

Certificate of Analysis

Date of Testing: 2024-12-16 10:31:07

Date of Next Testing: 2028-12-15 10:31:07

Product Name: **Aluminum oxide**

CAS Number: 1344-28-1

Specifications & Purity: AR

Lot #: L2411690

SKU #: **A102002**

Version: **2**

Analysis #: **442302**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Assay(Al_2O_3 basis)	98-100 (%)	99.98 %
Heavy metal (as Pb)	0-0.005 (%)	0.00 %
silicate (as SiO_2)	0-1000 (ppm)	0.00 ppm
Sulfate(SO_4^{2-})	0-500 (ppm)	138.00 ppm
Loss on ignition(1000°C , 2 h)	0-5 (%)	0.30 %
Chloride (Cl^-)	0-0.01 (%)	0.00 %
Iron(Fe)	0-0.01 (%)	0.00 %
Alkali and alkali earth metals	0-0.5 (%)	0.02 %
Appearance (A102002)	White powder	White powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager