

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-31 18:14:34

Date of Next Testing: 2030-03-30 18:14:34

Product Name: **Nano fumed silica**

CAS Number: 112945-52-5

Specifications & Purity: Hydrophobic, ≥99.8% metals basis, specific surface area(BET):260m2/g;particle size:7-40nm;Deal with HMDS

Lot #: C2609442

SKU #: **S104591**

Version: **1**

**Analysis #:** **611917**

Storage Temperature: Room temperature,Desiccated,Cool

| Parameter                                                   | Limit Values   | Result         |
|-------------------------------------------------------------|----------------|----------------|
| PH-value in 4% dispersion(Water:ethanol=1:1)                | 5.5-8          | 6.83500        |
| Particle size                                               | 7-40 (nm)      | 19.49000 nm    |
| Tamped density(2h based on the product after drying 105 °C) | 40-60 (g/L)    | 52.63500 g/L   |
| Carbon content(2h based on the product after drying 105 °C) | 2.5-4 (%)      | 3.42800 %      |
| Loss on ignition(1000°C,2 h)                                | 0-4 (wt%)      | 0.52400 wt%    |
| Loss on drying(105°C, 2 hrs)                                | 0-0.5 (wt%)    | 0.10800 wt%    |
| Purity(Based On Trace Metals Analysis)                      | 99.8-100 (%)   | 99.98040 %     |
| Specific Surface Area                                       | 240-280 (m2/g) | 279.50000 m2/g |
| Appearance (S104591)                                        | White powder   | White powder   |



John Su  
QA & QC Manager