

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-14 15:19:54

Date of Next Testing: 2027-06-13 15:19:54

Product Name: **Silicon dioxide**

CAS Number: 112945-52-5

Specifications & Purity: Vapor-phase silica, hydrophilic, specific surface area: 300 m<sup>2</sup>/g, 99.8% metals basis, particle size: 7-40 nm, loss on ignition: 0-7%

Lot #: F2306610

SKU #: **S579183**

Analysis: **241354**

Parameter	Limit Values	Result
Particle size	7-40 (nm)	12.44 nm
Specific surface area (BET)	270-330	305.00
PH-value in 4% dispersion	3.7-4.5	4.47
Silica content(Based on the product after ignition)	99.8-100 (%)	99.98%
Loss on ignition(1000°C,2h,the product after drying 105°C)	≤7.0 (%)	5.98%
Appearance(S579183)	White powder	White powder
ICP: Confirms Silicon Component	Confirmed	Confirmed



John Su  
QA & QC Manager