



# micromod Partikeltechnologie GmbH

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## Technical Data Sheet

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Product-No.:	<b>10-20-801</b>
Product-Name:	<b>BNF-Starch</b>
Surface:	<b>proteinA</b>
Size:	<b>80 nm</b>
Solid content:	<b>10 mg/ml</b>
Quantity:	<b>1 ml</b>
Composition:	cross-linked starch iron oxide composite particles
Polydispersity Index:	< 0.2
Shape:	cluster-typed
Density:	3.2 g/ccm
Magnetization:	49 emu/g iron (H =1000 Oe)
Saturation Magnetization:	>76 emu/g iron (H > 10.000 Oe)
Coercive Field Hc:	0.449 kA/m
Stable in:	aqueous buffers pH > 4
Not stable in:	organic solvents, acidic solutions pH < 4
Product Form:	suspension in PBS buffer (pH = 7.4), stabilized in 0.02 % sodium azide
Particles per ml:	1.2*10E13
Particles per mg:	1.2*10E12
Protein Binding Capacity:	1.5 - 2.0 µg protein A / mg particle
Additional Remarks:	The particle matrix consists of crosslinked hydroxyethyl starch. Storage at 2 - 8°C for 6 months