



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



DATA & REPORT SHEET

Memo No: LAB-26-03-31-03882-001-01

Date: 2026-03-31

Client : Lakshmipur Road Division Lab Register No. : 62 (B) 2025-2026.  
Tender No. : 1175825 Contract No. : eGP-11/OTM/LRD/PMP-Major-Road/2025-2026  
Tracking Number : LAB-26-03-31-03882 Sample Sent By : Client  
Project/Work Name : Periodic Maintenance Work (PMP) by DBS Wearing Course Including Strengthening by Aggregate Base Type-I, Protective work, Earth work, Construction of Rigid Pavement & Installation of Sign-signal at Ch. 10+673m. (Malir Bari Dorza) to 12+500m. (Ramgoti Bazar)  
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.A.H.CONSTRUCTION LTD. Address: 1307/2 East Monipur, Kafrul, Mirpur-10, Dhaka-1216, Bangladesh.  
Date of sample receive at Lab : 29/03/2026 Date of Test : 29/03/2026  
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, Road Division Laxmipur.  
Test Performed By : Akram Hossen Test Supervised By : Nahid Noman  
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	67		ASTM D-5	60 - 70	80/100
Softening Point	°C	48		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	%	82.09		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	30.374				
Weight of Pycnometer +Water, B	gm	56.129				
Weight Pycnometer partially filled with Bitumen, C	gm	44.836				
Pycnometer+Bitmen+Water, D	gm	56.437				
Density of Water at 25 °C, G25	Kg/m <sup>3</sup>	1000				
Temperature of Water (T); °C,	°C	25				
Density of Water at Temperature T °C( GT )	Kg/m <sup>3</sup>	1000				
SP. Gravity=((C-A)/((B-A)-(D-C)))*(GT/G25)		1.0218				
Specific Gravity		1.0218				

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

Test Performed By

31-Mar-2026

Akram Hossen

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

Test Approved By

31-Mar-2026

Nahid Noman

Assistant Engineer  
Quality Control & Training  
Division, BRRL

Counter Signed By

31-Mar-2026

Sheikh Nafur Nur Mousum

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

Counter Signed By

31-Mar-2026

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

This is a auto generated report by OLTMS system.