

MATERIALS FINER THAN 75 µm SIEVE IN MINERAL AGGREGATES BY WASHING LS-601-R29 _____
 C117-13 _____

APPARATUS

1. Balance:
 MTO: Readable to within 0.1% of test load? _____
 ASTM: Readable to within 0.1 g or 0.1% of test load? _____
2. Sieves (Nest of two):
 (a) 0.075 mm _____
 (b) Protective sieve is 1.18 mm? _____
3. Container, size and condition OK? _____
4. Oven, maintains 110 ± 5°C? _____
5. Wetting agent (MTO 5.2 Note)? _____
 ASTM (Method B only)? _____
6. Mechanical washing apparatus (ASTM optional):
 (a) Results are consistent with those obtained using manual methods? _____
 (b) Degradation of the sample is avoided? _____

COMMENTS:

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PROCEDURE

1. Test sample obtained by splitting and/or quartering (ASTM C702)? _____
 2. Test sample mass conforms to following table? _____

Nominal Maximum Size	Minimum Mass, g
2.36 mm	300
4.75 mm	300
9.5 mm	1000
19.0 mm	2500
37.5 mm or larger	5000

3. Test sample dried to constant weight at 110 ± 5°C? _____
 4. Test sample weighed to 0.1%? _____
 5. Placed in container and covered with water? _____
 6. Wetting agent added? (Optional, ASTM Method B) _____
 7. Contents of container vigorously agitated? _____
 8. Complete separation of coarse and fine particles? _____
 9. Wash water poured through sieve nest? **1.18mm cover sieve for material > 4.75mm** _____
 10. Wash water free of coarse particles? _____
 11. Operation continued until wash water is clear? _____
 12. Material on sieves returned to washed sample? _____
 13. Excess water decanted from washed sample only through the 75 µm sieve? _____
 14. Washed aggregate dried to constant weight at 110 ± 5°C? _____
 15. Washed aggregate weighed to 0.1%? _____
 16. Calculation: % *Less than 75 µm* = $\frac{\text{Orig. dry wgt.} - \text{Final dry wgt.}}{\text{Orig. dry wgt.}} \times 100$? _____

Comments: