

# Soils Field Testing Technician

## KT-65 Sampling and Splitting Cement Treated Base Mixtures

Revised July 2024

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.

Applicant: \_\_\_\_\_

CIT #: \_\_\_\_\_

Employer: \_\_\_\_\_

		1st Test		Stopped Test		3rd Test	
	Procedure						
1.	<u>The total length of time required to sample and split the material shall take no longer than 45 minutes. (Note)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
	<b>Truck Beds</b>						
2.	<u>Divide the truck bed into at least three areas of approximately equal size (3.1.1)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
	-						
3.	<u>Dig a hole about 1 ft (0.3m) deep at a point that will be representative of each area. (3.1.2.)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
	-						
4.	<u>Take a sample near the bottom of each hole and place in container, taking care to prevent segregation (3.1.3.)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
	-						
5.	<u>Combine the individual samples into a single sample and mix thoroughly (3.1.4.)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
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6.	<u>The combined sample size shall be at least four times the amount required for testing. (3.1.5)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
	<b>Conveyor Belt</b>						
7.	<u>Stop the belt, Insert two templates, Space the templates such that the material contained between will yield an increment of the required mass (3.2.1)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
8.	<u>Obtain at least three approximately random equal increments, selected at random, from the unit being sampled. (3.2.2)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL

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		1st Test		Stopped Test		3 <sup>rd</sup> Test	
9.	<u>Carefully scoop all material between the templates into the container and collect the fines from the belt with a brush and dust pan and add to the container.(3.2.3)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
10.	<u>Combine the individual samples into a single sample and mix thoroughly.(3.2.4)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
11.	<u>The combined sample size shall be at least four times the amount required for testing.(3.2.5)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
	<b>Discharge or Flowing Streams</b>						
12.	<u>The batch mixer or the continuous mixer (pugmill) shall be capable of sampling at the discharge outlet. When a sample is taken from the discharge, use a loader(s) or other heavy equipment capable of intercepting the entire cross section of the discharge stream. (3.3.1)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
13.	<u>Divide the material in the loader bucket into at least three areas of approximately equal size. Obtain a sample from each of the three sections. (3.3.2)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
14.	<u>Combine the individual samples into a single sample and mix thoroughly. (3.3.3)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL
15.	<u>The combined sample size shall be at least four times the amount required for testing.(3.3.4)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL

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#### Overall Score

Circle One

#### 1<sup>st</sup> Test

PASS

FAIL

#### Stopped Test

PASS

FAIL

#### Re-Test

PASS

FAIL

#### Witness Examiner:

(First Try)

Signature

Date

#### Witness Examiner:

(Stopped Try)

Signature

Date

#### Witness Examiner:

(Re-Test)

Signature

Date