

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-09 14:18:29

Date of Next Testing: 2029-12-08 14:18:29

Product Name: **Nano fumed silica**

CAS Number: 112945-52-5

Specifications & Purity: Hydrophobic, $\geq 99.8\%$ metals basis, specific surface area(BET):260m²/g;particle size:7-40nm;Deal with HMDS

Lot #: K2528390

SKU #: **S104591**

Version: **1**

Analysis #: **611917**

Storage Temperature: Room temperature,Desiccated,Cool

Parameter	Limit Values	Result
PH-value in 4% dispersion(Water:ethanol=1:1)	5.5-8	6.83500
Particle size	7-40 (nm)	19.49000 nm
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	52.63500 g/L
Carbon content(2h based on the product after drying 105 °C)	2.5-4 (%)	3.42800 %
Loss on ignition(1000°C,2 h)	0-4 (wt%)	0.52400 wt%
Loss on drying(105°C, 2 hrs)	0-0.5 (wt%)	0.10800 wt%
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.98040 %
Specific Surface Area	240-280 (m ² /g)	279.50000 m ² /g
Appearance (S104591)	White powder	White powder



John Su
QA & QC Manager