

# 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.:	<b>43-20-303</b>
Product-Name:	<b>sicastar®</b>
surface:	<b>proteinA</b>
size:	<b>3 µm</b>
solid content:	<b>25 mg/ml</b>
quantity:	<b>1 ml</b>
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 protein A / mg particle (70 ng protein A / cm <sup>2</sup> )
Additional remarks:	Storage at 2 - 8°C for 3 months