

Aluminium Oxide Nano Particle



Aluminium oxide (Al_2O_3) nano particles are manufactured with multi-points of quality checks.



APS: <100 nm

AD- Al_2O_3

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PRODUCT FEATURES



Purity: >99%

Advantages

- ▶ High thermal barrier properties as well as Fire Retardancy.
- ▶ Durability, Stiffness, Thermal fatigue resistance, Fracture toughness, Creep resistance and wear resistance.
- ▶ Chemically stable
- ▶ Anti-corrosive
- ▶ Mechanical strength Enhancement
- ▶ Electrical insulating

Applications

In Paints & Coatings

Polymer Nano Composite

Ceramics

Automotive Industries

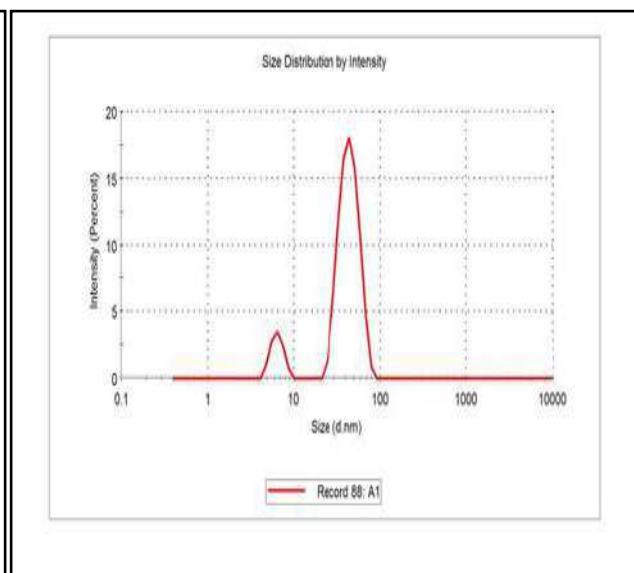
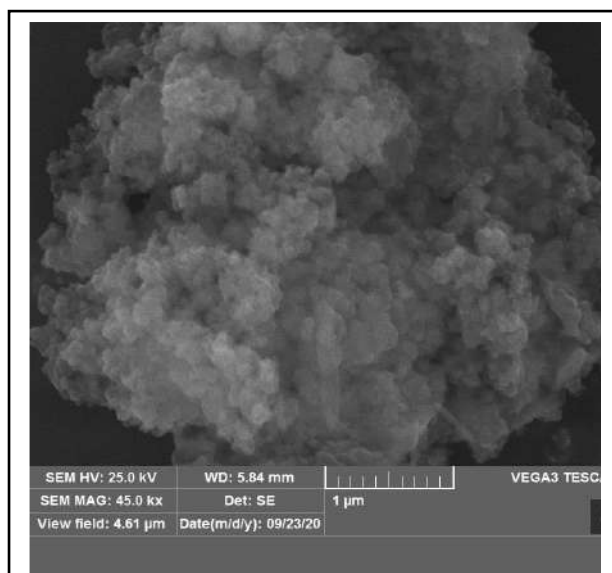
Cosmetic

Oil & Gas

TECHNICAL DATA SHEET

SPECIFICATION

AD-AL ₂ O ₃	DESCRIPTION
PURITY	>99%
AVERAGE PARTICLE SIZE	<100 nm
BULK DENSITY	0.6 g/cm ³
SSA	~110 m ² /g
PHYSICAL FORM	POWDER
MORPHOLOGY OF NANO PARTICLE	NEAR SPHERICAL
COLOUR	WHITE
CAS NO	1344-28-1



DISCLAIMER

The values are typical and are for very general guidance and must not be used as a basis for specifications as concrete. Information contained in this publication, and otherwise supplied to users, is based on our general experience and is given in good faith, but we are unable to accept responsibility in respect of factors which are outside our knowledge or control. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. Please refer to MSDS of respective product for safe use.