



TECHNICAL DATA SHEET

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Product code:	05-01-302
Product name:	nanomag@-CLD
Surface:	NH ₂
Size:	300 nm
Solid content:	10 mg/ml
Composition:	cross-linked dextran iron oxide composite particles
Polydispersity index:	< 0.2
Shape:	cluster-typed
Density:	2.5 g/ccm
Magnetization:	47 Am ² /kg iron (H = 80 kA/m)
Saturation magnetization:	>70 Am ² /kg iron (H > 800 kA/m)
Coercive field H_c:	0.451 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:	2.8 E11
Particles per mg:	2.8 E10
Surface charge density:	2 μmol/g
Colour:	dark brown
Additional remarks:	Storage at 2 - 8 °C for 6 months.