

Test report ID 7762

Customer Alexandra Gibson

Hawaiian Islands Trading Company LLC

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Assignment Measurlabs provided Microplastics analyses as requested by the customer.

Sample(s) Sampling was performed by the customer.

Sample name	Measurlabs ID	Performed measurements
KSS-001	ID 7762 - 1	Microplastics, µRaman method

Photograph of the sample(s)



Samples received 29

29/08/2023

Results

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

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Test results - Microplastics, µRaman method

Methods

Test performed by an ISO/IEC 17025 accredited external service provider. The sample was prepared as follows: 1g of the sample was dissolved in one liter of pure deionized water, after which the entire volume was filtered through a silicon filter. Final result is the number of particles found on the filter after the filtration.

Results

In total, 526 particles were analyzed. The criteria of acceptance for positive identification is at least a 70% match to a spectra from one of the used spectral libraries.

Parameter	Unit	Result
Polypropylene particles (50-100 μm)	Particles	2
Polypropylene particles (100-500 µm)	Particles	4
Polyethersulfonate particles (1-50 µm)	Particles	1
Polycarbonate particles (1-50 µm)	Particles	1
Polybutadiene particles (1-50 µm)	Particles	1

End of the test report