

### Analysis Sieve - Comparison Table

Opening size	ASTM E11	Permissible Variation of Average Opening	HMPS Part No.	HMPS Part No.	Inches	DIN 4188	Tyler	BS 410 ISO 3310	ISO 3310 1 - 3	Re-Certification Schedule	
micron	No.	micron	200 mm dia.	70 Series	inches	mm	mesh	micron	micron	Uses	Months
5			M343558 Nickel Etched	M343548		0.005	2500 (Theoretical)			1	6
10			M343547 Nickel Etched	M343545		0.010	1250 (Theoretical)			1	6
15			M343559 Nickel Etched	M343549		0.015	800 (Theoretical)			1	6
20	635	± 3	390-1023702-CRT	M343421	0.0008	0.020	635	20	20	20	6
22						0.022		22	22	20	6
25	500	± 3	390-1023701-CRT	M343422	0.0010	0.025	500	25	25	20	6
28						0.028		28	28	20	6
32	450	± 3	390-1023700-CRT	M343423	0.0012	0.032	450	32	32	20	6
36						0.036		36	36	20	6
38	400	± 3	390-003807-CERT	M343424	0.0015		400	38	38	20	6
40						0.040		40	40	30	9
45	325	± 3	390-003808-CERT	M343425	0.0017	0.045	325	45	45	30	9
50			34A3278-CERT			0.050		50	50	30	9
53	270	± 4	390-003809-CERT	M343426	0.0021		270	53	53	30	9
56						0.056		56	56	30	9
63	230	± 4	390-003810-CERT	M343427	0.0024	0.063	230	63	63	30	9
71						0.071		71	71	40	12
75	200	± 5	390-003811-CERT	M343428	0.0029		200	75	75	40	12
80			34A3277-CERT			0.080		80	80	40	12
90	170	± 5	390-003812-CERT	M343429	0.0035	0.090	170	90	90	40	12
100			34A3276-CERT			0.100		100	100	40	12
106	140	± 6	390-003813-CERT	M343431	0.0041		150	106	106	40	12
112						0.122		112	112	50	18
125	120	± 7	390-003814-CERT	M343432	0.0049	0.125	115	125	125	50	18
140						0.140		140	140	50	18
150	100	± 8	390-003815-CERT	M343433	0.0059		100	150	150	50	18
160			34A3275-CERT			0.160		160	160	50	18
180	80	± 9	390-003816-CERT	M343435	0.0070	0.180	80	180	180	50	18
200						0.200		200	200	50	18
212	70	± 10	390-003817-CERT	M343437	0.0083		65	212	212	50	18
224	65					0.224	62	224	224	50	18
250	60	± 12	390-003818-CERT	M343438	0.0098	0.250	60	250	250	50	18
280						0.280		280	280	50	18
300	50	± 14	390-003819-CERT	M343439	0.0117		48	300	300	60	24
315						0.315		315	315	60	24
355	45	± 16	390-003820-CERT	M343440	0.0138	0.355	42	355	355	60	24
400						0.400		400	400	60	24
425	40	± 19	390-003821-CERT	M343441	0.0165		35	425	425	60	24
450						0.450		450	450	60	24
500	35	± 20	390-003822-CERT	M343442	0.0197	0.500	32	500	500	60	24
560						0.560		560	560	60	24
600	30	± 25	390-003823-CERT	M343443	0.0232		28	600	600	60	24
630						0.630		630	630	60	24
710	25	± 30	390-003824-CERT	M343444	0.0280	0.710	24	710	710	60	24
800						0.800		800	800	60	24
850	20	± 35	390-003825-CERT	M343445	0.0331		20	850	850	60	24
900						0.900		900	900	60	24
1000	18	± 40	390-003826-CERT	M343446	0.0394	1.0	16	1000	1000	75	30
1120						1.12		1120	1120	75	30
1180	16	± 45	390-003827-CERT	M343447	0.0469		14	1180	180	75	30
1140								1140	1140	75	30
1250						1.25		1250	1250	75	30
1400	14	± 50	390-005217-CERT	M343448	0.0555	1.4	12	1400	1400	75	30
1600						1.6		1600	1600	75	30
1700	12	± 60	390-004998-CERT	M343449	0.0661		10	1700	1700	75	30
1800						1.8		1800	1800	75	30
2000	10	± 70	390-003828-CERT	M343450	0.0787	2.0	9	2000	2000	75	30
2240						2.24		2240	2240	75	30
2360	8	± 80	390-005347-CERT	M343451	0.0937		8	2360	2360	75	30
2500						2.5		2500	2500	75	30
2800	7	± 95			0.111	2.8	7	2800	2800	75	30
3150						3.15		3150	3150	75	30
3350	6	± 110	390-860052-CERT	M343453	0.132		6	3350	3350	75	30
3550						3.55		3550	3550	75	30
4000	5	± 130			0.157	4.0	5	4000	4000	75	30
4500						4.5		4500	4500	100	40
4750	4	± 150	390-004999-CERT	M343455	0.187		4	4750	4750	100	40
5000						5.0		5000	5000	100	40