



# micromod Partikeltechnologie GmbH

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## Technical Data Sheet

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Product-No.:	<b>05-01-502</b>
Product-Name:	<b>nanomag ®-CLD</b>
Surface:	<b>NH<sub>2</sub></b>
Size:	<b>500 nm</b>
Solid content:	<b>10 mg/ml</b>
Quantity:	<b>10 ml</b>
Composition:	cross-linked dextran iron oxide composite particles
Polydispersity Index:	< 0.2
Shape:	cluster-typed
Density:	2.5 g/ccm
Magnetization:	47 emu/g iron (H =1000 Oe)
Saturation Magnetization:	>70 emu/g iron (H > 10.000 Oe)
Coercive Field H <sub>c</sub> :	0.677 kA/m
Stable in:	aqueous buffers pH > 4
Not stable in:	organic solvents, acidic solutions pH < 4
Product Form:	aqueous suspension
Particles per ml:	6.1*10E10
Particles per mg:	6.1*10E9
Surface Charge Density:	1 µmol/g
Additional Remarks:	Storage at 2 - 8°C for 6 months