	515
with PP	247	547	275	547	346	547	500	547
with PS	239	510	320	510	/	/	488	513
with PVC	246	548	278	548	346	548	500	547

Vat Red				
	Peak 1		Peak 2	
	λ_{ex}	λ_{em}	λ_{ex}	λ_{em}
Alone	239	355	285	350
with HDPE	240	355	290	350
with LDPE	240	355	285	350
with PP	240	355	290	350
with PS	240	355	285	350
with PVC	255	355	287	357
with PET	240	355	290	350