Test report ID XXXXX

Customer Example Company

Assignment Measurlabs provided microplastics analysis as requested by the customer.

Sample(s) Sampling was performed by the customer.

Sample name	Matrix	Performed measurements
Sample 1	Lake water	Microplastics in natural water or wastewater (µFTIR)

Samples received dd/mm/yyyy

Results The results presented on the next page(s) relate to the tested sample(s) only.

On XXXXX, issued by

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Test results - Microplastics, µFTIR method

Methods

Test performed by an ISO/IEC 17025 accredited external service provider.

In-house method, µFTIR

Additional information

The sample was prepared as follows: 100 mL of a homogenous sample was subjected to a digestion procedure and was filtered through an aluminium oxide filter. The filter was subsequently analyzed using FTIR microscopy, and the final result is the number of microplastic particles found on the filter after filtration. The criteria of acceptance for a positive identification is a 70% spectral similarity value. Spectra with similarity values lower than 70% (down to 50%) can subsequently be added to the results, following a visual inspection and identification by a qualified operator.

Results

Sample name: Sample 1 (lake water)

The entire filtered surface was analyzed. The acceptance criterion for a positive identification was a 70% spectral similarity value.

Polymer type	Particle size range (µm)	Unit	Result
Polypropylene (PP)	50–100	Number of particles/100 mL	11
Polyethylene (PE)	10–50	Number of particles/100 mL	3
	50–100	Number of particles/100 mL	2
Polystyrene (PS)	10–50	Number of particles/100 mL	1
	50–100	Number of particles/100 mL	3
Polyethylene terephthalate (PET)	50–100	Number of particles/100 mL	2
	100–500	Number of particles/100 mL	1
Total	-	Number of particles/100 mL	23

End of the test report