



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



DATA & REPORT SHEET

Memo No: LAB-26-02-03-03863-001-01

Date: 2026-02-03

Client : Dhaka Road Division
Tender No. : 1060134
Lab Register No. : 45 (B) 2025-2026.
Contract No. : e-GP/01/PMP-Road/EE/DRD/2024-2025
Tracking Number : LAB-26-02-03-03863
Sample Sent By : Client
Project/Work Name : Periodic Maintenance Programme for Strengthening, DBS. Base Course & DBS Wearing Course at Ch.0+000m (Postogola) to 0+200m, 3+665m (Taltola) to 9+950m (Chasara) of Postogola-Chashara Road (N-532) under Dhaka Road Division During the year 2024-2025.
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 : Md. Moyenuddin (Bashi) Limited, 07, H.M.M Road, Doratana, Jeshore7400.
Date of sample receive : 29/01/2026
Date of Test : 01/02/2026
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, Dhaka Road Division.
Test Performed By : Akram Hossen
Test Supervised By : Sheikh Nafiur 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 | 69 | | 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 | % | 85.51 | | 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 | 30.374 | | | | |
| Weight of Pycnometer +Water, B | gm | 56.125 | | | | |
| Weight Pycnometer partially filled with Bitumen, C | gm | 44.851 | | | | |
| 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=((C-A)/{(B-A)-(D-C)})*(GT/G25) | | 1.0210 | | | | |
| Specific Gravity | | 1.0210 | | | | |

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

Test Performed By

03-Feb-2026

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

Test Approved By

03-Feb-2026

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

Counter Signed By

03-Feb-2026

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

Counter Signed By

03-Feb-2026

Shamima Yasmin
Executive Engineer
Quality Control & Training
Division, BRRL

This is a auto generated report by OLTMS system.