



## TECHNICAL DATA SHEET

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<b>Product code:</b>	41-01-502
<b>Product name:</b>	sicastar®-blueF
<b>Surface:</b>	NH <sub>2</sub>
<b>Size:</b>	500 nm
<b>Solid content:</b>	50 mg/ml
<b>Composition:</b>	blue fluorescent silica particles
<b>Polydispersity index:</b>	< 0.200
<b>Shape:</b>	spherical
<b>Density:</b>	2.0 g/ccm
<b>Porosity:</b>	nonporous
<b>Stable in:</b>	aqueous buffers, organic solvents
<b>Not stable in:</b>	hydrofluoric acid, strong basic media, e.g. 6 M NaOH
<b>Product form:</b>	Suspension in water
<b>Particles per ml:</b>	3.8 E11
<b>Particles per mg:</b>	7.6 E9
<b>Optical properties:</b>	blue fluorescent
<b>Colour:</b>	colourless
<b>Excitation:</b>	354 nm
<b>Emission:</b>	450 nm
<b>Additional remarks:</b>	Protect from light. Storage at room temperature.