

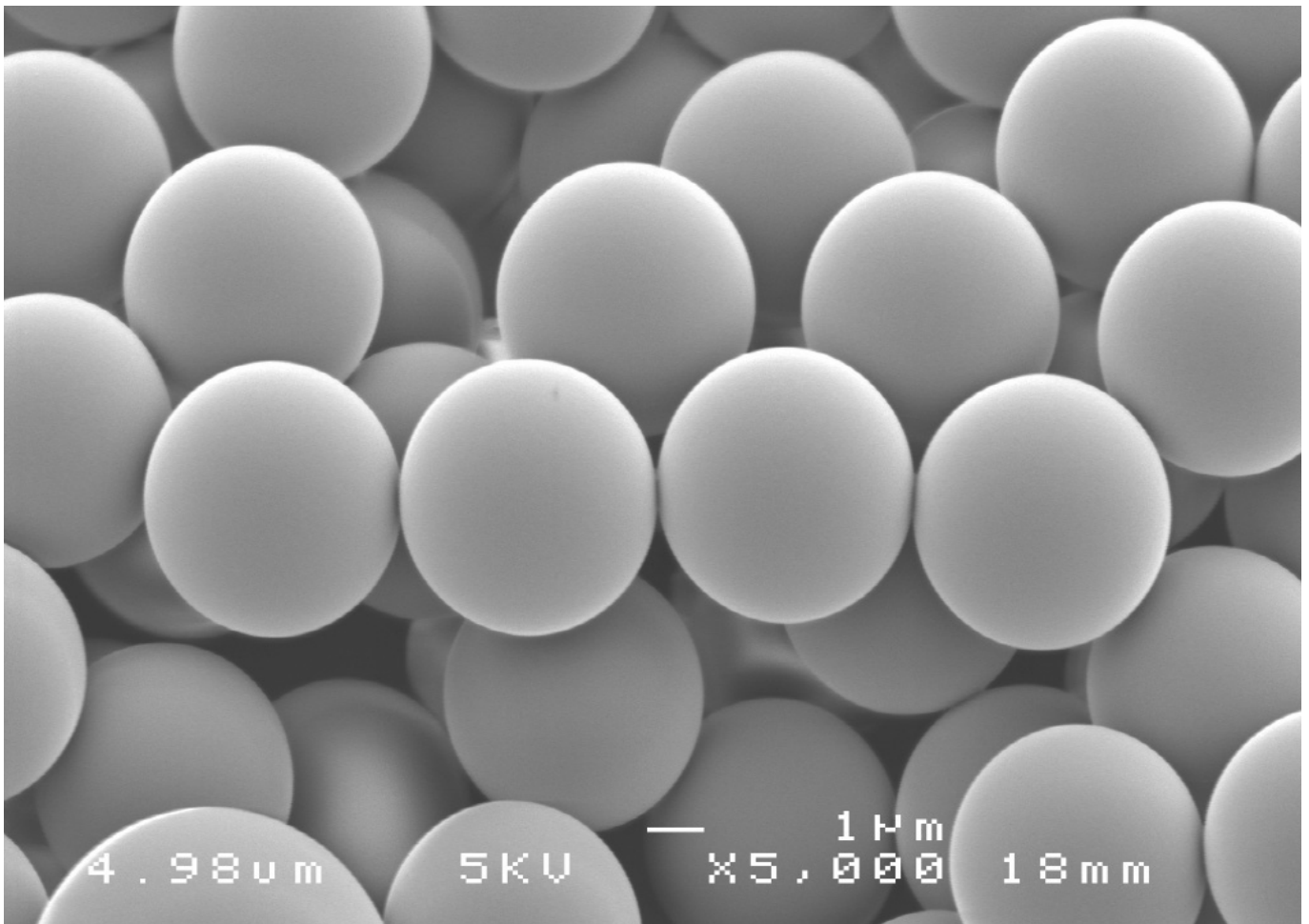
Powder MicroStandard™

Applied Microspheres Powder MicroStandard™ is designed for particle sizing and counting instruments that can only be calibrated with dry particles from 3 to 220 µm.

Powder MicroStandard™ particles are composed of polystyrene with or without cross-linking and have a density of 1,05 g / cm³. The refractive index is 1,59 @ 589 nm. They are not suitable for dispersion in liquid media.

The certified mean diameter is traceable to the International System of Units (SI) and to NIST. Traceability is obtained through particle size standards certified by an ISO 17025 accredited laboratory as well as NIST Standard Reference Materials.

Powder MicroStandard™ show a calibration uncertainty < 2,5 % meeting the ISO 21501-4 regulation, the international standard for an improved validation of the repeatability and reproducibility of air particle counting instruments.



Nominal Diam.	Quantity	Approx number / g	Part No.
3 µm	1 g	$6,7 \times 10^{10}$	81030-01
5 µm	1 g	$1,4 \times 10^{10}$	81050-01
8 µm	1 g	$3,5 \times 10^9$	81080-01
10 µm	1 g	$1,8 \times 10^9$	81100-01
20 µm	1 g	$2,3 \times 10^8$	81200-01
25 µm	1 g	$1,2 \times 10^8$	81250-01
40 µm	1 g	$2,8 \times 10^7$	81400-01
80 µm	1 g	$3,5 \times 10^6$	81800-01
100 µm	1 g	$1,8 \times 10^6$	82010-01
140 µm	1 g	$6,6 \times 10^5$	82014-01
220 µm	1 g	$1,7 \times 10^5$	82022-01