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Technical Datasheet

Product-No.:	13-02-252
Product-Name:	nanomag® -silica
surface:	COOH
size:	250 nm
solid content:	10 mg/ml
quantity:	10 ml
Polydispersity index:	< 0.2
Shape:	cluster-typed
Density:	2.5 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:	4.9*10E11
Particles per mg:	4.9*10E10
Charge density:	50 µmol/g
Additional remarks:	Storage at 2 - 8°C for 6 months