

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-05-25 18:51:22

Date of Next Testing: 2030-05-24 18:51:22

Product Name: **Aluminum oxide**

CAS Number: 1344-28-1

Specifications & Purity: AR

Lot #: E2625643

SKU #: **A102002**

Version: **2**

Analysis #: **643579**

Storage Temperature: Room temperature, Desiccated, Cool

| Parameter                                   | Limit Values          | Result                |
|---------------------------------------------|-----------------------|-----------------------|
| Heavy metal (as Pb)                         | 0-0.005 (%)           | 0.00000 %             |
| silicate (as SiO <sub>2</sub> )             | 0-1000 (ppm)          | 0.00000 ppm           |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )     | 0-500 (ppm)           | 19.00000 ppm          |
| Loss on ignition(1000°C, 2 h)               | 0-5 (%)               | 0.00000 %             |
| Chloride (Cl <sup>-</sup> )                 | 0-0.01 (%)            | 0.00130 %             |
| Iron(Fe)                                    | 0-0.01 (%)            | 0.00000 %             |
| Alkali and alkali earth metals              | 0-0.5 (%)             | 0.00200 %             |
| Assay(Al <sub>2</sub> O <sub>3</sub> basis) | 98-100 (%)            | 99.99640 %            |
| Appearance (A102002)                        | White powder          | White powder          |
| X-Ray Diffraction                           | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager