

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-21 11:40:51
Date of Next Testing: 2026-09-20 11:40:51
Product Name: **Nano fumed silica**
CAS Number: 112945-52-5
Specifications & Purity: nanopowder,99.8% metals basis,specific surface area(BET) : 170m2/g;particle size : 7-40nm;Hydrophobic
Lot #: I2214718
SKU # **S104589**
Analysis: **081228**

Parameter	Limit Values	Result
Silica content(Based on the product after ignition)	99.8-100 (%)	99.80 %
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	40.00 g/L
loss on Ignition	0-2.5 (%)	2.00 %
PH-value in 4% dispersion(Water:ethanol=1:1)	3.7-4.5	4.20
Specific surface area (BET)	150-190	164.00
Loss on drying	0-0.5 (%)	0.30 %
Particle size	7-40 (nm)	10.00 nm
Carbon content(2h based on the product after drying 105 °C)	1.0-1.8 (%)	1.50 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager