

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-11 10:48:51

Date of Next Testing: 2029-09-10 10:48:51

Product Name: **Nano fumed silica**

CAS Number: 112945-52-5

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

Lot #: I2510747

SKU # **S697170**

Version **1**

Analysis #: **542307**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Carbon content(2h based on the product after drying 105 °C)	1-1.7 (%)	1.49600 %
loss on drying(105°C,2 h)	0-0.7 (%)	0.30000 %
pH(4%,Water and ethanol are mixed in a 1:1 ratio)	5-8	6.89000
Silica content(Based on the product after ignition)	99.8-100 (%)	99.96790 %
Specific surface area (BET) spectrum	130-170 (m ² /g)	135.00000 m ² /g
Particle size	7-40 (nm)	39.50000 nm
Tap density(2h based on the product after drying 105 °C)	0-60 (g/L)	50.00000 g/L



John Su
QA & QC Manager