TECHNICAL DATA SHEET

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Product code: 42-01-103
Product name: sicastar®-greenF
Surface: NH$_2$
Size: 1 µm
Solid content: 50 mg/ml
Composition: green 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: 4.8 E10
Particles per mg: 9.5 E8
Surface charge density: 2 µmol/g
Optical properties: green fluorescent
Colour: yellow
Excitation: 485 nm
Emission: 510 nm
Additional remarks: Storage at room temperature.