

Aggregate Field Testing Technician
KT-01 Sampling And Splitting Of Aggregates (Sampling)
 Revised August 2021

Two attempts may be made by the applicant. The applicant may stop themselves once and not have that count as one of the two attempts. If the applicant stops voluntarily, draw a line at that point and note that the applicant stopped themselves then restart at the top of the next attempt. Underlined items will be administered orally.

Applicant: _____

CIT #: _____

Employer: _____

		1st Test		Stopped Test		Re-Test	
Sampling Methods							
Bins or Belt Discharge							
1.	<u>Receptacle must intersect entire cross-section of stream and be passed through the entire stream without overflowing. (3.1)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
2.	<u>Obtain at least three approximately equal increments, selected at random and combine to form a field sample, with a mass that equals or exceeds the minimum required. (3.1.)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
Stationary Conveyor Belt							
3.	<u>Obtain at least three approximately equal increments, selected at random. Combine to form a field sample with a mass that equals or exceeds the minimum required. (3.2)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
4.	<u>Insert two templates, the shape of which conforms to the shape of the belt, in the aggregate stream on the belt. (3.2)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
5.	<u>Carefully scoop all material between the templates into a suitable container and collect the fines from the belt with a brush and dust pan. (3.2.)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
Sampling Stockpiles with Power Equipment							
6.	<u>Try to avoid sampling from stockpiles because it is nearly impossible to collect a truly representative sample. (3.3.)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL

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		1st Test		Stopped Test		Re-Test	
7.	<u>Using power equipment, compose a small sampling pile of material drawn from various levels and locations of the main pile. Moveable conveyor equipment may also be used to create the small stockpile. (3.3.)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
Coarse Aggregates							
8.	<u>Flatten one side of the small pile with the loader bucket. (3.3)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
9.	<u>Sample by inserting a shovel in at least 5 different locations. (3.3.)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
10.	<u>Combine the individual increments to produce a sample of not less than 75 lbs. (3.3.)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
Fine Aggregates							
11.	<u>Sample fine aggregate with a shovel or with a sampling tube having a diameter at least 3 times the size of the maximum size aggregate being sampled. (3.3.)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
12.	<u>Scalp away the outer layer. Obtain a minimum of five increments at several locations in the pile with samples taken from each 1/3 volume of the pile by inserting the tube or digging a hole 1 to 2 ft deep. (3.3.)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
13.	<u>Combine the individual increments to form a field sample. (3.3.)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL

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Overall Score

Circle One

1st Test

Stopped Test

Re-Test

PASS

PASS

PASS

FAIL

FAIL

FAIL

Witness Examiner:

(First Try)

Signature

Date

Witness Examiner:

(Stopped Try)

Signature

Date

Witness Examiner:

(Re-Test)

Signature

Date