

## Certificate of Analysis

Date of Testing: 2025-03-10 16:10:30

Date of Next Testing: 2029-03-09 16:10:30

Product Name: **Aluminum oxide**

CAS Number: 1344-28-1

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

Lot #: C2504630

SKU #: **A119403**

Version **0**

Analysis #: **474720**

| Parameter                              | Limit Values          | Result                |
|----------------------------------------|-----------------------|-----------------------|
| Al <sub>2</sub> O <sub>3</sub>         | 19-21 (wt%)           | 20.36 wt%             |
| Particle size                          | 20-30 (nm)            | 30.00 nm              |
| Purity(Based On Trace Metals Analysis) | 99.99-100 (%)         | 100.00 %              |
| Total Metallic Impuritie               | 0-200 (ppm)           | 33.00 ppm             |
| Dispersion PH                          | 7.5-9.5               | 7.50                  |
| Appearance (A119403)                   | White Suspension      | White Suspension      |
| Solvent(Isopropanol)                   | Conform               | Conform               |
| X-Ray Diffraction                      | Conforms to Structure | Conforms to Structure |
| ICP:Confirms Aluminum Component        | Confirmed             | Confirmed             |



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