



iron oxide nanopowder

“ α -Fe₂O₃, γ -Fe₂O₃ “

IRAN Unique Tech



PRODUCT IDENTIFICATION

IDENTIFICATION LABEL:

trade name : **iron oxide nanopowder.**

chemical formula: α -Fe₂O₃, γ -Fe₂O₃.

This powder is produced using sonochemical process.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance and color: brown or black powder.

Average particle size : < 40 nanometers.

purity > 99%

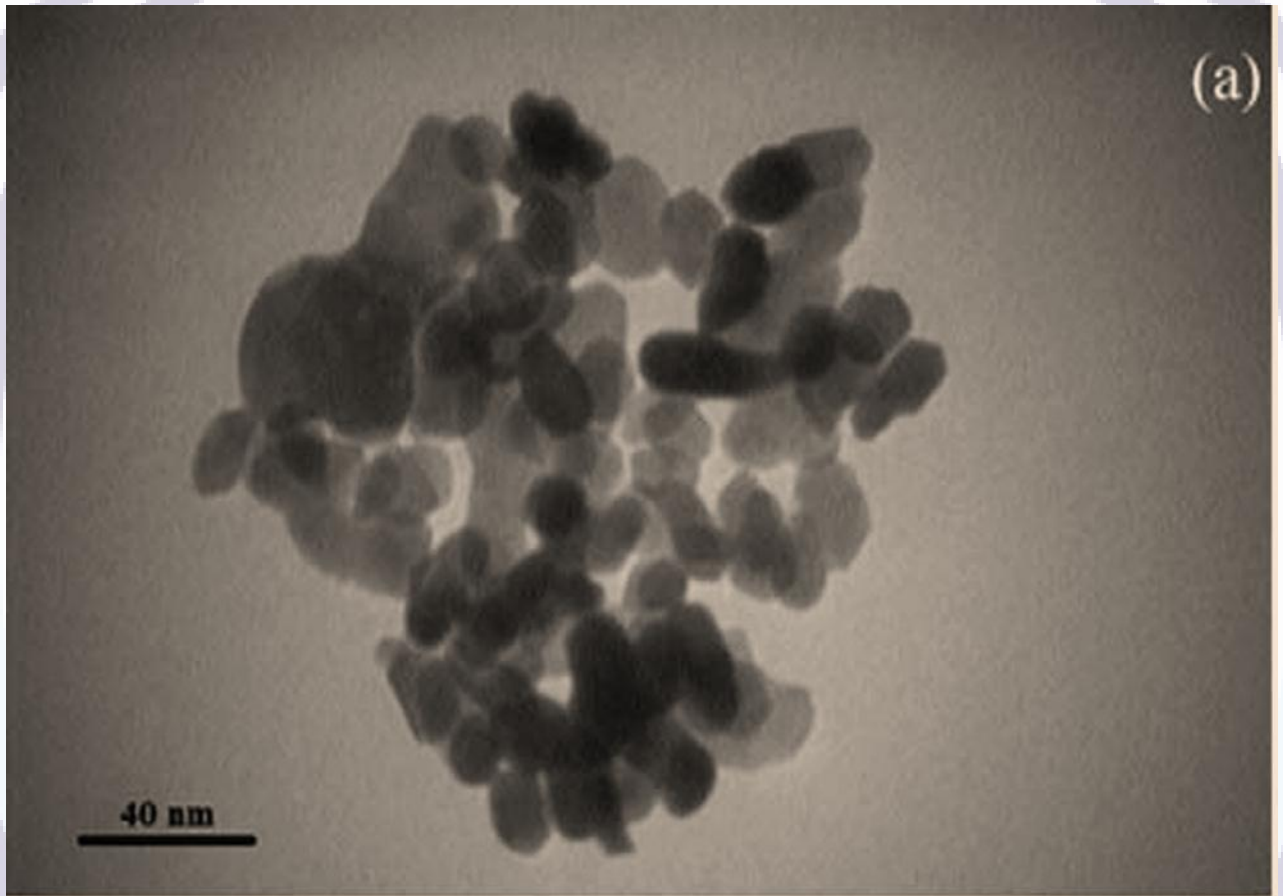
density is 4.8 g/cm³.

BET specific surface area:>60 m²/g .

Melting point 1200°C.

APPLICATION

iron oxides nanoparticles have been used as Magnetic liquids, photocatalysis, diagnostic imaging, drug delivery, electrodes in non aqueous and alkaline batteries , and as cathodes in brine electrolysis , etc.



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