



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
Polyactic 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)

Unless otherwise noted, all samples were received in acceptable condition. The result(s) in this report relate only to the portion of the sample(s) tested. This report does not constitute a release of product for consumption. This report shall not be reproduced except in full, without written approval of the laboratory. This document contains confidential commercial information pursuant to 5 U.S.C. Sec. 552(b)(4).



Microplastics Certificate of Analysis

Results of Analysis by Agilent 8700 LDIR

Client:	Light Labs	Date Received:	4/14/2026
Sample ID:	Blank	Workorder Number:	1767110
Sample Description:			
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	-	0	0.0
Ethylene Vinyl Acetate	EVA	0	0.0
Polyacetal	-	0	0.0
Polylactic Acid	PLA	0	0.0
Polyamide (Synthetic)	PA	0	0.0
Polybutadiene	BR	0	0.0
Polycaprolactone	PCL	0	0.0
Polycarbonate	PCL	0	0.0
Polyether	-	0	0.0
Polyethylene	PE	1	16.9
Polyethylene Chlorinated	PE-Cl	0	0.0
Polyethylene Terephthalate	PET	0	0.0
Polyimide	PI	0	0.0
Polyisoprene Chlorinated	-	0	0.0
Polymethyl Methacrylate	PMMA	0	0.0
Polyoxymethylene	POM	0	0.0
Polypropylene	PP	0	0.0
Polystyrene	PS	0	0.0
Polysulfone	PSU	0	0.0
Polytetrafluoroethylene	PTFE	0	0.0
Polyurethane	PU	0	0.0
Polyvinyl Alcohol	PVA	0	0.0
Polyvinyl Chloride	PVC	0	0.0
Rubber	-	0	0.0
Silicone	-	0	0.0

Total Microplastic Particles: 1 MPs/L
Size Range: 15-500 µm (All particles are assumed to be spherical)

Unit: MPs (Microplastic Particles)

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