

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.: | 43-02-102 |
| Product-Name: | sicastar® |
| surface: | COOH |
| size: | 100 nm |
| solid content: | 25 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: | 2.4*10E13 |
| Particles per mg: | 9.5*10E11 |
| 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! |