

## Certificate of Analysis

Date of Testing: 2024-11-18 17:13:40  
Date of Next Testing: 2028-11-17 17:13:40  
Product Name: **Aluminum oxide**  
CAS Number: 1344-28-1  
Specifications & Purity: PrimorTrace™, ≥99.99% metals basis, nanopowder,γ-phase,20nm  
Lot #: K2414236  
SKU #: **A102091**  
Version: **0**  
Analysis #: **423588**  
Storage Temperature: Room temperature,Desiccated

Parameter	Limit Values	Result
Surface area	120-180 (m <sup>2</sup> /g)	121.00 m <sup>2</sup> /g
Purity(Based On Trace Metals Analysis)	99.99-100 (%)	99.99 %
Particle size	10-30 (nm)	22.17 nm
Trace Metal Analysis	0-200 (ppm)	88.00 ppm
Appearance (A102091)	white powder	White powder
ICP:Confirms Aluminum Component	Confirmed	Confirmed
phase(γ)	γ-phase	γ-phase
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager