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Technical Datasheet

Product-No.:	43-21-303
Product-Name:	sicastar®
surface:	albumin (BSA)
size:	3 µm
solid content:	25 mg/ml
quantity:	10 ml
Composition:	amorphous silica particles
Standard deviation:	< 0.85 µm
Shape:	spherical with irregularities
Density:	1.8 g/ccm
Porosity:	porous
Stable in:	aqueous buffers
Not stable in:	hydrofluoric acid, strong basic media, e.g. 6 M NaOH
Product form:	suspension in PBS buffer (pH = 7.4), stabilized in 0.02 % sodium azide
Particles per ml:	1.0*10E9
Particles per mg:	3.9*10E7
Protein binding capacity:	700 ng albumin (BSA) / mg particle (70 ng BSA / cm ²)
Additional remarks:	Storage at 2 - 8°C for 3 months