

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-06-12 17:58:09

Date of Next Testing: 2030-06-11 17:58:09

Product Name: **Nano fumed silica**

CAS Number: 112945-52-5

Specifications & Purity: Hydrophobic, $\geq 99.8\%$ metals basis, specific surface area(BET):170m²/g;particle size:7-40nm;Deal with Dimethylsiloxoy

Lot #: F2608652

SKU #: **S104589**

Version: **1**

Analysis #: **725291**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Silica content(Based on the product after ignition)	99.8-100 (%)	99.82990 %
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	40.00000 g/L
loss on Ignition	0-2.5 (%)	0.21000 %
PH-value in 4% dispersion(Water:ethanol=1:1)	3.7-4.5	4.10000
Specific surface area (BET)	150-190	163.00000
Loss on drying	0-0.5 (%)	0.21000 %
Carbon content(2h based on the product after drying 105 °C)	1-1.8 (%)	1.50000 %
Particle size	7-40 (nm)	20.42000 nm
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager