TECHNICAL DATA SHEET

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Product code: 10-01-102
Product name: BNF-Starch
Surface: NH₂
Size: 100 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: 6.0 mg/ml
Magnetization: 49 Am²/kg iron (H = 80 kA/m)
Saturation magnetization: >76 Am²/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: 6.0 E12
Particles per mg: 6.0 E11
Colour: dark brown
Additional remarks: Storage at 2 - 8 °C for 6 months.

TECHNOTES: The particle matrix consists of crosslinked hydroxyethyl starch.