

Calibration Samples

For accurate test sieve calibration

Test sieve calibration samples supplied by Endecotts are microspheres formed of soda-lime glass that range from 3.35 mm down to 20 micron sizes. Because of the precise nature and extent of the range of spheres, samples can be supplied to enable the accurate calibration of individual sieves to an accuracy of approx. 1 μm . The microspheres pass over almost, the total surface of the sieve enabling more apertures to be examined than with any other method. Consequently, calibration samples are one of the most accurate methods of sieve calibration available.

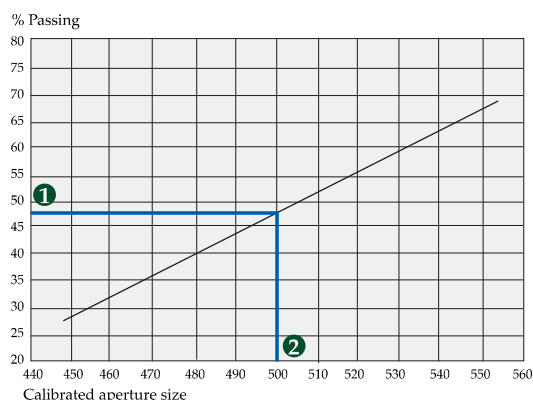
The glass microspheres are calibrated by an external laboratory who are recognised as one of the leading particle analysis laboratories by the BCR, and by 20 other leading European particle size analysis laboratories.



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The table on the right lists the nominal aperture size of a specific sieve and the appropriate Calibration Sample required.

The samples are supplied in 'Single Use' vials complete with calibration certificate.



How to accurately calibrate test sieves in a matter of minutes

- 1) Select the calibration sample size that matches the aperture size of the sieve.
- 2) Place a weighed sample on the sieve under test and shake for 2 minutes.
- 3) Weigh the sample again and calculate the percentage passing through the sieve.
- 4) Simply read off the percentage passing along the graph supplied with every Calibration Sample. ①
- 5) The mean average aperture size in microns can be read off against the graph. ②

Calibration Samples

Nominal Aperture	Aperture Range	No. of Vials	Nominal Weight
20 μm	15 - 25 μm	5 vials	0.8 g each
25 μm	20 - 32 μm	5 vials	0.8 g each
32 μm	25 - 38 μm	5 vials	1.0 g each
38 μm	32 - 45 μm	5 vials	1.0 g each
45 μm	38 - 53 μm	5 vials	1.0 g each
53 μm	45 - 63 μm	5 vials	1.0 g each
63 μm	53 - 75 μm	5 vials	1.0 g each
75 μm	63 - 90 μm	5 vials	1.0 g each
90 μm	75 - 106 μm	5 vials	1.0 g each
106 μm	90 - 125 μm	5 vials	1.0 g each
125 μm	106 - 150 μm	5 vials	1.0 g each
150 μm	125 - 180 μm	5 vials	1.5 g each
180 μm	150 - 212 μm	5 vials	1.5 g each
212 μm	180 - 250 μm	5 vials	1.5 g each
250 μm	212 - 300 μm	5 vials	2.5 g each
300 μm	250 - 355 μm	5 vials	2.5 g each
355 μm	300 - 425 μm	5 vials	2.5 g each
425 μm	355 - 500 μm	5 vials	2.5 g each
500 μm	425 - 600 μm	5 vials	2.5 g each
600 μm	500 - 710 μm	5 vials	2.5 g each
710 μm	600 - 850 μm	5 vials	2.5 g each
850 μm	710 μm - 1 mm	5 vials	2.5 g each
1 mm	850 μm - 1.18 mm	5 vials	7.0 g each
1.18 mm	1.0 - 1.4 mm	5 vials	10.0 g each
1.4 mm	1.18 - 1.7 mm	5 vials	15.0 g each
1.7 mm	1.4 - 2.0 mm	5 vials	15.0 g each
2 mm	1.7 - 2.36 mm	5 vials	20.0 g each
2.36 mm	2.0 - 2.8 mm	5 vials	20.0 g each
2.8 mm	2.36 - 3.35 mm	5 vials	25.0 g each
3.35 mm	2.84 - 4.0 mm	5 vials	25.0 g each