

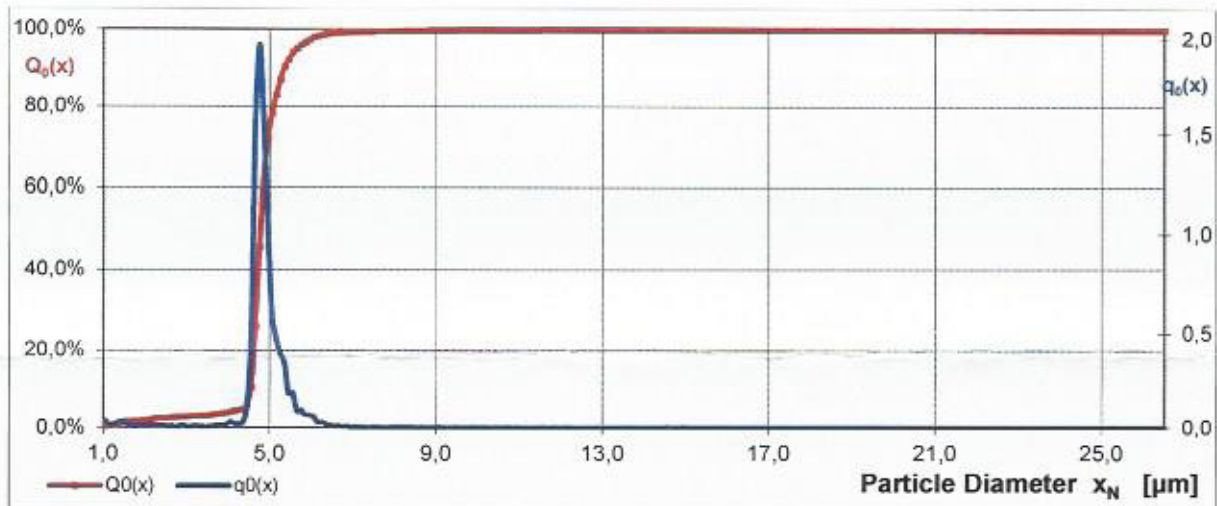
Product: PU0500

Particle Powder Standard - PU-series

NIST-traceable size standard for the calibration of particle powder sizing instruments

Certification Data:

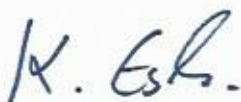
Method applied:	Single particle optical sizing by light obscuration Calibrated by NIST-traceable size standards
Mean diameter:	4.75 $\mu\text{m} \pm 0.05 \mu\text{m}$
Relative standard deviation (CV):	5.4%



Product Data

Product Identification Number:	PU0500
Material:	Polystyrene particle powder
Chemical composition:	Polystyrene or poly(styrene-co-divinylbenzene), trace amounts of surfactants (<0.01%)
Production LOT number:	CH0081.181
Production date:	13-09-2018
Packaging date:	17-12-2018
Expiration date:	17-12-2023

Signed:



Dr. Kyriakos Eslahian, CEO

Certificate of Calibration



Product: PU0500

Physical Data

Nominal density:	1.05 g/cm ³
Refractive index:	1.59 @ 25°C
Appearance:	White
Surface characteristics:	<i>Not specified</i>
Packing area:	<i>Not applicable</i>

Application

For an appropriate performance of this particle size standard homogeneity of the particle distribution has to be ensured. Make sure your equipment is free of particles prior to application in order to avoid contaminations.

Safety

These products are to be used by trained personal only. Avoid inhalation and work in a well ventilated environment. In the case aerosol production is necessary in the workplace while handling these products wear a suitable filter respirator. Avoid direct ingestion of the particles and wash your hands after application prior to eat, to drink or to smoke. In case of skin contact wash the contaminated skin area with sufficient amounts of fresh water. When feeling uncomfortable after using this product require medical care immediately!

Storage and Disposal

Store the bottle upright and keep the bottle sealed when not used. Never touch the dropper tip and prevent any contact to chemicals. Avoid all kind of contamination! Store at 4-30°C. Do not freeze the particles. Avoid direct sunlight. Dispose bottle and dried contents with general laboratory waste.

Limited warranty

This product is to be applied under laboratory conditions by trained operators only. Insufficient knowledge can cause wrong measurement results by applying this product. Furthermore by inappropriate handling it might become useless and lose its certified properties. Deviations from recommended storage conditions or handling operations can reduce the stability of this product.

Determination of measurement data consistency is responsibility of the user. The manufacturer is not responsible for consequential damages after using this product. Warranty and the right of replacement of any defective product is limited to 60 days from delivery date. Authorization by the manufacturer is required for acceptance of any return of products.