TECHNICAL DATA SHEET

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

Product code: 13-00-252
Product name: nanomag®-silica
Surface: plain
Size: 250 nm
Solid content: 10 mg/ml
Composition: silica-fortified dextran iron oxide composite particles
Polydispersity index: < 0.2
Shape: cluster-typed
Density: 2.5 g/ccm
Magnetization: 52 Am²/kg iron (H = 80 kA/m)
Saturation magnetization: >75 Am²/kg iron (H > 800 kA/m)
Coercive field Hc: 0.704 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: 4.9 E11
Particles per mg: 4.9 E10
Colour: dark brown
Additional remarks: Storage at 2 - 8 °C for 6 months.