



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

DATA & REPORT SHEET



Memo No: LAB-25-09-25-03835-001-01

Date: 2025-09-25

Client : Comilla Road Division
Tender No. : 1071949
Tracking Number : LAB-25-09-25-03835
Project/Work Name : Strengthening of Existing Pavement, Construction of new pavement, DBS Base course, DBS Wearing Course, Rigid Pavement, Earth work in Road Embankment, Protective work by RCC Retaining Wall, Brick Toe wall, Cast-in-situ Palisiding, C.C block with Geo Textil
Sample Collection From : From Stackyard
Sample Sealing Status : Sealed
Name of Test : BITUMEN ROUTINE TEST
Item Name : Others
Test Method : ASTM
Associated Agency : Moshir Rahman Chowdhury, Address:212, Shahid Shamsul Haque Sarak, Jhawtala Cumilla.
Date of sample receive : 22/09/2025
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 5 kg approximately. Sample was sealed by Executive Engineer, RHD, Cumilla Road Division.
Test Performed By : Akram Hossen
Assistant Research Officer
Lab Register No. : 07(B) 2025-2026.
Contract No. : e-GP/CRD/ADP/EMRB/WP-02/2023-2024
Sample Sent By : Client
Sample Source : Nill
Sample Collected By : EE (RHD)
Test Code : BRRL
Date of Test : 23/09/2025
Test Supervised By : Sheikh Nafur 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	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	%	87.89		ASTM D-5&6	≥ 80	≥ 80
Flash point	°C	316		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.380				
Weight of Pycnometer +Water, B	gm	56.135				
Weight Pycnometer partially filled with Bitumen, C	gm	44.836				
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)		1.0212				
Specific Gravity		1.0212				

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

Test Performed By

28-Sep-2025

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

Test Approved By

28-Sep-2025

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

Counter Signed By

28-Sep-2025

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

Counter Signed By

28-Sep-2025

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