



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



DATA & REPORT SHEET

Memo No: LAB-25-05-15-03776-001-01

Date: 2025-05-15

Client : Feni Road Division
Tender No. : 1094483
Lab Register No. : 102 (B) 2024-2025.
Contract No. : eGP/Rev/LTM/Work/FRD-61/2024-2025
Tracking Number : LAB-25-05-15-03776
Sample Sent By : Client
Project/Work Name : Emergency Restoration of Damaged Road by Repair of Potholes, Seal Coat and Carpeting Work at 7th Km (p), 8th Km (p), 9th Km (p), 11th Km (p), 12th Km (p), 13th Km (p), 14th Km (p), of Feni-Sonagazi-Muhuri Project Road (Z-1034) under Road division Feni du
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 : Bhuiyan Enterprise, Rajapur Haque Super Market, Rajapur Bazar, Rajapur, Dagonbhuiyan, Feni.
Date of sample receive : 13/05/2025
Date of Test : 14/05/2025
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 Feni.
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	66		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)	0.06		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	86.36		ASTM D-586	≥ 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	30.385				
Weight of Pycnometer +Water, B	gm	56.147				
Weight Pycnometer partially filled with Bitumen, C	gm	44.836				
Pycnometer+Bitmen+Water, D	gm	56.617				
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)		1.0336				
Specific Gravity		1.0336				

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

Test Performed By

15-May-2025

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

Test Approved By

15-May-2025

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

Counter Signed By

15-May-2025

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

Counter Signed By

15-May-2025

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

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