



TECHNICAL DATA SHEET

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|----------------------------|------------------------------------------------------|
| Product code: | 42-01-104 |
| Product name: | sicastar®-greenF |
| Surface: | NH ₂ |
| Size: | 10 µm |
| Solid content: | 50 mg/ml |
| Composition: | green fluorescent silica particles |
| Standard deviation: | < 2.5 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: | 5.3 E7 |
| Particles per mg: | 1.1 E6 |
| Optical properties: | green fluorescent |
| Colour: | yellow |
| Excitation: | 485 nm |
| Emission: | 510 nm |
| Additional remarks: | Storage at room temperature. |