



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



DATA & REPORT SHEET

Memo No: LAB-26-02-17-03871-001-01

Date: 2026-02-17

Client : Comilla Road Division Lab Register No. : 51 (B) 2025-2026.
Tender No. : 1107350 Contract No. : e-GP/90/PMPBridge/CRD/OTM/2024-2025
Tracking Number : LAB-26-02-17-03871 Sample Sent By : Client
Project/Work Name : Construction of 37.920m (1×36.580) Long P.C Girder Bridge (Chapitala) Bridge at 7th km. (Ch.6+850) of Companiganj-Nabinagar Road (Z-1206) under Road Division, Cumilla, during the year 2024-2025.
Sample Collection From : From Stackyard Sample Source : Null
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 : Orient Trading & Builders Ltd. House No. 80, Flat No. 6B, Road No.02, Chairmanbari, Banani, Dhaka-1213.
Date of sample receive at Lab : 10/02/2026 Date of Test : 15/02/2026
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, Cumilla Road Division.
Test Performed By : Akram Hossen Test Supervised By : Sheikh Nafiu 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	70		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)	0.07		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	82.86		ASTM D-586	≥ 80	≥ 80
Flash point	°C	305		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.371				
Weight of Pycnometer +Water, B	gm	56.140				
Weight Pycnometer partially filled with Bitumen, C	gm	44.829				
Pycnometer+Bitmen+Water, D	gm	56.308				
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= $((C-A)/((B-A)-(D-C)))*(GT/G25)$		1.0118				
Specific Gravity		1.0118				

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

Test Performed By

17-Feb-2026

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

Test Approved By

17-Feb-2026

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

Counter Signed By

17-Feb-2026

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

Counter Signed By

17-Feb-2026

Shamima Yasmin
Executive Engineer
Quality Control & Training
Division, BRRL

This is a auto generated report by OLTMS system.