

# micromod Partikeltechnologie GmbH

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## Technical Datasheet

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Product-No.:	<b>43-02-701</b>
Product-Name:	<b>sicastar®</b>
surface:	<b>COOH</b>
size:	<b>70 nm</b>
solid content:	<b>25 mg/ml</b>
quantity:	<b>10 ml</b>
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:	7.0*10E13
Particles per mg:	2.8*10E12
Surface charge density:	1 µmol/g
Protein binding capacity:	10 - 20 ng albumin (BSA) / mg particle
Additional remarks:	Storage at room temperature. Do not freeze!