



BEADS • ABOVE THE REST



NIST Traceable Particle Size Standards provide statistically meaningful sampling and more consistent results.

NIST Traceable Particle Size Standards

Available from 40nm to 175µm, NIST Traceable Particle Size Standards are provided with a Certificate of Traceability certifying that NIST Standard Reference Materials 1690, 1692, and 1961 were used to validate the accuracy and traceability of the calibration methods used to transfer the calibrated mean diameter dimension of this product.

The most critical aspect of microparticle sizing is the use of microparticle size standards. National Institute of Standards and Technology (NIST) Traceable Particle Size Standards provide the accurate and traceable size calibration tools needed for particle size analysis. These standards are a series of particles with calibrated mean diameters from 40nm to 175µm traceable to NIST Standard Reference Material. It is the *mean diameter* which is certified and traceable to NIST, with further lot specific data provided for your information. These particles are supplied as a 10% solids aqueous suspension in dropper-tipped bottles.

Our methods for determining particle size allow statistically meaningful sampling with little user bias. The number of particles measured per sample is greater than 100,000. Repeated measures on the same sample give consistent results. Our measurement techniques are made with instruments calibrated and validated with NIST Standard Reference Material.

We employ manufacturing methods to reduce the impact of outlying peaks often found in 'monodisperse' standards, enabling us to produce calibration grade particle size standards with a narrower CV than many other standards.

<i>Competitor Reported MD</i>	<i>Our Results</i>
50 +/- 2.0nm	49.9nm
260 +/- 7.0nm	265.8nm
895 +/- 8.0nm	889.0nm
2.013 +/- 0.025µm	2.025µm
4.996 +/- 0.035µm	4.9918µm
20.00 +/- 0.10µm	20.10µm
49.8 +/- 0.8µm	49.20µm
102.0 +/- 1.4µm	102.1µm
160 +/- 2.2µm	160.2µm

NIST TRACEABLE PARTICLE SIZE STANDARDS

Cat. # Product Description

NT02N	NIST Traceable Particle Size Standards, 40nm
NT03N	NIST Traceable Particle Size Standards, 60nm
NT04N	NIST Traceable Particle Size Standards, 80nm
NT05N	NIST Traceable Particle Size Standards, 100nm
NT06N	NIST Traceable Particle Size Standards, 150nm
NT07N	NIST Traceable Particle Size Standards, 200nm
NT08N	NIST Traceable Particle Size Standards, 300nm
NT09N	NIST Traceable Particle Size Standards, 400nm
NT10N	NIST Traceable Particle Size Standards, 500nm
NT11N	NIST Traceable Particle Size Standards, 600nm
NT12N	NIST Traceable Particle Size Standards, 700nm
NT13N	NIST Traceable Particle Size Standards, 800nm
NT14N	NIST Traceable Particle Size Standards, 900nm
NT15N	NIST Traceable Particle Size Standards, 1µm
NT16N	NIST Traceable Particle Size Standards, 1.5µm
NT17N	NIST Traceable Particle Size Standards, 2µm
NT18N	NIST Traceable Particle Size Standards, 2.5µm
NT19N	NIST Traceable Particle Size Standards, 3µm
NT20N	NIST Traceable Particle Size Standards, 3.5µm
NT21N	NIST Traceable Particle Size Standards, 4µm
NT22N	NIST Traceable Particle Size Standards, 5µm

NIST TRACEABLE PARTICLE SIZE STANDARDS

Cat. # Product Description

NT23N	NIST Traceable Particle Size Standards, 6µm
NT24N	NIST Traceable Particle Size Standards, 7µm
NT25N	NIST Traceable Particle Size Standards, 8µm
NT26N	NIST Traceable Particle Size Standards, 9µm
NT27N	NIST Traceable Particle Size Standards, 10µm
NT28N	NIST Traceable Particle Size Standards, 12µm
NT29N	NIST Traceable Particle Size Standards, 15µm
NT30N	NIST Traceable Particle Size Standards, 20µm
NT31N	NIST Traceable Particle Size Standards, 25µm
NT32N	NIST Traceable Particle Size Standards, 30µm
NT33N	NIST Traceable Particle Size Standards, 40µm
NT34N	NIST Traceable Particle Size Standards, 50µm
NT35N	NIST Traceable Particle Size Standards, 60µm
NT36N	NIST Traceable Particle Size Standards, 80µm
NT37N	NIST Traceable Particle Size Standards, 100µm
NT38N	NIST Traceable Particle Size Standards, 125µm
NT39N	NIST Traceable Particle Size Standards, 150µm
NT40N	NIST Traceable Particle Size Standards, 175µm



Bangs Laboratories supplies a large variety of uniform polymeric and silica microsphere products setting the standards for diagnostic, research, and flow cytometry applications. No matter the project, we have a product that serves or we'll work to custom-design a solution to fit. And that's not the half of it.

We also stand behind our products. Regardless of the size of your question or the size of your company, we offer tech support, absolutely free.

Sound interesting? Give us a call.



317.570.7020

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