

### Certificate of Analysis

**Product: Aluminum Oxide Powder**  
**Item Number: C1390**  
**Grade: Lab**  
**Lot Number: 250521-2A**  
**Manufacture Date: 12/02/2022**  
**Expiration Date: 12/01/2032**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
AlO3	99.4 - 99.6%	99.5%
TiO2	0.099 - 0.010%	0.0995%
SiO2 (not Free)	≤0.06%	0.05%
Fe2	0.075 - 0.085%	0.08%
MgO	0.015% - 0.025%	0.02%
Alkali (Soda & Potash)	0.29 - 0.31%	0.30%
Crystal form	Rhombohedral Class	Conforms
Chemical Nature	Amphoteric	Conforms
Specific Gravity	3.95 g/cc	Conforms
Bulk density	116 lbs/f3	Conforms
Hardness	KNOPPS - 2000, MOHS = 9	Conforms
Melting point	2,000°C	Conforms
Reaction to acids	Subject to mild attack by HF & Aqua Regia	conforms

#### [Aluminum Oxide Powder](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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