



Performance Examination - Aggregate

Standard Practice for Reducing Samples of Aggregate to Testing Size (ASTM C702 / C702M-18) [AASHTO R 76]

Candidate Name: _____ NICET ID: _____

Apparatus	Trial 1	Trial 2
Mechanical Splitter (Method A)		
Sample splitter with an even number of chutes, not less than 8 for coarse aggregate or 12 for fine aggregate with equal width chutes with receptacles		
For coarse aggregate and mixed aggregate, chutes 50% wider than max size particle		
For dry fine aggregate, chutes 12.5 to 20 mm (½ to ¾ in.) in width		
Hopper or straight-edged pan with a width less than an overall assembly of chutes		
Method B		
Straight-edged scoop, shovel, trowel or canvas blanket approximately 2 by 2.5 m (6 by 8ft)		
Method C		
Straight-edged scoop, shovel, or trowel, small scoop or spoon on a hard, clean surface		
Procedures	Trial 1	Trial 2
Method A – Mechanical Splitter		
1. Distribute uniformly from edge to edge		
2. Free flowing - reintroduce until test size is obtained		
Method B - Quartering		
1. Place sample on hard, clean, level surface or blanket		
2. Turn the sample over three times with shovel or lifting blanket corners		
3. Flatten pile at the apex		
4. Divide into equal quarters		
5. Remove diagonally opposite quarters including fines		
Method C – Miniature Stockpile (<i>Damp Fine Aggregate Only</i>)		
1. Place sample on hard, clean, level surface and turn sample over three times		
2. Form conical pile, obtain five increments randomly from the stockpile		

First Attempt: Pass: _____ Fail: _____ Second Attempt: Pass: _____ Fail: _____

Comments:

Examiner Name: _____ Examiner Signature: _____ Date: _____