

# micromod Partikeltechnologie GmbH

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## Technical Datasheet

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Product-No.:	<b>43-20-204</b>
Product-Name:	<b>sicastar®</b>
surface:	<b>proteinA</b>
size:	<b>20 µm</b>
solid content:	<b>25 mg/ml</b>
quantity:	<b>1 ml</b>
Composition:	amorphous silica particles
Standard deviation:	< 11.5 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:	3.3*10E6
Particles per mg:	1.3*10E5
Protein binding capacity:	540 ng protein A / mg particle (357 ng protein A / cm <sup>2</sup> )
Additional remarks:	Storage at 2 - 8°C for 3 months