

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-27 17:59:20

Date of Next Testing: 2030-03-26 17:59:20

Product Name: **Nano fumed silica**

CAS Number: 112945-52-5

Specifications & Purity: Hydrophilicity, ≥99.8% metals basis, specific surface area(BET):380m2/g;particle size:7-40nm

Lot #: C2603077

SKU # **S104598**

Version **1**

Analysis #: **155039**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.97580 %
Specific surface area (BET)	360-400	380.00000
loss on Ignition	0-2.5 (%)	1.30000 %
Loss on drying	0-2.5 (%)	0.14000 %
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	45.00000 g/L
Silica content(Based on the product after ignition)	99.8-100 (%)	99.82000 %
Trace Metal Analysis	0-2000 (ppm)	242.00000 ppm
PH-value in 4% dispersion	3.7-4.5	3.90000
Particle size	7-40 (nm)	14.02000 nm
Sieve residue (45µm)	0-0.04 (%)	0.02000 %
Carbon content(2h based on the product after drying 105 °C)	0-0.15 (%)	0.07000 %
Appearance (S104598)	White flocculent solid	White flocculent solid
ICP: Confirms Silicon Component	Confirmed	Confirmed



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager