



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



DATA & REPORT SHEET

Memo No: LAB-25-12-22-03846-001-01

Date: 2025-12-22

Client : Bhola Road Division Lab Register No. : 23 (B) 2025-2026.
Tender No. : 1066585 Contract No. : 01/e-GP/PMP-Roads/Bho.RD/24-25
Tracking Number : LAB-25-12-22-03846 Sample Sent By : Client
Project/Work Name : Periodic Maintenance Programme (PMP) for Strengthening with Aggregate Base type-1, DBS-Base Course & DBS Wearing Course work at different location from Ch: 00+000 (Porantalukderhat) to Ch: 107+875 (Charmanika); (Working Location Ch:00+697 to Ch: 42+534, Le
Sample Collection From : From Stackyard Sample Source : Nill
Sample Sealing Status : Sealed Sample Collected By : EE (RHD)
Name of Test : BITUMEN ROUTINE TEST Test Code : BRRL
Item Name : Others
Test Method : ASTM
Associated Agency : M/S. Shahid Traders-Dhaly Construction Ltd. (JV), VIP Gate, Chadmari 11 no ward, Barishal.
Date of sample receive : 15/12/2025 Date of Test : 21/12/2025
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, Bhola Road Division.
Test Performed By : Akram Hossen Test Supervised By : Sheikh Nafur 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	65		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)	0.08		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	84.62		ASTM D-586	≥ 80	≥ 80
Flash point	°C	305		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.369				
Weight of Pycnometer +Water, B	gm	56.139				
Weight Pycnometer partially filled with Bitumen, C	gm	44.826				
Pycnometer+Bitmen+Water, D	gm	56.638				
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= $((C-A)/((B-A)-(D-C)))*(GT/G25)$		1.0358				
Specific Gravity		1.0358				

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

Test Performed By

22-Dec-2025

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

Test Approved By

22-Dec-2025

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

Counter Signed By

22-Dec-2025

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

Counter Signed By

22-Dec-2025

Shamima Yasmin
Executive Engineer
Quality Control & Training
Division, BRRL

This is a auto generated report by OLTMS system.