



Government of the Peoples Republic of Bangladesh
Quality Control & Training Division, BRRL



DATA & REPORT SHEET

Memo No: LAB-25-10-15-03836-001-01

Date: 2025-10-15

Client : Comilla Road Division Lab Register No. : 08(B) 2025-2026.
Tender No. : 1139992 Contract No. : e-GP/02/CRD/LTM/2025-2026
Tracking Number : LAB-25-10-15-03836 Sample Sent By : Client
Project/Work Name : Repair of Pavement Providing Single Bituminous Surface Treatment Work at 1st Km (P), 2nd Km (P), 3rd Km (P), 4th Km (P), 5th Km (P), 7th Km (P) & 8th Km (P) of Companiganj-Muradnagar-Homna Road (Z-1205) under Road Division, Cumilla During the year 2025-2
Sample Collection From : From Stackyard Sample Source : Nill
Sample Sealing Status : Sealed Sample Collected By : EE (RHD)
Name of Test : BITUMEN ROUTINE TEST Test Code : BRRL
Item Name : Others
Test Method : ASTM
Associated Agency :
Date of sample receive : 12/10/2025 Date of Test : 14/10/2025
at Lab
Sample Description : Sample was supplied to the laboratory by Contractor's representative. Sample was carried in a pot. Amount of sample received is 7 kg approximately. Sample was sealed by Executive Engineer, RHD, Cumilla Road Division.
Test Performed By : Akram Hossen Test Supervised By : Sheikh Nafiur Nur Mousum
Assistant Research Officer

BITUMEN ROUTINE TEST

Name of the test	Unit	Result	Comments	Test Code	Spec 60/70	Spec 80/100
Penetration @25°C (100g, 5s)	0.1mm	64		ASTM D-5	60 - 70	80/100
Softening Point	°C	48		ASTM D-36	48 - 56	45 - 52
Ductility (@25°C)	CM	100		ASTM D-113	≥ 100cm	≥ 100cm
Loss on heating	%(of wt)	0.07		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	90.64		ASTM D-586	≥ 80	≥ 80
Flash point	°C	310		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.381				
Weight of Pycnometer +Water, B	gm	56.126				
Weight Pycnometer partially filled with Bitumen, C	gm	44.839				
Pycnometer+Bitmen+Water, D	gm	56.419				
Density of Water at 25 °C, G25	Kg/m ³	1000				
Temperature of Water (T); °C.	°C	25				
Density of Water at Temperature T °C(GT)	Kg/m ³	1000				
SP. Gravity=((C-A)/((B-A)-(D-C)))*(GT/G25)		1.0207				
Specific Gravity		1.0207				

Comment : Test was performed on the basis of supplied sample.

Test Performed By

16-Oct-2025

Akram Hossen
Assistant Research Officer(AC)
Quality Control & Training
Division, BRRL

Test Approved By

16-Oct-2025

Sheikh Nafiur Nur Mousum
Assistant Engineer
Quality Control & Training
Division, BRRL

Counter Signed By

16-Oct-2025

Jahangir Alam
Sub Divisional Engineer
Quality Control & Training
Division, BRRL

Counter Signed By

16-Oct-2025

Dewan Md. Abdul Kader
Executive Engineer(AC)
Quality Control & Training
Division, BRRL

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