TECHNICAL DATA SHEET

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Product code:	09-55-132
Product name:	nanomag®-D
Surface:	PEG-NH2
Size:	130 nm
Solid content:	10 mg/ml
Composition:	dextran iron oxide composite particles
Polydispersity index:	< 0.200
Shape:	cluster-typed
Density:	2.5 g/ccm
Magnetization:	53 Am^2/kg iron (H = 80 kA/m)
Saturation magnetization:	>75 Am^2/kg iron (H > 800 kA/m)
Coercive field Hc:	0.444 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:	3.5 E12
Particles per mg:	3.5 E11
Colour:	dark brown
Additional remarks:	Storage at 2 - 8 °C for 6 months.