

Performance Examination Checklist — ASTM C172 Sampling (PERFORMANCE)

Examinee Name (please print): _____

Last four digits of Social Security Number: _____

This checklist forms the *basis* of the performance examination; it does not necessarily reflect all of the detail necessary to conduct the procedures in complete compliance with the governing practice. Examination of performance may refer to relevant procedural details contained in the published practice but which are not included in this checklist.

	<i>First Trial</i>	<i>Second Trial</i>	<i>Re-Trial</i>
1. Obtain a representative sample source (i.e. revolving drum truck mixer):			
A.) Ensure that all water has been added. (Para. 5.2.3)	PASS FAIL	PASS FAIL	PASS FAIL
B.) Sample the concrete at two or more regularly-spaced intervals during discharge of the middle portion of the batch. (Para. 5.2.1 and 5.2.3)	PASS FAIL	PASS FAIL	PASS FAIL
C.) Repeatedly pass receptacle through entire discharge stream or completely divert discharge stream into sampling container. (Para. 5.2.1 and 5.2.3)	PASS FAIL	PASS FAIL	PASS FAIL
D.) Transport samples to place of testing. Combine and remix to form composite sample. (Para. 4.1.1 and 5.2.3)	PASS FAIL	PASS FAIL	PASS FAIL
E.) Obtain composite sample within 15 min from the start of sampling. (Para. 4.1)	PASS FAIL	PASS FAIL	PASS FAIL
F.) Minimum size of sample used for strength tests shall be 28 L [1 ft ³]. (Para. 5.1)	PASS FAIL	PASS FAIL	PASS FAIL
2. Start tests for slump, temperature, and air content within 5 min after obtaining final portion of composite sample. (Para. 4.1.2)	PASS FAIL	PASS FAIL	PASS FAIL
3. Start molding specimens within 15 min after fabricating the composite sample. (Para. 4.1.2)	PASS FAIL	PASS FAIL	PASS FAIL
4. Protect sample against rapid evaporation and contamination. (Para. 4.1.2)	PASS FAIL	PASS FAIL	PASS FAIL

In order to merit a passing overall score on the performance examination, each individual step must be passed on either the first or second trial, or on the re-trial following a voluntary suspension.

OVERALL SCORE (circle one for each trial)	PASS FAIL	PASS FAIL	PASS FAIL
	SUSPENDED	SUSPENDED	

Signature: _____ Date: _____
Supplemental Examiner (First Trial and Re-Trial, where applicable)

Signature: _____ Date: _____
Supplemental Examiner (Second Trial and Re-Trial, where applicable)