



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



DATA & REPORT SHEET

Memo No: LAB-25-10-28-03841-001-01

Date: 2025-10-28

Client : Feni Road Division
Tender No. : 880837
Lab Register No. : 13(B) 2025-2026.
Contract No. : eGP/PMP
Bridge/Noakhali/CZ-05/2023-2024.
Tracking Number : LAB-25-10-28-03841
Sample Sent By : Client
Project/Work Name : Construction of 82.07m (21.34m × 2 + 36.580 m) Long P.C Girder Rejumia Bridge at 19th km. (Ch. 18+100) of Feni (Mohammad Ali Bazar)-Chagalnaiya-Karerhat Road (Dhaka-Chattogram old Highway) (Z-1031) under Feni Road Division during the year 2023-2024.
Sample Collection From : From Stackyard
Sample Source : Nill
Sample Sealing Status : Sealed
Sample Collected By : EE (RHD)
Name of Test : BITUMEN ROUTINE TEST
Item Name : Others
Test Code : BRRL
Test Method : ASTM
Associated Agency : M/S. Nur Nabi, Kazirbag Feni.
Date of sample receive : 23/10/2025
Date of Test : 26/10/2025
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, Feni 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	60		ASTM D-5	60 - 70	80/100
Softening Point	°C	49		ASTM D-36	48 - 56	45 - 52
Ductility (@25°C)	CM	100		ASTM D-113	≥ 100cm	≥ 100cm
Loss on heating	%(of wt)	0.05		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	93.33		ASTM D-5&6	≥ 80	≥ 80
Flash point	°C	322		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.379				
Weight of Pycnometer +Water, B	gm	56.134				
Weight Pycnometer partially filled with Bitumen, C	gm	44.830				
Pycnometer+Bitmen+Water, D	gm	56.435				
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)		1.0213				
Specific Gravity		1.0213				

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

Test Performed By

28-Oct-2025

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

Test Approved By

28-Oct-2025

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

Counter Signed By

28-Oct-2025

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

Counter Signed By

28-Oct-2025

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

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