

## Certificate of Analysis

Date of Testing: 2022-08-10 18:36:24  
Date of Next Testing: 2026-08-09 18:36:24  
Product Name: **Aluminum oxide**  
CAS Number: 1344-28-1  
Specifications & Purity: Analytical Reagent  
Lot #: H2206866  
SKU #: **A102002**  
**Analysis: 118468**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Assay(Al <sub>2</sub> O <sub>3</sub> basis)	98-100 (%)	99.98 %
Heavy metal (as Pb)	0-0.005 (%)	0.00 %
silicate (as SiO <sub>2</sub> )	0-1000 (ppm)	20.00 ppm
Chloride (Cl <sup>-</sup> )	0-50 (ppm)	36.82 ppm
Alkalis (as Na <sub>2</sub> O)	0-0.2 (%)	0.00 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-500 (ppm)	328.30 ppm
Iron(Fe)	0-300 (ppm)	43.00 ppm
Loss on ignition(1000°C,2 h)	0-5 (%)	0.17 %
Appearance (A102002)	White powder	White powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager