



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-11 11:48:06

Date of Next Testing: 2029-09-10 11:48:06

Product Name: **Aluminum oxide**

CAS Number: 1344-28-1

Specifications & Purity: nanoparticles, < 30 nm particle size, 20 wt. % in isopropanol

Lot #: I2508126

SKU #: **A119403**

Version: **0**

Analysis #: **563583**

Storage Temperature: Room temperature

| Parameter                              | Limit Values          | Result                |
|----------------------------------------|-----------------------|-----------------------|
| Al <sub>2</sub> O <sub>3</sub>         | 19-21 (wt%)           | 20.32000 wt%          |
| Dispersion PH                          | 7.5-9.5               | 7.56000               |
| Particle size                          | 20-30 (nm)            | 30.00000 nm           |
| Purity(Based On Trace Metals Analysis) | 99.99-100 (%)         | 99.99000 %            |
| Total Metallic Impuritie               | 0-200 (ppm)           | 100.00000 ppm         |
| Solvent(Isopropanol)                   | Conform               | Conform               |
| Appearance (A119403)                   | White Suspension      | White Suspension      |
| ICP:Confirms Aluminum Component        | Confirmed             | Confirmed             |
| X-Ray Diffraction                      | Conforms to Structure | Conforms to Structure |

John Su  
QA & QC Manager