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**Nanospheres™**  
Brand name of Thermo Fisher Scientific

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## Nano-sized Particle Size Standards (Thermo Fisher Scientific, prev. Duke Scientific) Monodisperse, spherical polystyrene particles in aqueous suspension (Latex)

Catalog Number	Nom. Diameter	Current Diameter	Rel. Standard Deviation (CV)	Content of Particles
3020A	20 nm <sup>1)</sup>	23 nm ± 2 nm	Not determined	1%
3030A	30 nm	33 nm ± 1.4 nm	Not determined	1%
3040A	40 nm	41 nm ± 4 nm	Not determined	1%
3050A	50 nm	46 nm ± 2 nm	15.8%	1%
3060A	60 nm	57 nm ± 4 nm	19.1%	1%
3070A	70 nm	70 nm ± 3 nm	10.4%	1%
3080A	80 nm	81 nm ± 3 nm	11.7%	1%
3090A	90 nm	92 nm ± 3 nm	7.6%	1%
3100A	100 nm	100 nm ± 3 nm	7.8%	1%
3125A	125 nm	125 nm ± 4 nm	4.3%	1%
3150A	150 nm	151 nm ± 4 nm	3.4%	1%
3200A	200 nm	203 nm ± 5 nm	2.3%	1%
3220A	220 nm	220 nm ± 6 nm	2.1%	1%
3240A	240 nm	240 nm ± 6 nm	1.5%	1%
3269A	270 nm	269 nm ± 6 nm	1.6%	1%
3300A	300 nm	296 nm ± 6 nm	1.8%	1%
3350A	350 nm	350 nm ± 7 nm	1.3%	1%
3400A	400 nm	400 nm ± 5 nm	1.8%	1%
3450A	450 nm	453 nm ± 4 nm	1.4%	1%
3495A	500 nm	491 nm ± 4 nm	1.3%	1%
3500A	500 nm	498 nm ± 5 nm	1.6%	1%
3560A	560 nm	565 nm ± 6 nm	1.5%	1%
3600A	600 nm	596 nm ± 6 nm	1.3%	1%
3700A	700 nm	702 nm ± 6 nm	0.7%	1%
3800A	800 nm	799 nm ± 9 nm	1.0%	1%
3900A	900 nm	903 nm ± 9 nm	1.0%	1%

Diameters had been determined by Transmission Electron Microscopy (TEM) <sup>1)</sup> Determined by Photon Correlation Spectroscopy (PCS). 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 nano-sized particle size standards are mainly designed to calibrate particle sizing and particle counting systems but can also be used for other purposes.
- All particle size standards are traceable to NIST (*National Inst. of Standards and Technology*) and will be shipped with an English certificate of the manufacturer.
- Alle size standards will be supplied as stabilized aqueous suspensions in 15mL dropper-tipped bottles.
- **Price: 395.- Euro / 15 mL**

**Ordering:** Please order by giving us your invoice address **and** your shipping address either via email: [support@bs-partikel.de](mailto:support@bs-partikel.de) or via fax: +49/611/97-218-44

**Delivery Time:** Appr. 14 days. In case of an order we always return an order confirmation by email or fax which contains the shipping date.

**Questions?** Please contact us via email: [support@bs-partikel.de](mailto:support@bs-partikel.de)