



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



DATA & REPORT SHEET

Memo No: LAB-26-05-05-03901-001-01

Date: 2026-05-05

Client : Feni Road Division Lab Register No. : 84 (B) 2025-2026.
Tender No. : 1224000 Contract No. : eGP/Rev/OTM/PWork/FRD-26/2025-2026
Tracking Number : LAB-26-05-05-03901 Sample Sent By : Client
Project/Work Name : Emergency Restoration of Damaged Pavement by Potholes repair, Partial Base by Base Type-1, Carpeting, Seal Coat and Protective Work at 11th Km (P) and 12th Km (P) of Feni Sadar (Elahigonj)-Rajapur-Koriashmunshi-Daganbhuiyan (Tulatali) Road (Z-1030) under
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 : PEU Enterprise, Tarashi, Kotalipara, Gopalganj.
Date of sample receive : 03/05/2026 Date of Test : 04/05/2026
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, Feni 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 |
| Penetration of residue from loss on heating test at 25°C, 100g, 5 Sec, as compared to penetration before heating | % | 84.06 | | ASTM D-5&6 | ≥ 80 | ≥ 80 |
| Flash point | °C | 306 | | 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 | 56.126 | | | | |
| Weight Pycnometer partially filled with Bitumen, C | gm | 44.832 | | | | |
| Pycnometer+Bitmen+Water, D | gm | 56.431 | | | | |
| 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= $((C-A)/((B-A)-(D-C)))*(GT/G25)$ | | 1.0216 | | | | |
| Specific Gravity | | 1.0216 | | | | |

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

Test Performed By

06-May-2026

Akram Hossen

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

Test Approved By

06-May-2026

Sheikh Nafiur Nur Mousum

Assistant Engineer
Quality Control & Training
Division, BRRL

Counter Signed By

06-May-2026

Mahbuba Akter

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

Counter Signed By

06-May-2026

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

This is a auto generated report by OLTMS system.