

Particle Powder Standard

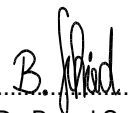
Lot No.: **Pu358.305**

The lot of this particle size standard had been size-characterized during and after filling with highest accuracy. The determined mean particle diameter x_v is traceable to the "Standard Meter" according to the National Institut of Standards and Technology (NIST).
For calibration of the particle sizing system 19 NIST-traceable calibrants had been applied. The determination of the data had been done by measurement of several samples of this lot after re-suspension of the powder in an aqueous solution of 0.05% sodiumdodecylsulfate.

Particle Sizing Instrument Particle sizing system "Syringe", Markus Klotz GmbH - Bad Liebenzell, Germany
Sensor Type: 8032 Calibr. Curve: 080324.cal Flow [ml/min]: 12.0

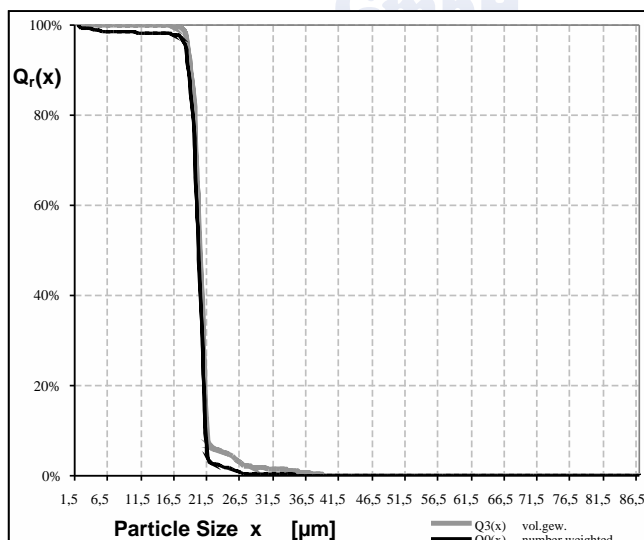
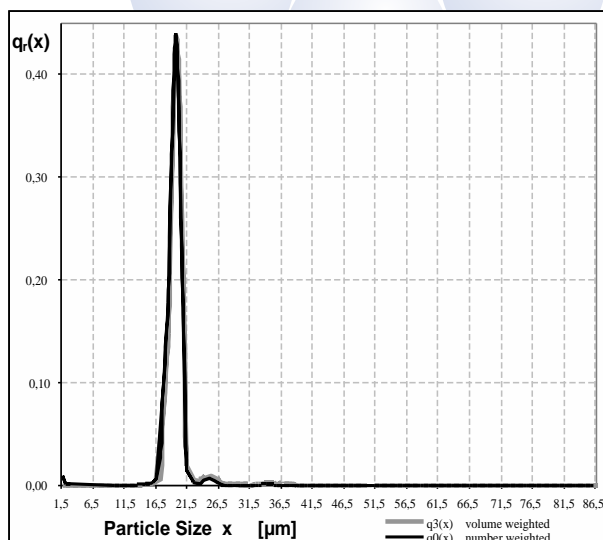
Particle Diameter (Mode): $x_N = \mathbf{20.2\mu m} \pm \mathbf{0.4\mu m}$ $x_v = \mathbf{20.3\mu m} \pm \mathbf{0.14\mu m}$

Wiesbaden, 10.4.2008


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Dr. Bernd Schied

Physical Data:

Standard Deviation: 0.76 μm relative to x_N
Rel. Standard Dev. (C.V.): 3.8% relative to x_N
Polymer Density: 1.05g/mL
Refractive Index: 1.59 (25°, 589nm)
Chemical Composition: White powder consisting of: Poly(styrene-co-divinylbenzene),





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Certificate of Calibration

Catalog No.:
Pu2000-01
Pu2000-05

Storage

Product Lot: **Pu358.305**

Shipping Lot: **12999**

This particle size standard can be applied without any quality loss until: **17. FEB. 2016**
Freezing, drying or any contamination can make this standard unusable for calibration purposes.
Therefore please note the following advices.

- Keep the dropper-tipped vial sealed all the time.
- Do not touch the dropper-tip with fingers; do not clean it with towels or contract it with other chemicals.
- Recommended storage temperature is 4°C - 15°C; optimal temperature is 8°C; do not freeze!
- Particle size standards are reference substances.
Hence, store them definitely separated from other chemicals of daily use.