

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-14 10:11:19

Date of Next Testing: 2028-10-13 10:11:19

Product Name: **Silicon dioxide**

CAS Number: 112945-52-5

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

Lot #: I2423638

SKU #: **S104588**

Version: **1**

Analysis #: **203131**

Parameter	Limit Values	Result
Particle size	7-40 (nm)	8.04 nm
Specific surface area (BET)	270-330	296.78
PH-value in 4% dispersion	3.7-4.5	4.03
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	55.00 g/L
Silica content(Based on the product after ignition)	99.8-100 (%)	99.96 %
Loss on ignition(1000°C,2h,the product after drying 105°C)	≤2.0 (%)	1.98 %
Appearance (S104588)	White powder	White powder
ICP: Confirms Silicon Component	Confirmed	Confirmed



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QA & QC Manager