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 Hc: 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.