

TEST REPORT

Receipt No.	8225-5001-100217	Client Name	KOTITI
Test start	2025.07.08	Test end	2025.07.16
Sample No.	8225-5001-100217	Manufacturing No.	-
Sample Name	Kamidi feeding bottle PPSU	Expiry date	- / 3 years from the manufacturing date
Sample classification	☐ Sample for filtration only		(e.g. beverages, drinking water, oil, etc.)
	☒ Sample for dissolution or extraction		(e.g. salt, sugar, grain, tea bags, etc.)
	☐ Sample for oxidation of organic matter		(e.g. river water, chlorinated water, etc.)
	☐ Sample for oxidation and density separation		(e.g. other environmental samples, etc.)
	☐ Sample unrelated to pre-treatment		(e.g. cosmetics, quasi-drugs, etc.)
	☐ Other		
Test method	☒ In house method		☐ Following the guideline for the analysis method
	☐ Based on the "Microplastic Test Guide for Plastic Products in Contact with Food"		
Test Principle & Procedure	Samples are cleaned with ultrapure water and dried at room temperature. A total of 3 repetitions are performed by injecting 0.3 L of ultrapure water into the sample container and shaking horizontally in a shaking water bath (70 rpm, 30 minutes, 30 °C). The collected water is passed through a stainless steel mesh filter (13 μm pore size) and an anodized membrane filter (0.2 μm pore size) in that order, then dried and measured. Contaminants from outside are excluded through visual inspection under a microscope, and microplastic particles are analyzed through FT-IR (Fourier-transform infrared spectroscopy) and Raman spectroscopy. Analysis results are compared to reference library spectra.		
Test date	2025.07.08		
Amount	☐ (g) ☒ (0.3) L		
Filters Used	☒ Stainless steel Mesh Filter	☐ Anodisc membrane Filter	☐ Others ()
	Mesh filter (13) mm, ≥ (20) μm	직경 () mm, ≥ () μm	직경 () mm, 공극 () μm
Test Equipment	☐ B-202106-0002 (FT-IR ①)	☒ Z-202107-0007 (FT-IR ②)	☐ Z-202112-0001 (FT-IR ③)
	☐ B-12-1386-01 (FT-IR ④)	☐ B-202108-0003 (Raman)	☐ 기타 ()

Results

Sample No.	Results
8225-5001-100217	No Detection
Judgment	Particles ≥ 45 μm
Remarks	

Raw Data (In house method)

Receipt Number	8225-5001-100217	Date of Analysis	2025.07.16
Test Equipment	Z-202107-0007 (FT-IR ②)	Analyst	신민경

Sample Image	Filter Image	Detection Status
		Not Detected

No.	FT-IR image
	