

# micromod Partikeltechnologie GmbH

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## Technical Datasheet

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|                         |  |
|-------------------------|--|
| Product-No.:            | <b>41-02-303</b>                                     |
| Product-Name:           | <b>sicastar® -blueF</b>                              |
| surface:                | <b>COOH</b>  |
| size:                   | <b>3 µm</b>  |
| solid content:          | <b>50 mg/ml</b>                                      |
| quantity:               | <b>10 ml</b>   |
| Composition:            | blue fluorescent silica particles                    |
| Standard deviation:     | < 0.85 µm  |
| Shape:                  | spherical with irregularities                        |
| Density:                | 1.8 g/ccm  |
| Porosity:               | porous   |
| 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:       | 2.0*10E9   |
| Particles per mg:       | 3.9*10E7   |
| Surface charge density: | 3 µmol/g   |
| Optical properties:     | blue fluorescent                                     |
| Colour:                 | colourless   |
| Excitation:             | 354 nm   |
| Emission:               | 450 nm   |
| Additional remarks:     | Protect from light. Storage at room temperature.     |