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Technical Datasheet

Product-No.:	43-02-501
Product-Name:	sicastar®
surface:	COOH
size:	50 nm
solid content:	25 mg/ml
quantity:	10 ml
Composition:	amorphous silica particles
Polydispersity index:	< 0.2
Shape:	spherical
Density:	2.0 g/ccm
Porosity:	nonporous
Stable in:	aqueous buffers, organic solvents
Not stable in:	hydrofluoric acid, strong basic media, e.g. 6 M NaOH
Product form:	aqueous suspension
Particles per ml:	1.9*10E14
Particles per mg:	7.6*10E12
Surface charge density:	1 µmol/g
Protein binding capacity:	10 - 20 ng albumin (BSA) / mg particle
Additional remarks:	Storage at room temperature. Do not freeze!