



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



DATA & REPORT SHEET

Memo No: LAB-26-10-14-03937-001-01

Date: 2026-10-14

Client : Barishal-2 Lab Register No. : 19 (B) 2026-2027.
Tender No. : 1177772 Contract No. : 18/e-GP/PMP-Major/BRD/2025-2026
Tracking Number : LAB-26-10-14-03937 Sample Sent By : Client
Project/Work Name : Periodic maintenance Programme (PMP) for DBS Wearing Course From Ch.: 170+830 (End of Dopdopeia Bridge Toll Plaza) to Ch: 172+971 Hiron Point) and Construction of "RCC U Drain" at Ch: 172+380 (End of Dopdopeia Bridge) to 172+800 (Culvert at Hiron Point)
Sample Collection From : From Stackyard Sample Source : Nill
Sample Sealing Status : Sealed Sample Collected By : SDE (RHD)
Name of Test : BITUMEN ROUTINE TEST Test Code : BRRL
Item Name : Others
Test Method : ASTM
Associated Agency : Khairul Kabir Rana, S.M.C Road Guptapara, Rangpur.
Date of sample receive : 12/10/2026 Date of Test : 12/10/2026
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 3 kg approximately. Sample was sealed by Sub-Divisional Engineer, RHD, Road Sub-Division-2 Barishal.
Test Performed By : Akram Hossen Test Supervised By : Mohammad Amir Hossen
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)	0.07		ASTM D-6	≤ 0.2	≤ 0.5
Penetration of residue from loss on heating test at 25°C, 100g, 5 Sec, as compared to penetration before heating	%	89.23		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	30.379				
Weight of Pycnometer +Water, B	gm	56.123				
Weight Pycnometer partially filled with Bitumen, C	gm	44.846				
Pycnometer+Bitmen+Water, D	gm	56.430				
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)		1.0217				
Specific Gravity		1.0217				

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

Test Performed By

14-Oct-2026

Akram Hossen

Assistant Research Officer
Quality Control & Training
Division, BRRL

Test Approved By

14-Oct-2026

Mohammad Amir Hossen

Assistant Engineer(CC)
Quality Control & Training
Division, BRRL

Counter Signed By

14-Oct-2026

Mohammad Amir Hossen

Sub Divisional Engineer(AC)
Quality Control & Training
Division, BRRL

Counter Signed By

14-Oct-2026

Dewan Abul Kashem
Mohammad Nahin Reza
Executive Engineer
Quality Control & Training
Division, BRRL

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