

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-14 10:14:16

Date of Next Testing: 2028-08-13 10:14:16

Product Name: **Nano fumed silica**

CAS Number: 112945-52-5

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

Lot #: H2409581

SKU #: **S697170**

Version: **1**

Analysis #: **382394**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific surface area (BET) spectrum	130-170 (m ² /g)	130.73460 m ² /g
loss on drying(105°C,2 h)	0-0.7 (%)	0.35000 %
pH(4%,Water and ethanol are mixed in a 1:1 ratio)	5-8	6.21000
Silica content(Based on the product after ignition)	99.8-100 (%)	99.99330 %
Particle size	7-40 (nm)	11.14000 nm
Carbon content(2h based on the product after drying 105 °C)	1-1.7(%) (%)	1.20000 %
Tap density(2h based on the product after drying 105 °C)	0-60 (g/L)	50.00000 g/L



John Su
QA & QC Manager