

Test Particles Data Sheet



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Cat. No.: **Te0100-25**

Lot No.: **Te514.161**

Expiry Date: **3 years after delivery 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 following certified particle size standards series:

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

Particle Diameter (Mode): $x_V = 1.00\mu\text{m} \pm 0.06\mu\text{m}$

Particle Sizing Instrument: Analytical Disc Centrifuge DC20000, CPS Instruments Inc., Stuart - USA

Solid Contents: 5%

Rel. Standard Deviation (C.V.): < 9% relative to x_V

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%)

