



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

DATA & REPORT SHEET

Memo No: LAB-25-12-28-03848-001-01

Date: 2025-12-28

Client : Chandpur Road Division
Tender No. : 1053932
Tracking Number : LAB-25-12-28-03848
Project/Work Name : Periodic Maintenance Programme (PMP) for Profile Correction, DBS Wearing Course and Road Marking Work at Start Ch. 38+950 to End Ch: 60+950 of Matlab-Meghna-Dhonagoda Berribadh Road (Z-1069) under Road Division, Chandpur during the year 2024-2025.
Sample Collection From : From Stackyard
Sample Sealing Status : Sealed
Name of Test : BITUMEN ROUTINE TEST
Item Name : Others
Test Method : ASTM
Associated Agency : Oyester Construction and shipping Company Ltd. House No-24, Road-20, Sector-03, Uttara Model Town, Dhaka-1230.
Date of sample receive : 22/12/2025
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, Road Division Chandpur.
Test Performed By : Akram Hossen
Assistant Research Officer
Lab Register No. : 28(B) 2025-2026.
Contract No. : e-GP/CRD/EE/PMP Road /OSTETM/01/2024-2025
Sample Sent By : Client
Sample Source : Nill
Sample Collected By : EE (RHD)
Test Code : BRRL
Date of Test : 23/12/2025
Test Supervised By : Sheikh Nafiur 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	60		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)	0.05		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	88.33		ASTM D-5&6	≥ 80	≥ 80
Flash point	°C	310		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	56.133				
Weight Pycnometer partially filled with Bitumen, C	gm	44.840				
Pycnometer+Bitmen+Water, D	gm	56.423				
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= $\frac{(C-A)}{(B-A)-(D-C)} \times (GT/G25)$		1.0205				
Specific Gravity		1.0205				

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

Test Performed By

28-Dec-2025

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

Test Approved By

28-Dec-2025

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

Counter Signed By

28-Dec-2025

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

Counter Signed By

28-Dec-2025

Shamima Yasmin
Executive Engineer
Quality Control & Training
Division, BRRL

This is a auto generated report by OLTMS system.