



Microplastics Certificate of Analysis

Results of Analysis by Agilent 8700 LDIR

Client: Light Labs **Date Received:** 3/30/2026
Sample ID: 211119 **Workorder Number:** 1766605
Sample Description: Icelandic, Default (LLTID58079)
Lot: N/A **Order:** 6898

Analysis Date: 4/2/2026 **Authorized By:** TJB
Report Date: 4/8/2026

Microplastic Identity	Abbreviation	Result (MPs/Liter)	Average Diameter (µm)
Acrylates	-	60	21.2
Acrylonitrile Butadiene Styrene	ABS	4	17.3
Alkyd Varnish	-	29	38.2
Ethylene Vinyl Acetate	EVA	0	0.0
Polyacetal	-	0	0.0
Polylactic Acid	PLA	0	0.0
Polyamide (Synthetic)	PA	631	29.3
Polybutadiene	BR	0	0.0
Polycaprolactone	PCL	0	0.0
Polycarbonate	PCL	0	0.0
Polyether	-	0	0.0
Polyethylene	PE	103	26.0
Polyethylene Chlorinated	PE-Cl	0	0.0
Polyethylene Terephthalate	PET	316	43.0
Polyimide	PI	0	0.0
Polyisoprene Chlorinated	-	2	59.7
Polymethyl Methacrylate	PMMA	0	0.0
Polyoxymethylene	POM	2	15.5
Polypropylene	PP	0	0.0
Polystyrene	PS	2	18.3
Polysulfone	PSU	0	0.0
Polytetrafluoroethylene	PTFE	0	0.0
Polyurethane	PU	191	27.8
Polyvinyl Alcohol	PVA	0	0.0
Polyvinyl Chloride	PVC	4	39.4
Rubber	-	33	23.9
Silicone	-	0	0.0

Total Microplastic Particles: 1377 MPs/Liter
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
Sample ID: Blank
Sample Description: N/A
Lot: N/A

Date Received: 3/30/2026
Workorder Number: 1766605
 Order: 6898

Analysis Date: 4/2/2026
Report Date: 4/8/2026

Authorized By: TJB

Microplastic Identity	Abbreviation	Result (MPs/Liter)	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	0	0.0
Polyethylene Chlorinated	PE-Cl	1	42.2
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	-	2	20.2
Silicone	-	0	0.0

Total Microplastic Particles: 3 MPs/Liter
Size Range: 15-500 µm (All particles are assumed to be spherical)

Unit: MPs (Microplastic Particles)

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