

Certificate of Analysis

Date of Testing: 2024-10-31 12:56:56
Date of Next Testing: 2028-10-30 12:56:56
Product Name: **Aluminum oxide**
CAS Number: 1344-28-1
Specifications & Purity: nanoparticles, < 30 nm particle size, 20 wt. % in isopropanol
Lot #: J2425157
SKU #: **A119403**
Version: **0**
Analysis #: **382458**

Parameter	Limit Values	Result
Particle size	20-30 (nm)	30.00 nm
Al ₂ O ₃	19-21 (wt%)	20.30 wt%
Purity(Based On Trace Metals Analysis)	99.99-100 (%)	99.99 %
Total Metallic Impuritie	0-200 (ppm)	100.00 ppm
Dispersion PH	7.5-9.5	8.80
Appearance (A119403)	White Suspension	White Suspension
ICP:Confirms Aluminum Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager