

## Certificate of Analysis

Date of Testing: 2025-08-02 16:12:57  
Date of Next Testing: 2029-08-01 16:12:57  
Product Name: **Aluminum oxide**  
CAS Number: 1344-28-1  
Specifications & Purity: AR  
Lot #: G2524169  
SKU #: **A102002**  
Version: **2**  
Analysis #: **535496**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-0.005 (%)	0.00 %
silicate (as SiO <sub>2</sub> )	0-1000 (ppm)	0.00 ppm
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-500 (ppm)	251.00 ppm
Loss on ignition(1000°C,2 h)	0-5 (%)	0.04 %
Iron(Fe)	0-0.01 (%)	0.00 %
Alkali and alkali earth metals	0-0.5 (%)	0.02 %
Chloride (Cl <sup>-</sup> )	0-0.01 (%)	0.01 %
Assay(Al <sub>2</sub> O <sub>3</sub> basis)	98-100 (%)	99.98 %
Appearance (A102002)	White powder	White powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager