

Technical Data Sheet

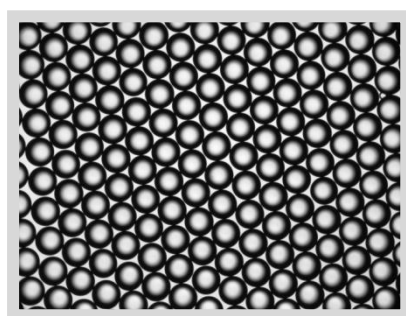
CALIBRE[®] CS IN CALIBRATION

High precision calibration standards from Microbeads AS, Norway. Polymer particles from 1-160 microns all certified according to international reference standards

Special features

- Highly monosized particles
- 100 % uniformity
- Crosslinked PS/DVB particles
- Clean and smooth surface
- Low price

Supplied as an aqueous suspension in 15 ml bottles:



Properties

The Calibre CS product range with 11 different particle sizes available from 1 -160 microns is developed for use as calibration standards in a wide range of applications. The measurement method of the particles has MRA approvals – Mutual Recognition Arrangement, from institutes all over the world (EUROMET).

The material is polystyrene cross-linked with divinylbenzene which ensure a good durability and chemical resistance. The particles are 100% spherical and have a clean surface.

Typical calibration applications

- Particle analysers
- Sieves
- Filters
- Optical equipment
- Electronic equipment

Technical data

Nominal diameter (µm)	CV (%)	Weight per bottle (gram solid)	Prices (Euro)
1	<3	0.15	50
2	<3	0.15	50
3	<2	0.15	50
5	<2	0.2	50
10	<2	0.2	55
20	<2	0.2	55
30	<2	0.2	55
40	<2	0.2	60
60	<2	0.3	60
100	<2	0.3	60
160	<2	0.3	60

The CV of the particle population is typically 0.75 -1.5 %

Particle properties

Refractive index 1.59 (589 nm/ 25 °C)
 Particle density 1.05 g/cm³

Typical particle size distribution by Coulter Multisizer 3:

