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Technical Datasheet

Product-No.:	43-02-104
Product-Name:	sicastar®
surface:	COOH
size:	10 µm
solid content:	50 mg/ml
quantity:	10 ml
Composition:	amorphous silica particles
Standard deviation:	< 2.5 µm
Shape:	spherical with irregularities
Density:	1.8 g/ccm
Porosity:	porous
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:	5.3*10E7
Particles per mg:	1.1*10E6
Surface charge density:	4 µmol/g
Protein binding capacity:	200 ng albumin (BSA) / mg particle (67 ng BSA / cm ²)
Additional remarks:	Storage at room temperature.