TECHNICAL DATA SHEET

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Product code: 125-01-501
Product name: synomag®-CLD-redF
Surface: NH₂
Size: 50 nm
Solid content: 5 mg/ml
Composition: cross-linked dextran iron oxide composite particles
Polydispersity index: < 0.2
Shape: cluster-typed
Density: 2.5 g/ccm
Iron concentration: 6 mg/ml
Magnetization: 100 Am²/kg iron (H = 80 kA/m)
Saturation magnetization: > 110 Am²/kg iron (H > 800 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: 6.1 E13
Particles per mg: 6.1 E12
Optical properties: red fluorescent
Colour: dark brown
Excitation: 552 nm
Emission: 580 nm
Additional remarks: Storage at 2 - 8 °C for 6 months.
TECHNOTES: The particle matrix consists of cross-linked dextran.