



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

DATA & REPORT SHEET



Memo No: LAB-25-03-06-03748-001-01

Date: 2025-03-06

Client : Madaripur Road Division
Tender No. : 1031645
Lab Register No. : 78 (B) 2024-2025.
Contract No. : E-GP/09/EE/MRD/PMP-Minor/2024-2025
Tracking Number : LAB-25-03-06-03748
Sample Sent By : Client
Project/Work Name : Seal Coat & Undulation, Depression Repair work at Ch. 12+150 to 12+250, Ch. 12+450 to 12+500, Ch. 12+600 to 12+650, Ch. 12+780 to 12+800, Ch. 13+000 to 13+300, Ch. 15+300 to 15+450 & Ch. 15+700 to 15+810 Km of Panchar-Shibchar-Madaripur (R-862) Road under
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 : Md. Zinnat Hossain Biswas, Kamlapur, Faridpur.
Date of sample receive : 02/03/2025
Date of Test : 03/03/2025
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, Madaripur Road Division, Madaripur .
Test Performed By : Akram Hossen
Test Supervised By : Mst. Rupali Khatun
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	85		ASTM D-5	60 - 70	80/100
Softening Point	°C	45		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	%	88.24		ASTM D-5&6	≥ 80	≥ 80
Flash point	°C	302		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.446				
Weight of Pycnometer +Water, B	gm	56.415				
Weight Pycnometer partially filled with Bitumen, C	gm	45.757				
Pycnometer+Bitmen+Water, D	gm	56.902				
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)		1.0329				
Specific Gravity		1.0329				

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

Test Performed By

06-Mar-2025

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

Test Approved By

06-Mar-2025

Mst. Rupali Khatun
Assistant Engineer (AC)
Quality Control & Training
Division, BRRL

Counter Signed By

06-Mar-2025

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

Counter Signed By

06-Mar-2025

Shamima Yasmin
Executive Engineer
Quality Control & Training
Division, BRRL