

Test Particles Data Sheet



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Expiry Date: **3 years after shipping date**

"Test Particles" are aqueous dispersions typically used to be applied in experiments, evaluations or simulations of specific particle situations (filter retention tests/-efficiency, studies of flow characteristics, etc.).

"Test Particles" are **not** designed for calibrations of particle sizers because of their lower particle diameter accuracy.

For this purpose we recommend our certified particle size standards

The LS series for particle counting instruments or the HS series for particle sizers which cannot count particles.

Particle Diameter (Mode): $x_v = 4.2\mu\text{m} \pm 0.2\mu\text{m}$

Particle Sizing Instrument 1: Particle sizing system "Syringe", Markus Klotz GmbH - Bad Liebenzell, Germany
Particle Sizing Instrument 2: Analytical disc centrifuge "DC20000", CPS Instruments Inc., Stuart, USA

Solid Contents: 5%

Rel. Standard Deviation (C.V.): < 7%

Polymer Density: 1.05 g/ml

Refractive Index: 1.59 (25°C, 589nm)

Chemical Composition: Aqueous suspension consisting of: Polystyrene, surfactants (<0.1%), preservatives (<0.05%)

