TECHNICAL DATA SHEET

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Product code: 41-01-503
Product name: sicastar®-blueF
Surface: NH₂
Size: 5 µm
Solid content: 50 mg/ml
Composition: blue fluorescent silica particles
Standard deviation: < 1.5 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: 4.2 E8
Particles per mg: 8.5 E6
Surface charge density: 4 µmol/g
Optical properties: blue fluorescent
Colour: colourless
Excitation: 354 nm
Emission: 450 nm
Additional remarks: Protect from light. Storage at room temperature.