**TECHNICAL DATA SHEET**

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Product code: 40-17-102  
Product name: sicastar®-redF  
Surface: TMS  
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 ethanol  
Particles per ml: 2.4 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.  
TECHNOTES: Ultrasound treatment is recommended for suspension in ethanol.