



TECHNICAL DATA SHEET

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Product code:	45-02-501
Product name:	Iron oxide particles
Surface:	COOH
Size:	50 nm
Solid content:	10 mg/ml
Composition:	iron oxide particles
Polydispersity index:	< 0.2
Shape:	cluster-typed
Density:	5.35 g/ccm
Iron concentration:	5.5 mg/ml
Magnetization:	60 Am ² /kg iron (H = 80 kA/m)
Saturation magnetization:	>96 Am ² /kg iron (H > 800 kA/m)
Stable in:	aqueous buffers pH > 4
Not stable in:	organic solvents, acidic solutions pH < 4
Product form:	Suspension in water
Particles per ml:	2.9 E13
Particles per mg:	2.9 E12
Colour:	dark brown
Additional remarks:	Storage at room temperature.