TECHNICAL DATA SHEET
micromod Partikeltechnologie GmbH

Product code: 10-02-801
Product name: BNF-Starch
Surface: COOH
Size: 80 nm
Solid content: 10 mg/ml
Composition: cross-linked starch iron oxide composite particles
Polydispersity index: < 0.2
Shape: cluster-typed
Density: 3.2 g/ccm
Iron concentration: 5.5 mg/ml
Magnetization: 49 Am^2/kg iron (H = 80 kA/m)
Saturation magnetization: >76 Am^2/kg iron (H > 800 kA/m)
Coercive field Hc: 0.449 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: 1.2 E13
Particles per mg: 1.2 E12
Colour: dark brown
Additional remarks: Storage at 2 - 8 °C for 6 months.
TECHNOTES: The particle matrix consists of hydroxyethyl starch.