



TECHNICAL DATA SHEET

www.micromod.de
Telephone: + 49 381 / 7999 7000
Fax: + 49 381 / 7999 7070
E-mail address: info@micromod.de

micromod Partikeltechnologie GmbH
Schillingallee 68
D-18057 Rostock
Germany

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|--------------------------------------|---|
| Product code: | 102-02-132 |
| Product name: | perimag® |
| Surface: | COOH |
| Size: | 130 nm |
| Solid content: | 10 mg/ml |
| Composition: | dextran iron oxide composite particles |
| Polydispersity index: | < 0.250 |
| Shape: | cluster-typed |
| Density: | 1.4 g/ccm |
| Iron concentration: | 5 mg/ml |
| Magnetization: | 76 Am ² /kg iron (H = 80 kA/m) |
| Saturation magnetization: | >87 Am ² /kg iron (H > 800 kA/m) |
| Coercive field H_c: | 0.5 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: | 6.3 E12 |
| Particles per mg: | 6.2 E11 |
| Colour: | dark brown |
| Additional remarks: | Storage at 2 - 8 °C for 6 months. |