

Iron Oxide Nano Particle



Iron oxide (Fe_2O_3) nano particles are manufactured with multi-points of quality checks.



APS: <100 nm

AD- Fe_2O_3

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PRODUCT FEATURES



Purity: 99%

Advantages

- ▶ Biocompatibility
- ▶ Magnetic ability
- ▶ Ability to be functionalized
- ▶ Appropriate solubility and biocompatibility for clinical trials
- ▶ Anti-inflammatories, antibiotics and antifungals. No adverse effects on plant growth.
- ▶ Short reaction time and low energy consumption

Applications

Sensors

Agriculture Industries

Bio medical Application

Coatings

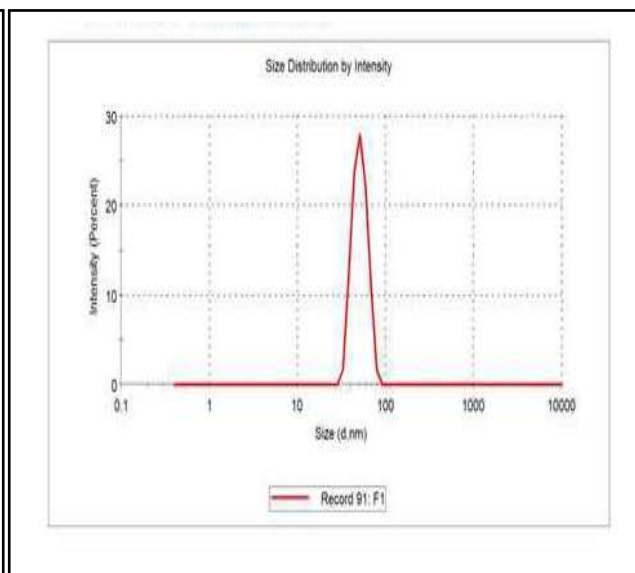
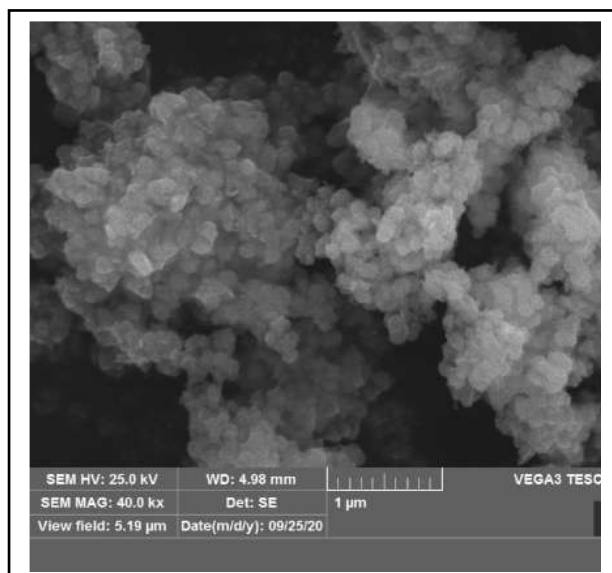
Batteries

Electronics

TECHNICAL DATA SHEET

SPECIFICATION

AD-Fe ₂ O ₃	DESCRIPTION
PURITY	99%
AVERAGE PARTICLE SIZE	<100 nm
PHYSICAL FORM	POWDER
SSA	~80-100 m ² /g
BULK DENSITY	1.3 g/cm ³
CAS NO	1309-37-1
MORPHOLOGY OF NANO PARTICLE	NEAR SPHERICAL
COLOUR	BRICK RED/BROWN



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.