



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



DATA & REPORT SHEET

Memo No: LAB-26-01-07-03851-001-01

Date: 2026-01-07

Client : Comilla Road Division Lab Register No. : 31(B) 2025-2026.  
Tender No. : 1027798 Contract No. : e-GP/CRD/ADP/EMRB/WP-01/2023-24  
Tracking Number : LAB-26-01-07-03851 Sample Sent By : Client  
Project/Work Name : Strengthening of Existing Pavement, DBS Base Course, DBS Wearing Course, Rigid Pavement,  
Construction of R.C.C Girder Bridge, Construction of P.C Girder Bridge, Construction of R.C.C Box Culvert,  
Earth work in Road Embankment, Protective work by Retaining  
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 : Oyester Construction and shipping Company Ltd. Turna Enterprise (Pvt) Ltd. (JV), House No-24, Road-20,  
Sector-03, Uttara Model Town, Dhaka-1230.  
Date of sample receive : 30/12/2025 Date of Test : 04/01/2026  
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 7 kg approximately. Sample was sealed by Executive Engineer, RHD, Road Division  
Cumilla.  
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	65		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)	0.07		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	89.24		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	30.376				
Weight of Pycnometer +Water, B	gm	56.137				
Weight Pycnometer partially filled with Bitumen, C	gm	44.831				
Pycnometer+Bitmen+Water, D	gm	56.440				
Density of Water at 25 °C, G25	Kg/m <sup>3</sup>	1000				
Temperature of Water (T); °C,	°C	25				
Density of Water at Temperature T °C( GT )	Kg/m <sup>3</sup>	1000				
SP. Gravity=((C-A)/{(B-A)-(D-C)})*(GT/G25)		1.0214				
Specific Gravity		1.0214				

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

Test Performed By

08-Jan-2026

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

Test Approved By

08-Jan-2026

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

Counter Signed By

08-Jan-2026

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

Counter Signed By

08-Jan-2026

Shamima Yasmin  
Executive Engineer  
Quality Control & Training  
Division, BRRL

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