



# Performance Examination - Concrete

## Standard Practice for Sampling Freshly Mixed Concrete (ASTM C172 / C172M-17)

Candidate Name: \_\_\_\_\_ NICET ID: \_\_\_\_\_

Apparatus	Trial 1	Trial 2
<b>Sieves</b> As designated, conforming to Specification E11.		
<b>Receptacle</b> A container of a suitable size having a nonabsorbent surface.		
<b>Hand Tools</b> Shovels, hand scoops, plastering trowels, and rubber gloves as required.		

Procedures	Trial 1	Trial 2
1. Obtain a representative sample source (i.e., revolving drum truck mixer).		
2. Ensure that all water has been added.		
3. Sample the concrete at two or more regularly spaced intervals during discharge of the middle portion of the batch.		
4. Repeatedly pass receptacle through entire discharge stream or completely divert discharge stream into sampling container.		
5. Transport samples to the place of testing. Combine and remix to form composite samples.		
6. Obtain composite sample within 15 minutes from the start of sampling.		
7. The minimum size of the sample used for strength tests shall be 28 L (1 ft³).		
8. Start tests for the slump, temperature, and air within 5 minutes after obtaining a final portion of the composite sample.		
9. Start molding specimens within 15 minutes after fabricating the composite sample.		
10. Protect sample against rapid evaporation and contamination.		

**First Attempt:** Pass: \_\_\_\_\_ Fail: \_\_\_\_\_ **Second Attempt:** Pass: \_\_\_\_\_ Fail: \_\_\_\_\_

**Exam Administration:** Remote \_\_\_\_\_ In-Person \_\_\_\_\_

**Comments:**

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**Examiner Name:** \_\_\_\_\_ **Examiner Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_