

## Certificate of Analysis

Date of Testing: 2025-05-20 15:32:48  
Date of Next Testing: 2029-05-19 15:32:48  
Product Name: **Aluminum oxide**  
CAS Number: 1344-28-1  
Specifications & Purity:  $\geq 99.9\%$  metals basis, powder, mixture of  $\alpha$ -phase, 30nm  
Lot #: H2114058  
SKU #: **A299287**  
Version: **0**  
Analysis #: **511487**

Parameter	Limit Values	Result
Average particle size	20-40 (nm)	29.30 nm
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.96 %
Total Metallic Impuritie	0-1000 (ppm)	429.00 ppm
Appearance (A299287)	White powder	White powder
phase( $\alpha$ & $\theta$ )	Conforms	Conforms
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager