

# 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>41-02-104</b>
Product-Name:	<b>sicastar® -blueF</b>
surface:	<b>COOH</b>
size:	<b>10 µm</b>
solid content:	<b>50 mg/ml</b>
quantity:	<b>10 ml</b>
Composition:	blue fluorescent silica particles
Standard deviation:	< 2.5 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:	5.3*10E7
Particles per mg:	1.1*10E6
Surface charge density:	4 µmol/g
Optical properties:	blue fluorescent
Colour:	colourless
Excitation:	354 nm
Emission:	450 nm
Additional remarks:	Protect from light. Storage at room temperature.