



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Item	Details
Product Name	Kaolin
Product Number	KL-20260222
Batch Number	KL-SH2026022201
Brand	SIGALD
CAS Number	1332-58-7
MDL Number	MFCD00149916
Formula	$\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 2\text{H}_2\text{O}$ (Hydrated Aluminum Silicate)
Molecular Weight	258.16 g/mol
Quality Release Date	22 FEB 2026

Test Results

Test	Specification (Industrial Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	Off-white	-	Visual Inspection
Appearance (Form)	Fine crystalline powder	Fine powder	-	Visual Inspection
Al_2O_3 Content	$\geq 38.0\%$	39.5%	%	X-ray Fluorescence Spectrometry
SiO_2 Content	45.0-50.0%	47.8%	%	X-ray Fluorescence Spectrometry
Fe_2O_3 Content	$\leq 0.5\%$	0.2%	%	Atomic Absorption Spectrometry (AAS)
TiO_2 Content	$\leq 0.3\%$	0.1%	%	Atomic Absorption Spectrometry (AAS)
Moisture Content	$\leq 0.3\%$	0.09%	%	Karl Fischer Titration
Ash Content	$\leq 0.1\%$	0.02%	%	Ignition Gravimetric Method
Particle Size (D50)	2-8 μm	5.2 μm	μm	Laser Particle Size Analyzer
pH Value (5% aq. suspension)	6.0-8.0	7.1	-	Digital pH Meter
Whiteness (CIE)	$\geq 85\%$	88.3%	%	Whiteness Meter
Heavy Metals (Pb)	≤ 5 ppm	0.7 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Acid Soluble Matter	$\leq 1.0\%$	0.4%	%	Gravimetric Method

Certification

This batch of Kaolin has been tested in accordance with the established industrial standards and meets all specified requirements for chemical composition, physical properties and impurity limits. It is qualified for use in ceramic, papermaking, coating, rubber and plastic applications.

Issue Date: 22 FEB 2026