TECHNICAL DATA SHEET

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Product code: 45-42-252
Product name: Iron oxide particles
Surface: Au-labeled
Size: 250 nm
Solid content: 25 mg/ml
Composition: iron oxide particles
Polydispersity index: < 0.2
Shape: cluster-typed
Density: 5.35 g/ccm
Magnetization: 46 Am^2/kg iron (H = 80 kA/m)
Saturation magnetization: >71 Am^2/kg iron (H > 800 kA/m)
Coercive field Hc: 0.481 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: 5.7 E11
Particles per mg: 2.3 E10
Colour: dark brown
Additional remarks: Storage at room temperature.