**TECHNICAL DATA SHEET**

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Product code: 40-02-502
Product name: sicastar®-redF
Surface: COOH
Size: 500 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: 3.8 E11
Particles per mg: 7.6 E9
Surface charge density: 2 µmol/g
Optical properties: red fluorescent
Colour: pink
Excitation: 569 nm
Emission: 585 nm
Additional remarks: Storage at room temperature.