



Microplastics Certificate of Analysis

Results of Analysis by Agilent 8700 LDIR

Client: Light Labs **Date Received:** 4/14/2026
Sample ID: 212743 **Workorder Number:** 1767110
Sample Description: Hallstein, Default (LLTID63128)
Lot: N/A **Order:** 7517

Analysis Date: 4/15/2026 **Authorized By:** TJB
Report Date: 4/21/2026

Microplastic Identity	Abbreviation	Result (MPs/L)	Average Diameter (µm)
Acrylates	-	0	0.0
Acrylonitrile Butadiene Styrene	ABS	0	0.0
Alkyd Varnish	-	6	20.2
Ethylene Vinyl Acetate	EVA	0	0.0
Polyacetal	-	0	0.0
Polylactic Acid	PLA	0	0.0
Polyamide (Synthetic)	PA	20	22.5
Polybutadiene	BR	0	0.0
Polycaprolactone	PCL	0	0.0
Polycarbonate	PCL	0	0.0
Polyether	-	0	0.0
Polyethylene	PE	0	0.0
Polyethylene Chlorinated	PE-Cl	0	0.0
Polyethylene Terephthalate	PET	4	75.3
Polyimide	PI	0	0.0
Polyisoprene Chlorinated	-	2	39.1
Polymethyl Methacrylate	PMMA	0	0.0
Polyoxymethylene	POM	0	0.0
Polypropylene	PP	39	47.2
Polystyrene	PS	0	0.0
Polysulfone	PSU	0	0.0
Polytetrafluoroethylene	PTFE	37	76.2
Polyurethane	PU	2	35.5
Polyvinyl Alcohol	PVA	0	0.0
Polyvinyl Chloride	PVC	0	0.0
Rubber	-	26	33.1
Silicone	-	0	0.0

Total Microplastic Particles: 136 MPs/L
Size Range: 15-500 µm (All particles are assumed to be spherical)

Unit: MPs (Microplastic Particles)

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