# MS Series -
Multi Modal Size Standards™

Applied Microspheres Multi Modal Size Standards™ consists of mixtures of particle size standards of different diameters. They provide a versatile tool for accurate and reliable testing of the resolution of particle sizing instruments. They can be used for advanced operation qualification or size calibration for particle size analysis. Another typical application is in filter testing for the determination of the cut-off point for filter efficiency and the loading capacity of the filter.

As such the multimodal size standards show a volumetric particle size distribution in order to match the most relevant applications. For multimodal particle suspensions with a number-based definition of the size distribution, we refer to our PharmaCount™ product series, especially products PharmaCount™ BC, Pharma-Count™ TC and PharmaCount™ 788 match criteria of international pharmacopeia by their multimodal size distributions.

Applied Microspheres' NanoStandards™ and MicroStandards™ of monodisperse polymer particles are used for the particle mixtures. These are certified by a methodology traceable to the International System of Units (SI), including NIST traceability. The aqueous medium has been specially formulated to ensure optimal dispersion and prevention of agglomerates, resulting in proven long-term stability. Only d10, d50 and d90 values are certified. The other values provided are for reference and information purposes only.

Other particle size distributions and diameters can be combined on request according to specifications and requirements of the application. For instance, the particle size distribution of light and heavy oils in water can be mimicked for turbidity measurement applications as a substitute for harmful materials like formazin.
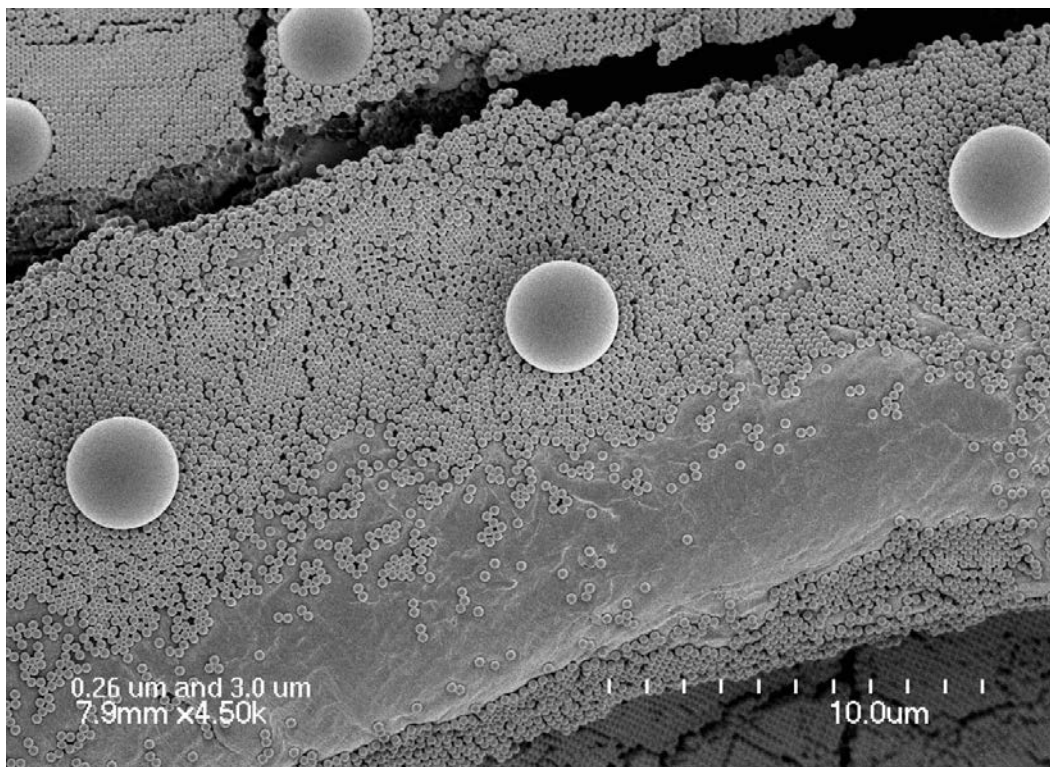
Range	Volume	Solids	Part No.
0,05 µm – 2,0 µm	3 mL	2 %	15001-03
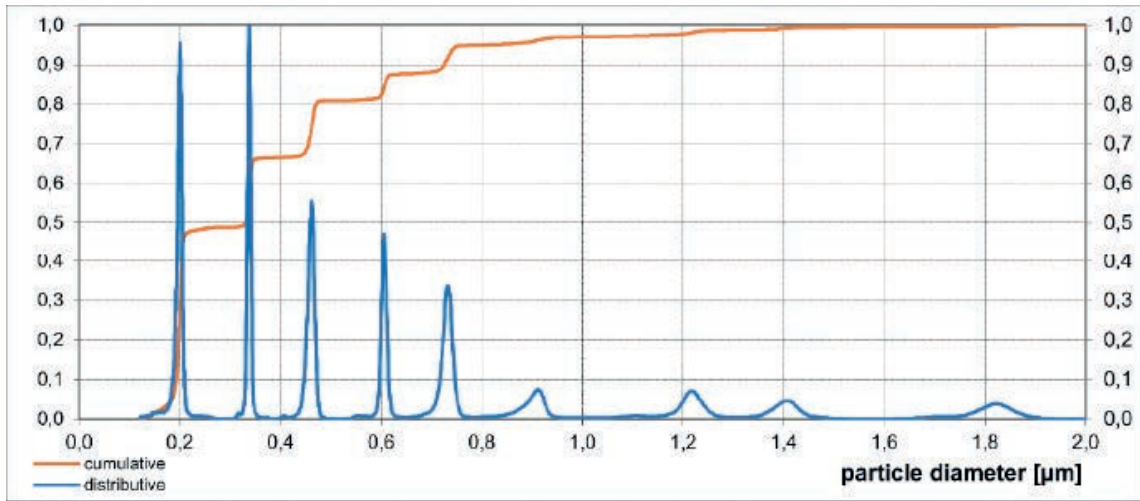
Range	Volume	Solids	Part No.
0,2 µm - 2 µm	20 mL	2 %	15002-20
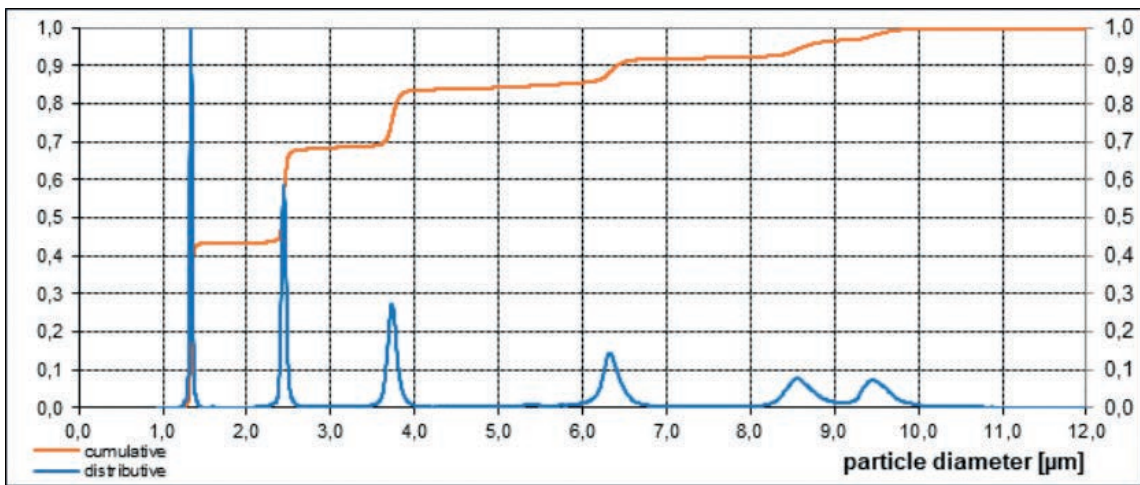
Range	Volume	Solids	Part No.
1,0 µm - 10 µm	20 mL	2 %	15003-20