

# micromod Partikeltechnologie GmbH

Friedrich-Barnewitz-Str. 4  
D-18119 Rostock  
Germany

fon: +49 381 / 54 34 56 10  
fax: +49 381 / 54 34 56 20  
e-mail: info@micromod.de



## Technical Datasheet

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Product-No.:	<b>09-02-132</b>
Product-Name:	<b>nanomag® -D</b>
surface:	<b>COOH</b>
size:	<b>130 nm</b>
solid content:	<b>10 mg/ml</b>
quantity:	<b>10 ml</b>
Polydispersity index:	< 0.2
Shape:	cluster-typed
Density:	3.0 g/ccm
Magnetization:	43 emu/g particles (H =1000 Oe)
Saturation magnetization:	>67 emu/g particles (H > 10.000 Oe)
Stable in:	aqueous buffers pH > 4
Not stable in:	organic solvents, acidic solutions pH < 4
Product form:	aqueous suspension
Particles per ml:	2.9*10E12
Particles per mg:	2.9*10E11
Charge density:	50 µmol/g
Protein binding capacity:	1.5 µg albumin (BSA) / mg particle (50 - 60 molecules albumin per particle)
Additional remarks:	Storage at 2 - 8°C for 6 months