

Polystyrene (PS)

Art. ID	BAM-P202
Unit	approx. 1 g
Deliverydetails	No Dangerous Good /not restricted

Description

The reference material BAM-P202 is a polystyrene (PS) powder for analyzing microplastics in environmental samples. It represents a close to reality reference material with characteristic value particle size, that is suitable for validation of sampling, sample preparation and detection of microplastics. At the same time, it can be used for evaluation of effects in the field of ecotoxicology, human toxicology, contaminant transport and agglomeration behavior related to microplastics. The particles are produced by cryo-grinding, have an angular shape with sharp, irregular edges and, as is typical in nature, exhibit a range of particle sizes. The reference material BAM-P202 is available as a powder in glass bottles with 1 g filling.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
± Expanded uncertainty	Particle size D10		91 ± 13	µm		
± Expanded uncertainty	Particle size D50		206 ± 27	µm		
± Expanded uncertainty	Particle size D90		311 ± 28	µm		