

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-01 10:41:22  
Date of Next Testing: 2027-05-31 10:41:22  
Product Name: **Silica micropowder**  
CAS Number:  
Specifications & Purity: nanopowder, > 99.8% metals basis,200-300nm,sphere  
Lot #: E2324233  
SKU #: **S131647**  
Analysis: **055640**

| Parameter                              | Limit Values                 | Result                  |
|--|------------------------------|-------------------------|
| Purity(Based On Trace Metals Analysis) | 99.8-100 (%)                 | 99.99%                  |
| Loose density                          | 0.1-0.2 (g/cm <sup>3</sup> ) | 0.15 g/cm <sup>3</sup>  |
| Tap density                            | 0.2-0.3 (g/cm <sup>3</sup> ) | 0.26 g/cm <sup>3</sup>  |
| Total Metallic Impuritie               | 0-3000 (ppm)                 | 125.00 ppm              |
| Specific Surface Area                  | 15-25 (m <sup>2</sup> /g)    | 21.00 m <sup>2</sup> /g |
| Average particle size                  | 200-300 (nm)                 | 293.85 nm               |
| Appearance (S131647)                   | White powder                 | White powder            |
| X-Ray Diffraction                      | Conforms to Structure        | Conforms to Structure   |



John Su  
QA & QC Manager