



TECHNICAL DATA SHEET

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Product code:	23-00-302
Product name:	nanomag@-CLD-redF
Surface:	plain
Size:	300 nm
Solid content:	5 mg/ml
Composition:	cross-linked dextran iron oxide composite particles
Polydispersity index:	< 0.200
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 PBS buffer (pH = 7.4)
Particles per ml:	1.4 E11
Particles per mg:	2.8 E10
Optical properties:	red fluorescent
Colour:	dark brown
Excitation:	552 nm
Emission:	580 nm
Additional remarks:	Storage at 2 - 8 °C for 6 months.