TECHNICAL DATA SHEET

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Product code: 40-01-102
Product name: sicastar®-redF
Surface: NH₂
Size: 100 nm
Solid content: 25 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: 2.4 E13
Particles per mg: 9.5 E11
Surface charge density: 1 µmol/g
Optical properties: red fluorescent
Colour: pink
Excitation: 569 nm
Emission: 585 nm
Additional remarks: Storage at room temperature. Do not freeze!