

**Product Name:** Aluminum oxide, Alpha-phase, 99.9% (metals basis), Thermo Scientific Chemicals

**Catalog Number:** 042572.22

**CAS Number:** 1344-28-1

**IUPAC Name:** dialuminium(3+) trioxidandiide

**Molecular Formula:** Al<sub>2</sub>O<sub>3</sub>

**Molecular Weight:** 101.96

**MDL Number:** MFCD00003424

**InChI Key:** PNEYBMLMFCGWSK-UHFFFAOYSA-N

**SMILES:** [O--].[O--].[O--].[Al+3].[Al+3]

**Synonym:** aluminum oxidelaluminium oxide

## Product Specification

**Appearance (Color):** White

**Form:** Powder

**Comment:** Crystal structure: Alpha phase

**Particle Size:** APS, D<sub>50</sub>: typically 0.5-0.7 μm

**Total Metal Impurities:** ≤0.1% (≤1,000ppm)

**Surface Area:** BET specific surface area (SSA): 3-4m<sup>2</sup>/g

**Date Of Print:** 05/15/2024

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*