TECHNICAL DATA SHEET

micromod Partikeltechnologie GmbH

Product code: 103-02-301
Product name: synomag®
Surface: COOH
Size: 30 nm
Solid content: 10 mg/ml
Composition: iron oxide particles
Polydispersity index: < 0.2
Shape: cluster-typed
Density: 4.8 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: 2.8 E14
Particles per mg: 2.8 E13
Colour: dark brown
Additional remarks: Storage at room temperature