



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



DATA & REPORT SHEET

Memo No: LAB-25-06-03-03804-001-01

Date: 2025-06-03

Client : Comilla Road Division
Tender No. : 1090442
Tracking Number : LAB-25-06-03-03804
Project/Work Name : Existing Pavement Repair & SBST work and Embankment Protective work by RCC Palisiding work at 1st (P) Km, 2nd km, 4th (P) km, 5th (P) km, 6th (P) km, 7th (P) km, 8th (P) km and 10th (P) km of Gouripur-Kachua-Hazigonj (Z-1044) Road, under Road Division Cu

Sample Collection From : From Stackyard
Sample Sealing Status : Sealed
Name of Test : BITUMEN ROUTINE TEST
Item Name : Others
Test Method : ASTM
Associated Agency : M/S. Liberty Traders, Dhaker Goan, Hasanpur College-3516, Daudkandi, Cumilla.
Date of sample receive : 27/05/2025
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, Road Division, Cumilla.

Lab Register No. : 131 (B) 2024-2025.
Contract No. : e-GP/69/CRD/LTM/2024-2025
Sample Sent By : Client
Sample Source : Nill
Sample Collected By : EE (RHD)
Test Code : BRRL
Date of Test : 29/05/2025

Test Performed By : Akram Hossen
Assistant Research Officer
Test Supervised By : Sheikh Nafiur Nur Mousum

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	67		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)	0.08		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	86.57		ASTM D-586	≥ 80	≥ 80
Flash point	°C	318		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.375				
Weight of Pycnometer +Water, B	gm	56.142				
Weight Pycnometer partially filled with Bitumen, C	gm	44.829				
Pycnometer+Bitmen+Water, D	gm	56.576				
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)		1.0310				
Specific Gravity		1.0310				

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

Test Performed By

03-Jun-2025

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

Test Approved By

03-Jun-2025

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

Counter Signed By

03-Jun-2025

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

Counter Signed By

03-Jun-2025

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