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Uzorkovanje

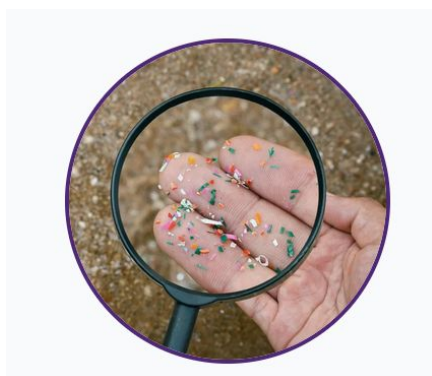
Manta mreža (promer 100 μm , 200 μm , 250 μm , 300 μm , 335 μm and 500 μm)



Sita (od 20 μm , do 200 mm)



Referentni materijali



Microplastic

BAM-P201, Artificially aged Polyethylene (PE)

	Particle size in μm	Standard deviation in μm	Rel. standard deviation in %
d_{10}	17,9	0,3	1,8
d_{50}	61,2	1,4	2,3
d_{90}	158,6	7,5	4,7

Carbonyl-Index	Standard deviation	Rel. standard deviation in %
1,86	0,12	6,7

ΔH in $\mu\text{W}/\text{mg}$	Standard deviation in $\mu\text{W}/\text{mg}$	Rel. standard deviation in %
12360	1012	8,2

BAM-P202, Polystyrene (PS)

	Particle size in μm	Twofold Standard deviation 2·s in μm	Expanded uncertainty in μm
d_{10}	91	9	13
d_{50}	206	27	29
d_{90}	311	28	28

BAM-P206, Polyethylenterephthalat (PET)

	Particle size in μm	Twofold Standard deviation 2·s in μm	Expanded uncertainty in μm
d_{10}	29	1	2
d_{50}	62	1	4
d_{90}	107	3	8

Priprema-manipulacija uzorcima

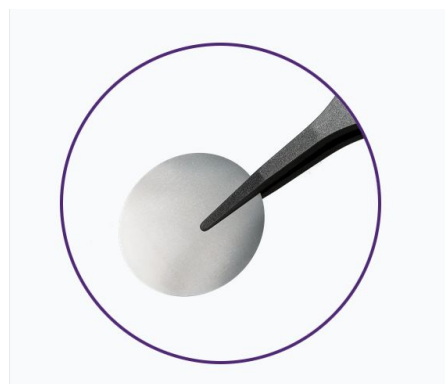
Vakuum filtracija



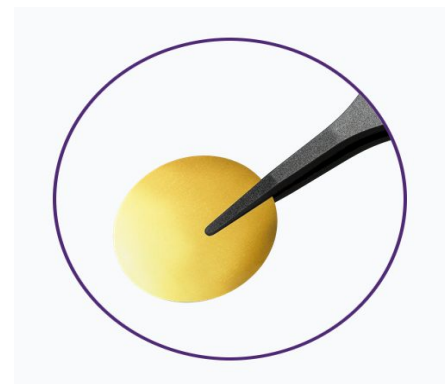
Laminarna komora



Filteri obloženi zlatom i aluminijumom



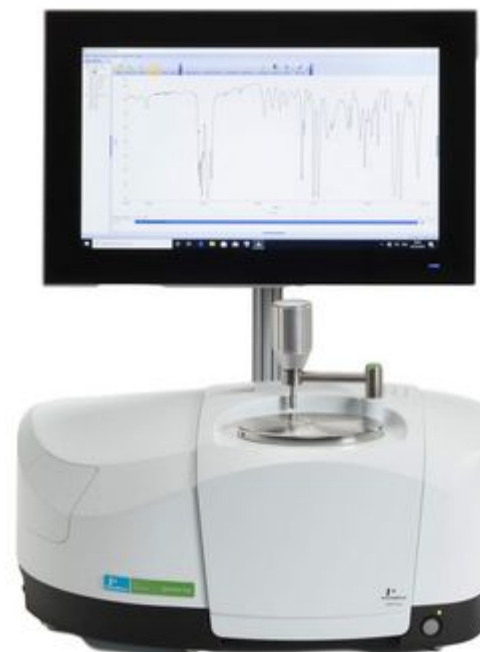
i3



Oprema za detekciju

FT IR + ATR

SpectrumTWO PerkinElmer
UATR PerkinElmer



FT IR Mikroskop

Spotlight 200i PerkinElmer

FT IR Imaging System

Spotlight 400 PerkinElmer



PerkinElmer Spotlight 400 FT-IR Imaging system



SP-ICP-MS

NexION 1100/2200 PerkinElmer



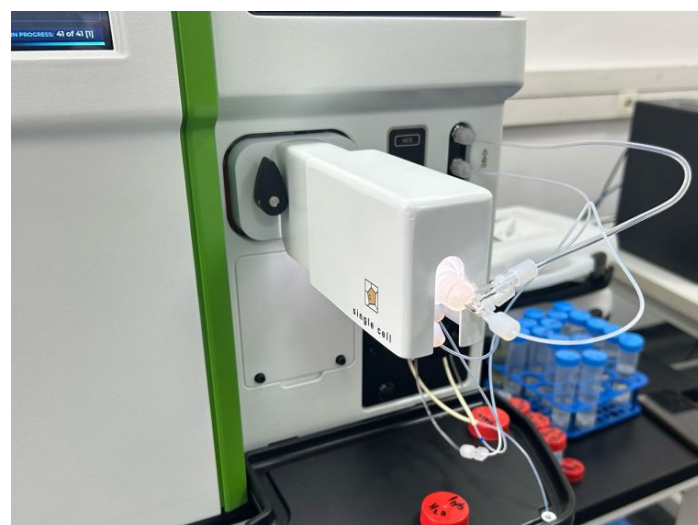
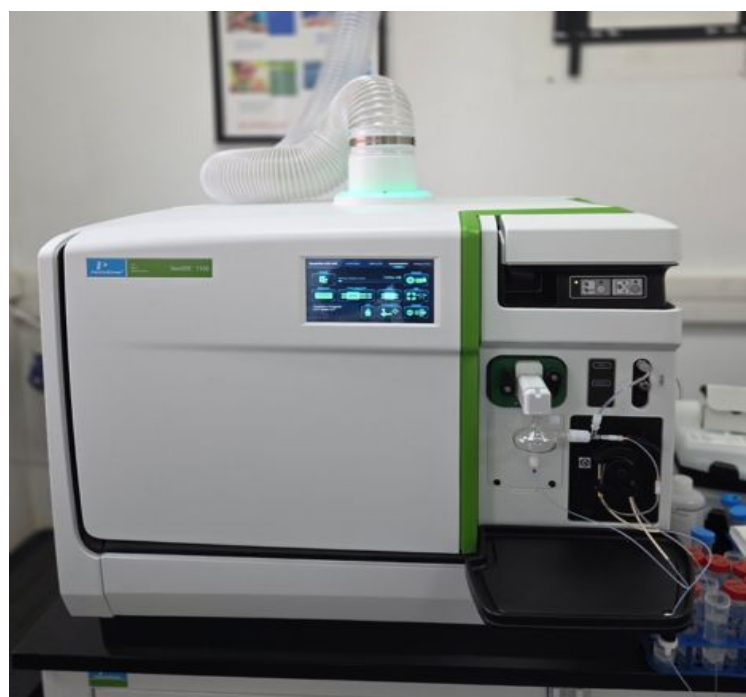
PerkinElmer Hyphenation System.



TGA-GC/MS

**Hyphenation system
TGA9 PerkinElmer
GCMS 2400 PerkinElmer**

Institu SUPERLAB





Hvala na pažnji!

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