



CERTIFICATE OF ANALYSIS

PRODUCT	Nylon-12
LOT NUMBER	1106LAD
DATE (month/day/year)	11/19/2020
SUPPLIER:	TKB Trading LLC. 1101 9Th Ave Oakland, CA 94606
Manufacturing/Shipping Date	12/06/2018
Expiration Date	12/05/2022

Characteristic	Specification	Result	Test Method
Color	White	Pass	Visual
Odor	Matches Standard	Pass	Organoleptic
Appearance	Fine Powder	Pass	Visual
Water Content (%)	≤ 1.0	0.1	Karl Fisher
pH (%)	6.0 to 8.0	6.8	Manufacturer's Method (10% suspension in water)
Average Particle Size (µm)	6.0 to 9.0	7.1	Particle Size Analyzer
Particle Size Distribution < 5µm (%)	≤ 4.0	3.9	Particle Size Analyzer
Particle Size Distribution > 10µm (%)	≤ 15.0	1.8	Particle Size Analyzer
Particle Size Distribution > 20µm (%)	≤ 0.0	0.0	Particle Size Analyzer
Solvent Soluble Substance (%)	≤ 0.5	0.0	JSCI
Lead (ppm)	≤ 2.0	N.D.	JSCI
Arsenic (ppm)	≤ 1.0	N.D.	JSCI

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Characteristic	Specification	Result	Test Method
Specific Surface Area (m ² /g)	0.8 to 1.8	1.6	Particle sizer
Apparent Density (g/mL)	0.40 to 0.58	0.57	JIS
Residue on Ignition (%)	≤ 0.5	0.0	JSCI
Melting Point (°C)	165 to 175	169	DSC

All tests, unless otherwise specified, have been performed by the manufacturer.

This certificate was produced by electronic data processing equipment and is therefore issued unsigned.