

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

Product-No.:	45-00-252
Product-Name:	Iron oxide particles
surface:	plain
size:	250 nm
solid content:	25 mg/ml
quantity:	10 ml
Composition:	iron oxide particles
Polydispersity index:	< 0.1
Shape:	cluster-typed
Density:	5.35 g/ccm
Magnetization:	46 emu/g particles (H =1000 Oe)
Saturation magnetization:	>71 emu/g iron (H > 10.000 Oe)
Coercive field Hc:	0.481 kA/m
Stable in:	aqueous buffers pH > 4
Not stable in:	organic solvents, acidic solutions pH < 4
Product form:	aqueous suspension
Particles per ml:	5.7*10E11
Particles per mg:	2.3*10E10
Additional remarks:	Storage at room temperature.