

Colorado Department of Transportation

Asphalt Binder Content of Bituminous Mixtures (Ignition) CP-L 5120

Moisture Content CP43 Fractured Faces CP45 Max. Specific Gravity CP51

Contract ID	Region
Project Number:	
Project Location:	
Supplier:	
Binder Type:	Form 43 % AC
Binder Source:	Material Code:
Test Number or Lab Reference Number:	Acceptance Method: <input type="checkbox"/> Gradation <input type="checkbox"/> Voids

Material Description:	Mix Type:
Prime Contractor:	Form 43 NO:
Correction Factor Date:	Corr. Factor:
Sample ID:	Sample Date:

Asphalt Binder Content by Ignition Method

External Scale - Basket Weight (g): _____ A

External Scale - Pre Burn Sample & Basket Weight (g): _____ B

Pre Burn - Sample Weight (g): _____ C=(B-A)

Internal Scale - Pre Burn Sample & Basket Weight (g): _____ D

External/Internal Difference (g): _____ E=(B-D)

Post Burn Sample - Aggregate & Basket Weight (g): _____ F

Field Sample cooled at the same time as the correction factor cooling time (within 5 minutes)? YES NO

Post Burn Sample - Aggregate Weight (g): _____ G=(F-A)

Binder Loss: _____ H=(C-G)

Uncorrected % AC: _____ I=(H/C) x 100

Sample % Moisture: _____ J

Date of Correction Factor (mm/dd/yyyy): _____

Ignition Oven Correction Factor %: _____ K

Corrected % AC: _____ L=(I-J+K)

Form 43 % AC (- / + 0.3)

MIN	MAX

Sample Information

Sampled From: _____

Supplier Ticket No: _____

Time Sampled: _____

Station: _____

Lane: _____

Daily Tons @ sample: _____

Sampling witnessed by: _____

Sample Tested By: _____

Bituminous Sample % Moisture

Pan ID: _____

Pan Weight (g): _____ A

Pan and Sample - Wet Weight (g): _____ B

Pan and Sample - Dry Weight (g): _____ C

Sample - Wet Weight (g): _____ D=(B-A)

Moisture Loss (g): _____ E=(B-C)

% Moisture: _____ F=(E/D) x 100

Maximum Specific Gravity

Flask ID:	_____
Mass of Dry Specimen (g):	_____ A
Mass of flask, water & lid (g):	_____ D
Mass of filled flask, specimen, & lid (g):	_____ E
Temperature of Water in flask (°F)	_____
(A+D)-E:	_____
Specific Gravity A/(A+D-E):	_____

Temperature of water must be 77°F. If not, correct results using Equation 2 in CP 51

SPECS: Individual flask SpG must be within 0.011 of each other

Average Specific Gravity: _____

Remarks: _____

Fractured Faces (FF)

Total weight (a)	_____	%FF = (b÷a) x 100	_____
Fractured aggregate weight (b)	_____		

This Owner Acceptance sample was taken with:

Dispute Sample:	_____	Central Lab Hamburg/French:	_____
Region 10K:	_____	Extra Lottman 1/2000 Tons:	_____
Central Lab 10K:	_____	IAT:	_____
AMPT:	_____	Other:	_____