TECHNICAL DATA SHEET

micromod Partikeltechnologie GmbH

Friedrich-Barnewitz-Str. 4
D-18119 Rostock
Germany

Telephone: + 49 381 / 54 34 56 10
Fax: + 49 381 / 54 34 56 20
E-mail address: info@micromod.de

Product code: 104-01-501
Product name: synomag®-D
Surface: NH₂
Size: 50 nm
Solid content: 10 mg/ml
Composition: 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 water
Particles per ml: 6.1 E13
Particles per mg: 6.1 E12
Colour: dark brown
Additional remarks: Storage at 2 - 8 °C for 6 months.