

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-02-07 11:59:41

Date of Next Testing: 2029-02-06 11:59:41

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 #: A2515534

SKU #: **S104598**

Version: **1**

Analysis #: **454097**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.99010 %
Specific surface area (BET)	360-400	386.32000
loss on Ignition	0-2.5 (%)	0.52600 %
Loss on drying	0-2.5 (%)	0.14000 %
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	45.63500 g/L
Silica content(Based on the product after ignition)	99.8-100 (%)	99.92500 %
Trace Metal Analysis	0-2000 (ppm)	99.00000 ppm
PH-value in 4% dispersion	3.7-4.5	4.03600
Particle size	7-40 (nm)	20.92000 nm
Sieve residue (45µm)	0-0.04 (%)	0.00120 %
Appearance (S104598)	White flocculent solid	White flocculent solid
ICP: Confirms Silicon Component	Confirmed	Confirmed



John Su
QA & QC Manager