TECHNICAL DATA SHEET

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Product code: 42-01-204
Product name: sicastar®-greenF
Surface: NH\textsubscript{2}
Size: 20 µm
Solid content: 50 mg/ml
Composition: green fluorescent silica particles
Standard deviation: < 11.5 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: 6.6 E6
Particles per mg: 1.3 E5
Surface charge density: 4 µmol/g
Optical properties: green fluorescent
Colour: yellow
Excitation: 485 nm
Emission: 510 nm
Additional remarks: Storage at room temperature.