

## Certificate of Analysis

Date of Testing: 2023-02-16 21:06:20  
Date of Next Testing: 2027-02-15 21:06:20  
Product Name: **Aluminum oxide**  
CAS Number: 1344-28-1  
Specifications & Purity: nanopowder,  $\alpha$ -phase, 150nm, 99.9%  
Lot #: B2314226  
SKU #: **A299286**  
**Analysis: 184238**

Parameter	Limit Values	Result
Particle size	100-200 (nm)	179.46 nm
Total Metallic Impuritie	0-2000 (ppm)	763.00 ppm
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.92 %
Appearance (A299286)	White powder	White powder
phase( $\alpha$ )	$\alpha$ -phase	$\alpha$ -phase
surface properties,Hydrophilic	Conforms	Conforms
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager