

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-09-03 11:20:03

Date of Next Testing: 2026-09-02 11:20:03

Product Name: **Nano fumed silica**

CAS Number: 112945-52-5

Specifications & Purity: nanopowder,Hydrophilic,99.8% metals basis,particle size:7-40nm;Specific surface area (BET) : 200m2/g

Lot #: H2231679

SKU #: **S104587**

Version: **0**

**Analysis #:** **117679**

Parameter	Limit Values	Result
loss on Ignition	0-2 (%)	1.39%
Silica content(Based on the product after ignition)	99.8-100 (%)	99.99%
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	52.86 g/L
Loss on drying	0-2 (%)	1.62%
Sieve residue (45µm)	0-0.02 (%)	0.02%
PH-value in 4% dispersion	3.7-4.5	4.49
Specific surface area (BET)	180-220 (%)	200.52 %
Chloride (Cl-)	0-0.0125	0.01
Particle size	7-40 (nm)	13.99 nm
Carbon content(2h based on the product after drying 105 °C)	0-0.15 (%)	0.11%



John Su  
QA & QC Manager