

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-29 09:09:09

Date of Next Testing: 2028-11-28 09:09:09

Product Name: **Nano fumed silica**

CAS Number: 112945-52-5

Specifications & Purity:  $\geq 99.8\%$  metals basis, specific surface area(BET):260m<sup>2</sup>/g,particle size:7-40nm,Hydrophobic

Lot #: K2422365

SKU #: **S104591**

Version: **1**

Analysis #: **040786**

Parameter	Limit Values	Result
Specific Surface Area	350-410 (m <sup>2</sup> /g)	351.11 m <sup>2</sup> /g
PH-value in 4% dispersion(Water:ethanol=1:1)	5.5-8	5.80
Particle size	7-40 (nm)	12.65 nm
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	45.00 g/L
Carbon content(2h based on the product after drying 105 °C)	2.5-4 (%)	3.02 %
Loss on ignition(1000°C,2 h)	0-4 (wt%)	0.03 wt%
Loss on drying(105°C, 2 hrs)	0-0.5 (wt%)	0.03 wt%
Purity(Based On Trace Metals Analysis)	99.8-100%	99.97 %
Appearance (S104591)	White powder	White powder



John Su  
QA & QC Manager