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Technical Datasheet

Product-No.:	59-02-603
Product-Name:	sicastar® -M -CT
surface:	COOH
size:	6 µm
solid content:	50 mg/ml
quantity:	10 ml
Composition:	magnetic silica particles
Cluster size:	3 - 10 µm with a mean diameter of 6 µm
Shape:	cluster-typed
Density:	2.5 g/ccm
Magnetization:	6.0 emu/g particles (H =1000 Oe)
Saturation magnetization:	> 9.0 emu/g particles (H > 10.000 Oe)
Stable in:	aqueous buffers pH > 3, organic solvents
Not stable in:	hydrofluoric acid, strong basic media, e.g. 6 M NaOH
Product form:	aqueous suspension
Surface charge density:	1.5 µmol/g
Protein binding capacity:	1.4 - 1.6 µg albumin (BSA) / mg particle
Additional remarks:	Storage at room temperature.