

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-15 14:35:32

Date of Next Testing: 2029-09-14 14:35:32

Product Name: **Nano fumed silica**

CAS Number: 112945-52-5

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

Lot #: I2508536

SKU #: **S104598**

Version: **1**

Analysis #: **558869**

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.96 %
Specific surface area (BET)	360-400	362.00
loss on Ignition	0-2.5 (%)	0.50 %
Loss on drying	0-2.5 (%)	0.12 %
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	41.10 g/L
Silica content(Based on the product after ignition)	99.8-100 (%)	99.85 %
Trace Metal Analysis	0-2000 (ppm)	435.00 ppm
PH-value in 4% dispersion	3.7-4.5	3.78
Particle size	7-40 (nm)	26.35 nm
Sieve residue (45µm)	0-0.04 (%)	0.02 %
Appearance (S104598)	White flocculent solid	White flocculent solid
ICP: Confirms Silicon Component	Confirmed	Confirmed



John Su
QA & QC Manager