

Micro-sized Silica Size Standards

(Thermo Fisher Scientific, prev. Duke Scientific)

Spherical, monodisperse, silica particles with certificate traceable to NIST

Catalog Number	Nom. Diameter	Current Diameter	Rel. Standard Deviation (CV)	Content of Particles	Price 15ml
8050	0.5 µm	0.49 µm ± 0.02µm	4.1%	2%	340 €
8070	0.7 µm	0.73 µm ± 0.02µm	4.1%	2%	340 €
8100 ¹⁾	1.0 µm	0.99 µm ± 0.02µm	2.0%	2%	340 €
8150 ¹⁾	1.6 µm	1.57 µm ± 0.02µm	2.5%	2%	340 €

¹⁾ Determined by Optical Microscopy.; all other Particle Diameters had been determined by Transmission Electron Microscopy (TEM). The data listed as "Current Diameter" and "Standard Deviation" are numbers for better orientation; they will change slightly if a new lot will be manufactured. Therefore these data are not guaranteed !

- These monodisperse silica particle standards do have a higher density (2.0 g/mL) than polystyrene particles (Latex) and show a higher optical contrast than these.
- These particle size standards are traceable to NIST (*National Inst. of Standards and Technology*) and will be shipped with an English certificate of the manufacturer.
- The silica particle standards will be shipped in ultra pure water without any surfactant bottled in 15mL dropper-tipped bottles.

Silica - Size Standards

(microParticles)

Spherical, monodisperse, silica particles without certificate

Catalog Number	Nom. Diameter	Current Diameter ¹⁾	Rel. Standard Deviation ¹⁾ (CV)	Content of Particles	Price 10ml	Price 15ml
SiO2-F-0.25-84	0.25 µm	0.255 µm	5.5%	5%	142 €	179 €
SiO2-F-0.35-31	0.35 µm	0.353 µm	4.3%			
SiO2-F-0.4-32	0.40 µm	0.387 µm	0.03			
SiO2-F-0.5-72	0.50 µm	0.500 µm	2.6%			
SiO2-F-0.75-46	0.75 µm	0.755 µm	3.3%			
SiO2-F-0.8-02	0.80 µm	0.798 µm	3.4%			
SiO ₂ -F-1.0-02	1.00 µm	0.977 µm	2.7%	5%	160 €	202 €
SiO2-F-1.5-80	1.5 µm	1.55 µm	2.3%			
SiO2-F-2.0-61	2.0 µm	2.06 µm	2.2%			
SiO2-F-3.0-96	3.0 µm	2.80 µm	2.2%	5%	175 €	220 €
SiO2-F-4.0-90	4.0 µm	3.92 µm	4.8%			
SiO2-F-4.5-76	4.5 µm	4.62 µm	4.3%			
SiO2-F-5.0-59	5.0 µm	5.04 µm	3.9%			
SiO2-F-6.5-01	6.5 µm	6.65 µm	4.2%	5%	190 €	236 €
SiO2-F-14.0-19	14 µm	13.79 µm	4.3%	5%	250 €	305 €
SiO2-F-15.0-19	15 µm	15.29 µm	3.2%			
SiO2-F-19.5-19	19.5 µm	19.59 µm	3.8%			
SiO2-F-22.0-19	22 µm	21.18 µm	4.0%			

¹⁾ Determined by analytical disc centrifuge respectively Coulter Counter™. The data listed as "Current Diameter" and "Standard Deviation" are numbers for better orientation; they will change slightly if a new lot will be manufactured. Therefore these data are not guaranteed !

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Delivery Time: Appr. 14 days. In case of a purchase order we always shipping return an order confirmation by email/fax which also contains our shipping date.

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