

## Certificate of Analysis

Date of Testing: 2022-09-22 11:36:59  
Date of Next Testing: 2026-09-21 11:36:59  
Product Name: **Aluminum oxide**  
CAS Number: 1344-28-1  
Specifications & Purity: Analytical Reagent  
Lot #: I2214275  
SKU #: **A102002**  
**Analysis:** **121080**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Assay(Al <sub>2</sub> O <sub>3</sub> basis)	98-100 (%)	99.95 %
Heavy metal (as Pb)	0-0.005 (%)	0.00 %
silicate (as SiO <sub>2</sub> )	0-1000 (ppm)	0.00 ppm
Chloride (Cl <sup>-</sup> )	0-50 (ppm)	21.80 ppm
Alkalis (as Na <sub>2</sub> O)	0-0.2 (%)	0.04 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-500 (ppm)	113.00 ppm
Iron(Fe)	0-300 (ppm)	52.00 ppm
Loss on ignition(1000°C,2 h)	0-5 (%)	0.03 %
Appearance (A102002)	White powder	White powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager