TECHNICAL DATA SHEET

micromod Partikeltechnologie GmbH

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

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

---

Product code: 40-00-102
Product name: sicastar®-redF
Surface: plain
Size: 100 nm
Solid content: 50 mg/ml
Composition: red fluorescent 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: Suspension in water
Particles per ml: 4.8 E13
Particles per mg: 9.5 E11
Optical properties: red fluorescent
Colour: pink
Excitation: 569 nm
Emission: 585 nm
Additional remarks: Storage at room temperature. Do not freeze!