TECHNICAL DATA SHEET

micromod Partikeltechnologie GmbH

Product code: 104-00-501
Product name: synomag®-D
Surface: plain
Size: 50 nm
Solid content: 25 mg/ml
Composition: dextran iron oxide composite particles
Polydispersity index: < 0.2
Shape: cluster-typed
Density: 2.5 g/ccm
Iron concentration: 10 mg/ml
Magnetization: 100 Am^2/kg iron (H = 80 kA/m)
Saturation magnetization: > 110 Am^2/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 water
Particles per ml: 1.5 E14
Particles per mg: 6.1 E12
Colour: dark brown
Additional remarks: Storage at 2 - 8 °C for 6 months.