TECHNICAL DATA SHEET

micromod Partikeltechnologie GmbH

Friedrich-Barnewitz-Str. 4
D-18119 Rostock
Germany

Telephone: + 49 381 / 54 34 56 10
Fax: + 49 381 / 54 34 56 20
E-mail address: info@micromod.de

Product code: 41-01-154
Product name: sicastar®-blueF
Surface: \( \text{NH}_2 \)
Size: 15 \( \mu \text{m} \)
Solid content: 50 mg/ml
Composition: blue fluorescent silica particles
Standard deviation: < 5.3 \( \mu \text{m} \)
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: Suspension in water
Particles per ml: 1.6 E7
Particles per mg: 3.1 E5
Surface charge density: 4 \( \mu \text{mol/g} \)
Optical properties: blue fluorescent
Colour: colourless
Excitation: 354 nm
Emission: 450 nm
Additional remarks: Protect from light. Storage at room temperature.