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: 45-02-501
Product name: Iron oxide particles
Surface: COOH
Size: 50 nm
Solid content: 10 mg/ml
Composition: iron oxide particles
Polydispersity index: < 0.2
Shape: cluster-typed
Density: 5.35 g/ccm
Iron concentration: 5.5 mg/ml
Magnetization: 60 Am²/kg iron (H = 80 kA/m)
Saturation magnetization: >96 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: 2.9 E13
Particles per mg: 2.9 E12
Colour: dark brown
Additional remarks: Storage at room temperature.