

## Certificate of Analysis

Date of Testing: 2024-12-05 11:52:14  
Date of Next Testing: 2028-12-04 11:52:14  
Product Name: **Aluminum oxide**  
CAS Number: 1344-28-1  
Specifications & Purity: PrimorTrace™, ≥99.99% metals basis, γ-phase, ≤20nm  
Lot #: C2111232  
SKU #: **H102616**  
Version: **0**  
Analysis #: **443548**

| Parameter                                       | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Particle size                                   | 0-20 (nm)             | 13.70 nm              |
| Purity(Based on Trace Metals Impurities of ICP) | 99.99-100 (%)         | 99.99%                |
| Total Metallic Impuritie                        | 0-200 (ppm)           | 90.00 ppm             |
| Appearance (H102616)                            | White powder          | White powder          |
| Crystal Type(γ)                                 | Pass                  | Pass                  |
| X-Ray Diffraction                               | Conforms to Structure | Conforms to Structure |



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QA & QC Manager