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: 40-01-503
Product name: sicastar®-redF
Surface: NH₂
Size: 5 µm
Solid content: 50 mg/ml
Composition: red fluorescent silica particles
Standard deviation: < 1.5 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: Suspension in water
Particles per ml: 4.2 E8
Particles per mg: 8.5 E6
Surface charge density: 4 µmol/g
Optical properties: red fluorescent
Colour: pink
Excitation: 569 nm
Emission: 585 nm
Additional remarks: Storage at room temperature.