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

DATA & REPORT SHEET

Memo No: LAB-25-06-03-03803-001-01 Date: 2025-06-03

Client	:	Comilla Road Dvision	Lab Register No.	:	130 (B) 2024-2025.
Tender No.	:	1090439	Contract No.	:	e-GP/68/CRD/LTM/2024-2025
Tracking Number	:	LAB-25-06-03-03803	Sample Sent By	:	Client
Project/Work Name	:	Existing Pavement Repair & SBST work and Embankment Protective work by RCC Palisiding work at 1st (P) Km, 2nd (P) km, 3rd (P) km, 6th (P) km, 7th (P) km, 10 (P) km, 11th (P) km, 13th (P) km and 14 (P) km of Baburhat-Matlab-Pennai(Z-1402) Road, under Road			
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 Confidence International, Shaktala Bapari Bari, Sadar Dhakin, Cumilla.			
Date of sample receive at Lab	:	27/05/2025	Date of Test	:	29/05/2025
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.			
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	63		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	%	88.89		ASTM D-5&6	≥ 80	≥ 80
Flash point	°C	315		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.370				
Weight of Pycnometer +Water, B	gm	56.138				
Weight Pycnometer partially filled with Bitumen, C	gm	44.825				
Pycnometer+Bitmen+Water, D	gm	56.437				
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)		1.0211				
Specific Gravity		1.0211				

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

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