



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



DATA & REPORT SHEET

Memo No: LAB-26-03-31-03881-001-01

Date: 2026-03-31

Client : Lakshmipur Road Division
Tender No. : 1077782
Lab Register No. : 61 (B) 2025-2026.
Contract No. : eGP-63/OTM/LRD/PMP-Roads/2024-2025
Tracking Number : LAB-26-03-31-03881
Sample Sent By : Client
Project/Work Name : Periodic Maintenance Programme (PMP) work by Strengthening DBS Wearing Course & Rigid Pavement at Ch. 20+759m (Norinpur) to Ch. 29+513m (Sonapur Chowrasta) of Muddafarganj-Chitosi-Ramganj Road (R-1407) under Laxmipur Road Division during the year 2024-202
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 : M/S Selim, & Brothers and Noor-Zaman Engineering Foundation JVI, Address: 19/B, Uttar Tolarbag (1st floor), Mirpur-01, Dhaka-1216, Bangladesh.
Date of sample receive : 29/03/2026
Date of Test : 29/03/2026
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 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	62		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)	0.09		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	88.71		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	30.378				
Weight of Pycnometer +Water, B	gm	56.131				
Weight Pycnometer partially filled with Bitumen, C	gm	44.828				
Pycnometer+Bitmen+Water, D	gm	56.572				
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= $\frac{(C-A)}{(B-A)-(D-C)} \times (GT/G25)$		1.0315				
Specific Gravity		1.0315				

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 Nafiur 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

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