



TECHNICAL DATA SHEET

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| | |
|--------------------------------------|---|
| Product code: | 05-56-502 |
| Product name: | nanomag@-CLD |
| Surface: | PEG-COOH |
| Size: | 500 nm |
| Solid content: | 10 mg/ml |
| Composition: | cross-linked dextran iron oxide composite particles |
| Polydispersity index: | < 0.2 |
| Shape: | cluster-typed |
| Density: | 2.5 g/ccm |
| Magnetization: | 47 Am ² /kg iron (H = 80 kA/m) |
| Saturation magnetization: | >70 Am ² /kg iron (H > 800 kA/m) |
| Coercive field H_c: | 0.677 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: | 6.1 E10 |
| Particles per mg: | 6.1 E9 |
| Surface charge density: | 1 μmol/g |
| Colour: | dark brown |
| Additional remarks: | Storage at 2 - 8 °C for 6 months. |