TECHNICAL DATA SHEET

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Product code: 10-02-102  
Product name: BNF-Starch  
Surface: COOH  
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 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: 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 hydroxyethyl starch.