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

DATA & REPORT SHEET

Memo No: LAB-25-02-20-03735-001-01 Date: 2025-02-20

Client	:	Feni Road Dvision	Lab Register No.	:	60 (B) 2024-2025.
Tender No.	:	1059440	Contract No.	:	e-GP/Rev/LTM/Work/FRD-31/2024-2025
Tracking Number	:	LAB-25-02-20-03735	Sample Sent By	:	Client
Project/Work Name	:	Emergency Carpeting and Seal Coat repair work at different km of Feni (Masterpara) Alokdia-Valukdia-Laskerhat-Chagalnaiya (Shantirhat) Road (Z-1134) under Feni Road Division during the year 2024-2025.			
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	:	Abdullah Enterprise, Feni Sadar, Feni.			
Date of sample receive at Lab	:	18/02/2025	Date of Test	:	19/02/2025
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, Feni .			
Test Performed By	:	Akram Hossen Assistant Research Officer	Test Supervised By	:	Mst. Rupali Khatun

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	322		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.454				
Weight of Pycnometer +Water, B	gm	55.189				
Weight Pycnometer partially filled with Bitumen, C	gm	45.765				
Pycnometer+Bitmen+Water, D	gm	55.503				
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)		1.0209				
Specific Gravity		1.0209				

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

Test Performed By	Test Approved By	Counter Signed By	Counter Signed By
20-Feb-2025	20-Feb-2025	20-Feb-2025	20-Feb-2025
Akram Hossen Assistant Research Officer (Additional Charge) Quality Control & Training Division, BRRL	Mst. Rupali Khatun Assistant Engineer (Additional Charge) Quality Control & Training Division, BRRL	Jahangir Alam Sub Divisional Engineer Quality Control & Training Division, BRRL	Shamima Yasmin Executive Engineer Quality Control & Training Division, BRRL

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