

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-18 13:49:45

Date of Next Testing: 2029-06-17 13:49:45

Product Name: **Nano fumed silica**

CAS Number: 112945-52-5

Specifications & Purity: Hydrophilicity, $\geq 99.8\%$ metals basis, specific surface area(BET):300m²/g;particle size:7-40nm

Lot #: F2504566

SKU #: **S104588**

Version: **1**

Analysis #: **488245**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Particle size	7-40 (nm)	23.41000 nm
Specific surface area (BET)	270-330	309.91130
PH-value in 4% dispersion	3.7-4.5	4.48000
Silica content(Based on the product after ignition)	99.8-100 (%)	99.97560 %
Loss on ignition(1000°C,2h,the product after drying 105°C)	$\leq 2(\%)$	1.58000 %
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	46.00000 g/L
Appearance (S104588)	White powder	White powder
ICP: Confirms Silicon Component	Confirmed	Confirmed



John Su
QA & QC Manager