

**RECOMMENDED REPRESENTATIVE  
BULK VOLUMES OF TEST SAMPLES  
Used in 8" (203mm) Testing Sieves**

Standard Sieve Designation		Bulk Volume of Material	
Standard	Alternate	Recommended Volume of Material for Test Sample	Maximum Permitted Volume on Sieve on Completion of Sieving
25.0mm	1.00"	1800cm <sup>3</sup>	900cm <sup>3</sup>
22.4mm	7/8"	1600cm <sup>3</sup>	800cm <sup>3</sup>
19.0mm	3/4"	1400cm <sup>3</sup>	700cm <sup>3</sup>
16.0mm	5/8"	1000cm <sup>3</sup>	500cm <sup>3</sup>
12.5mm	1/2"	800cm <sup>3</sup>	400cm <sup>3</sup>
11.2mm	7/16"	800cm <sup>3</sup>	400cm <sup>3</sup>
9.50mm	3/8"	600cm <sup>3</sup>	300cm <sup>3</sup>
8.00mm	5/16"	500cm <sup>3</sup>	250cm <sup>3</sup>
6.30mm	1/4"	400cm <sup>3</sup>	200cm <sup>3</sup>
5.60mm	No. 3 1/2	400cm <sup>3</sup>	200cm <sup>3</sup>
4.00mm	No. 5	350cm <sup>3</sup>	150cm <sup>3</sup>
2.80mm	No. 7	240cm <sup>3</sup>	120cm <sup>3</sup>
2.00mm	No. 10	200cm <sup>3</sup>	100cm <sup>3</sup>
1.40mm	No. 14	160cm <sup>3</sup>	80cm <sup>3</sup>
1.00mm	No. 18	140cm <sup>3</sup>	70cm <sup>3</sup>
710μ	No. 25	120cm <sup>3</sup>	60cm <sup>3</sup>
500μ	No. 35	100cm <sup>3</sup>	50cm <sup>3</sup>
355μ	No. 45	80cm <sup>3</sup>	40cm <sup>3</sup>
250μ	No. 60	70cm <sup>3</sup>	35cm <sup>3</sup>
180μ	No. 80	60cm <sup>3</sup>	30cm <sup>3</sup>
125μ	No. 120	50cm <sup>3</sup>	25cm <sup>3</sup>
90μ	No. 170	40cm <sup>3</sup>	20cm <sup>3</sup>
63μ	No. 230	35cm <sup>3</sup>	17cm <sup>3</sup>
45μ	No. 325	30cm <sup>3</sup>	15cm <sup>3</sup>
38μ	No. 400	25cm <sup>3</sup>	12cm <sup>3</sup>

The recommended weight of material for a sieve test sample is calculated by multiplying the bulk volume figure in Column 3 by the particular bulk density in grams per cubic centimeter of the material, rounded out within a tolerance of ±25 percent.