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Microspheres

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Micro-sized Particle Size Standards (Thermo Fisher Scientific, prev. Duke Scientific)

Spherical polystyrene particles as suspensions (Latex), above 160µm as powder

Catalog Number	Nom. Diameter	Current Diameter	Rel. Standard Deviation (CV)	Content of Particles
4009A	1.0 µm	0.994 µm ± 0.021 µm	1.0%	1.0%
4010A	1.0 µm	1.019 µm ± 0.015 µm	1.0%	1.0%
4011A	1.1 µm	1.101 µm ± 0.023 µm	1.1%	1.0%
4013A	1.3 µm	1.361 µm ± 0.024 µm	1.5%	1.0%
4016A	1.6 µm	1.587 µm ± 0.025 µm	1.3%	1.0%
4018A	1.8 µm	1.745 µm ± 0.025 µm	1.1%	1.0%
4202A	2.0 µm	2.020 µm ± 0.015 µm	1.0%	0.5%
4025A	2.5 µm	2.504 µm ± 0.025 µm	1.0%	0.5%
4203A	3.0 µm	3.005 µm ± 0.027 µm	1.1%	0.5%
4204A	4.0 µm	4.000 µm ± 0.033 µm	1.0%	0.4%
4205A	5.0 µm	4.993 µm ± 0.040 µm	1.0%	0.3%
4206A	6.0 µm	5.990 µm ± 0.045 µm	1.2%	0.3%
4207A	7.0 µm	7.028 µm ± 0.055 µm	1.0%	0.3%
4208A	8.0 µm	7.979 µm ± 0.055 µm	1.1%	0.3%
4209A	9.0 µm	8.956 µm ± 0.056 µm	1.0%	0.3%
4210A	10 µm	10.12 µm ± 0.06 µm	0.9%	0.2%
4212A	12 µm	12.01 µm ± 0.07 µm	1.0%	0.2%
4215A	15 µm	14.97 µm ± 0.10 µm	0.9%	0.3%
4220A	20 µm	20.00 µm ± 0.10 µm	1.0%	0.3%
4225A	25 µm	24.61 µm ± 0.22 µm	1.1%	0.5%
4230A	30 µm	30.10 µm ± 0.22 µm	1.5%	0.6%
4240A	40 µm	39.94 µm ± 0.35 µm	1.3%	0.7%
4250A	50 µm	50.2 µm ± 1.0 µm	1.0%	1.4%
4260A	60 µm	58.6 µm ± 0.8 µm	1.4%	1.1%
4270A	70 µm	72.3 µm ± 0.9 µm	1.2%	2.0%
4280A	80 µm	79.8 µm ± 1.2 µm	1.1%	1.8%
4310A	100 µm	100 µm ± 1.5 µm	1.6%	2.2%
4311A	115 µm	113 µm ± 1.6 µm	1.4%	2.6%
4314A	140 µm	138 µm ± 2.8 µm	2.0%	4.1%
4316A	160 µm	158 µm ± 2.2 µm	2.2%	4.8%
4320A	200 µm (Powder)	198 µm ± 3.3 µm	3.2%	2.3 x 10 ⁵ Part./g
4324A	240 µm (Powder)	233 µm ± 4.0 µm	4.5%	1.4 x 10 ⁵ Part./g
4328A	280 µm (Powder)	279 µm ± 5.6 µm	4.8%	8.3 x 10 ⁴ Part./g
4330A	300 µm (Powder)	300 µm ± 6.0 µm	4.0%	6.7 x 10 ⁴ Part./g
4340A	400 µm (Powder)	398 µm ± 8.0 µm	3.4%	2.9 x 10 ⁴ Part./g
4350A	500 µm (Powder)	494 µm ± 10 µm	5.1%	1.5 x 10 ⁴ Part./g
4355A	550 µm (Powder)	552 µm ± 11 µm	4.9%	1.1 x 10 ⁴ Part./g
4365A	650 µm (Powder)	644 µm ± 13 µm	3.9%	6.8 x 10 ³ Part./g
4375A	750 µm (Powder)	773 µm ± 15 µm	4.3%	3.9 x 10 ³ Part./g
4400A	1000 µm (Powder)	1007 µm ± 20 µm	4.8%	1.8 x 10 ³ Part./g

All Particle Diameters had been determined by Optical Microscopy. 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 !

- All particle size standards are suitable for size calibration, traceable to NIST (*National Inst. of Standards and Technology*) and will be shipped with an English certificate of the manufacturer.
- Price: 495.- Euro / 15 mL suspension (<200µm); 495.- Euro / 1g powder (≥ 200µm)

Ordering: Please order by giving us your invoice address **and** your shipping address either via email: support@bs-partikel.de

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