

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-15 10:30:33

Date of Next Testing: 2029-09-14 10:30:33

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 #: I2503554

SKU # **S104591**

Version **1**

Analysis #: **533295**

Storage Temperature: Room temperature,Desiccated,Cool

Parameter	Limit Values	Result
Specific Surface Area	240-280 (m ² /g)	272.44700 m ² /g
PH-value in 4% dispersion(Water:ethanol=1:1)	5.5-8	6.52800
Particle size	7-40 (nm)	18.25000 nm
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	46.83500 g/L
Carbon content(2h based on the product after drying 105 °C)	2.5-4 (%)	2.99600 %
Loss on ignition(1000°C,2 h)	0-4 (wt%)	0.56700 wt%
Loss on drying(105°C, 2 hrs)	0-0.5 (wt%)	0.10500 wt%
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.95990 %
Appearance (S104591)	White powder	White powder



John Su
QA & QC Manager