

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-01-09 13:21:52

Date of Next Testing: 2029-01-08 13:21:52

Product Name: **Nano fumed silica**

CAS Number: 112945-52-5

Specifications & Purity: Hydrophobic, ≥99.8% metals basis, specific surface area(BET):115m2/g;particle size:7-40nm;Deal with PDMS

Lot #: A2503373

SKU #: **S104599**

Version: **1**

Analysis #: **450143**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Particle size	7-40 (nm)	23.12000 nm
PH-value in 4% dispersion(Water:ethanol=1:1)	4.0-7.0	5.35000
Carbon content(2h based on the product after drying 105 °C)	4-7 (%)	5.46500 %
Silica content(Based on the product after ignition)	99.8-100 (%)	99.97820 %
Loss on drying	0-0.7 (%)	0.00000 %
Specific surface area (BET)	80-140 (m2/g)	130.64910 m2/g
Tamped density(2h based on the product after drying 105 °C)	45-70 (g/L)	61.00000 g/L
Appearance (S104599)	White flocculent solid	White flocculent solid
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager