



TEST SIEVES

Recommended Tolerances European and American Standards

Mesh #	Nominal Sieve size	ISO Tolerance @ mean	ASTM Tolerance @ mean	ISO Max single aperture	ASTM Max single aperture	ISO Max SD =D84%	ASTM Max @ D95%	ISO Count for microscopy
6	3.35mm	3.24 - 3.46	3.24 - 3.46	3.67mm	3.66mm	3.501mm	3.55mm	2 x 40
7	2.80mm	2.81 - 2.89	2.715 - 2.895	3.09mm	3.070mm	2.930mm	2.975mm	2 x 40
8	2.36mm	2.28 - 2.44	2.28 - 2.44	2.61mm	2.609mm	2.474mm	2.515mm	2 x 40
10	2.00mm	1.93 - 2.07	1.93 - 2.07	2.23mm	2.215mm	2.105mm	2.135mm	2 x 50
12	1.70mm	1.64 - 1.76	1.64 - 1.76	1.90mm	1.890mm	1.787mm	1.820mm	2 x 50
14	1.40mm	1.35 - 1.45	1.35 - 1.45	1.58mm	1.565mm	1.487mm	1.505mm	2 x 80
16	1.18mm	1.14 - 1.22	1.135 - 1.225	1.34mm	1.330mm	1.247mm	1.270mm	2 x 80
18	1.00mm	0.97 - 1.03	0.96 - 1.04	1.14mm	1.135mm	1.059mm	1.083mm	2 x 80
20	850µm	821 - 879	815 - 880	977µm	970µm	902.2µm	925µm	2 x 80
25	710µm	685 - 735	680 - 740	822µm	815µm	755.8µm	775µm	2 x 100
30	600µm	579 - 621	575 - 625	701µm	695µm	640.5µm	660µm	2 x 100
35	500µm	482 - 518	480 - 520	589µm	585µm	535.9µm	550µm	2 x 120
40	425µm	409 - 441	406 - 444	506µm	502µm	457.2µm	471µm	2 x 120
45	355µm	342 - 368	339 - 371	427µm	425µm	383.2µm	396µm	2 x 160
50	300µm	288 - 312	286 - 314	365µm	363µm	325.4µm	337µm	2 x 160
60	250µm	240.1 - 259.9	238 - 262	308µm	306µm	272.4µm	283µm	2 x 160
70	212µm	203.3 - 220.7	202 - 222	264µm	263µm	232.0µm	242µm	2 x 160
80	180µm	172.4 - 187.6	171 - 189	227µm	227µm	198.0µm	207µm	2 x 200
100	150µm	143.4 - 156.6	142 - 158	193µm	192µm	166.3µm	174µm	2 x 200
120	125µm	119.2 - 130.8	118 - 132	163µm	163µm	139.4µm	147µm	2 x 200
140	106µm	100.8 - 111.2	100 - 112	141µm	141µm	119.2µm	126µm	2 x 200
170	90µm	85.4 - 94.6	85 - 95	122µm	122µm	102.0µm	108µm	2 x 200
200	75µm	70.9 - 79.1	70 - 80	104µm	103µm	85.8µm	91µm	2 x 250
230	63µm	59.3 - 66.7	59 - 67	89µm	89µm	72.9µm	77µm	2 x 250
270	53µm	49.6 - 56.3	49 - 57	77µm	76µm	62.0µm	66µm	2 x 250
325	45µm	41.9 - 48.1	42 - 48	67µm	66µm	53.3µm	57µm	2 x 250
400	38µm	35.1 - 40.9	35 - 41	58µm	57µm	45.7µm	48µm	2 x 300
450	32µm	29.3 - 34.7	29 - 35	51µm	50µm	38.8µm	42µm	2 x 300
500	25µm	22.5 - 27.5	22 - 28	41µm	41µm	31.1µm	34µm	2 x 300
635	20µm	17.7 - 22.3	17 - 23	34µm	35µm	25.7µm	29µm	2 x 300