

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-29 14:38:15

Date of Next Testing: 2029-10-28 14:38:15

Product Name: **Nano fumed silica**

CAS Number: 112945-52-5

Specifications & Purity: Hydrophilicity, $\geq 99.8\%$ metals basis, specific surface area(BET):150m²/g;particle size:7-40nm

Lot #: J2516779

SKU #: **S104600**

Version: **1**

Analysis #: **574439**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	50.00000 g/L
Particle size	7-40 (nm)	24.28000 nm
Loss on drying	0-1.5 (%)	1.03000 %
Sieve residue (45µm)	0-0.04 (%)	0.02000 %
Carbon content(2h based on the product after drying 105 °C)	0-0.15 (%)	0.01000 %
loss on Ignition	0-1.5 (%)	1.00000 %
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.98540 %
PH-value in 4% dispersion	3.7-4.5	4.49000
Specific surface area (BET)	135-165	135.16000



John Su
QA & QC Manager