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Technical Datasheet

Product-No.:	41-01-503
Product-Name:	sicastar® -blueF
surface:	NH2
size:	5 µm
solid content:	50 mg/ml
quantity:	10 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:	aqueous suspension
Particles per ml:	4.2*10E8
Particles per mg:	8.5*10E6
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.