



TECHNICAL DATA SHEET

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Product code:	104-55-501
Product name:	synomag®-D
Surface:	PEG-NH ₂
Size:	50 nm
Solid content:	10 mg/ml
Composition:	dextran iron oxide composite particles
Polydispersity index:	< 0.200
Shape:	cluster-typed
Density:	2.5 g/ccm
Iron concentration:	6 mg/ml
Magnetization:	100 Am ² /kg iron (H = 80 kA/m)
Saturation magnetization:	> 110 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:	6.1 E13
Particles per mg:	6.1 E12
Colour:	dark brown
Additional remarks:	Storage at 2 - 8 °C for 6 months.