

ALADDIN SCIENTIFIC CORPORATION
14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-06-08 17:31:41
Date of Next Testing: 2030-06-07 17:31:41
Product Name: **Nano fumed silica**
CAS Number: 112945-52-5
Specifications & Purity: Hydrophilicity, $\geq 99.8\%$ metals basis, specific surface area(BET):380m²/g;particle size:7-40nm
Lot #: F2602380
SKU #: **S104598**
Version: **1**
Analysis #: **704999**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.93740 %
Specific surface area (BET)	360-400	375.00000
loss on Ignition	0-2.5 (%)	1.20000 %
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	45.00000 g/L
Silica content(Based on the product after ignition)	99.8-100 (%)	99.95000 %
Trace Metal Analysis	0-2000 (ppm)	626.00000 ppm
PH-value in 4% dispersion	3.7-4.5	4.02000
Particle size	7-40 (nm)	18.27000 nm
Sieve residue (45µm)	0-0.04 (%)	0.02000 %
Loss on drying	0-2.5 (%)	0.76000 %
Appearance (S104598)	White flocculent solid	White flocculent solid
ICP: Confirms Silicon Component	Confirmed	Confirmed



John Su
QA & QC Manager