

NS6130-02-236

COBALT ZINC FERRITE Nanoparticles

Quick Facts

Product	:	Cobalt Zinc Ferrite Nanoparticles
Stock No	:	NS6130-02-236
Color	:	Black
Molecular Formula	:	$\text{Zn}_{0.5}\text{Co}_{0.5}\text{Fe}_2\text{O}_4$
Form	:	Powder

Purity
99.9%

Technical Specification

Bulk Density	APS
~0.40 g/cm ³	40nm

Magnetic nanoparticles (MNPs) show tremendous potential in several applications owing to their unique material properties. Physiochemical properties such as the high surface area to volume ratio and feasibility of surface functionalization have made MNPs particularly attractive for biomedical applications. The ability to precisely control the behavior of the material using an externally applied magnetic field has made MNPs a promising nanoagent in biosensors, magnetic separation, targeted drug delivery, MRI and magnetic hyperthermia.

Application

- ✓ Biosensors
- ✓ Magnetic separation
- ✓ Targeted drug delivery
- ✓ MRI & magnetic hyperthermia



$\text{Zn}_{0.5}\text{Co}_{0.5}\text{Fe}_2\text{O}_4$
APS 40nm



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