

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-22 18:41:02

Date of Next Testing: 2029-12-21 18:41:02

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 #: L2515184

SKU #: **S104599**

Version: **1**

Analysis #: **611912**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Particle size	7-40 (nm)	24.20000 nm
PH-value in 4% dispersion(Water:ethanol=1:1)	4.0-7.0	6.86000
Carbon content(2h based on the product after drying 105 °C)	4-7 (%)	5.01500 %
Silica content(Based on the product after ignition)	99.8-100 (%)	99.95950 %
Specific surface area (BET)	80-140 (m2/g)	137.47570 m2/g
Loss on drying	0-0.7 (%)	0.68000 %
Tamped density(2h based on the product after drying 105 °C)	45-70 (g/L)	55.00000 g/L
Appearance (S104599)	White flocculent solid	White flocculent solid
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager