



TECHNICAL DATA SHEET

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Product code:	45-00-252
Product name:	Iron oxide particles
Surface:	plain
Size:	250 nm
Solid content:	25 mg/ml
Composition:	iron oxide particles
Polydispersity index:	< 0.2
Shape:	cluster-typed
Density:	5.35 g/ccm
Magnetization:	46 Am ² /kg iron (H = 80 kA/m)
Saturation magnetization:	>71 Am ² /kg iron (H > 800 kA/m)
Coercive field H_c:	0.481 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:	5.7 E11
Particles per mg:	2.3 E10
Colour:	dark brown
Additional remarks:	Storage at room temperature.