



TECHNICAL DATA SHEET

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Product code:	102-01-132
Product name:	perimag®
Surface:	NH ₂
Size:	130 nm
Solid content:	10 mg/ml
Composition:	cross-linked dextran iron oxide composite particles
Polydispersity index:	< 0.25
Shape:	cluster-typed
Density:	1.4 g/ccm
Iron concentration:	5 mg/ml
Magnetization:	76 Am ² /kg iron (H = 80 kA/m)
Saturation magnetization:	>87 Am ² /kg iron (H > 800 kA/m)
Coercive field H_c:	0.5 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:	6.3 E12
Particles per mg:	6.2 E11
Surface charge density:	1 µmol/ g iron
Colour:	dark brown
Additional remarks:	Storage at 2 - 8 °C for 6 months.