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**Skyspring nanomaterials**

## Iron Oxide Nanopowder / Nanoparticles ( $\text{Fe}_3\text{O}_4$ , 98%, 20~30nm)

Form: Black powder

Empirical Formula:  $\text{Fe}_3\text{O}_4$

Product Number: 3320DX

### Specifications

Iron Oxide ( $\text{Fe}_3\text{O}_4$ )

Purity: 98+% trace metals basis

Appearance: dark brown nanopowder

APS: 20 - 30 nm

SSA: 40-60  $\text{m}^2/\text{g}$

Morphology: spherical

Bulk density: 0.84  $\text{g}/\text{cm}^3$

True density: 4.8-5.1  $\text{g}/\text{cm}^3$

Contents (Max %)	$\text{Fe}_3\text{O}_4$	>98+
	Ca	0.02
	Cl	0.02
	Cr	0.02
	Mg	0.01
	Mn	0.115
	Na	0.01
	Ni	0.01
	Pb	0.005
	$\text{SiO}_2$	0.2
	$\text{SO}_4^{2-}$	0.1

