

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.:	43-02-103
Product-Name:	sicastar®
surface:	COOH
size:	1 µm
solid content:	50 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:	4.8*10E10
Particles per mg:	9.5*10E8
Surface charge density:	2 µmol/g
Protein binding capacity:	2 µg albumin (BSA) / mg particle
Additional remarks:	Storage at room temperature.