



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



DATA & REPORT SHEET

Memo No: LAB-26-08-03-03924-001-01

Date: 2026-08-03

Client : Bandarban Road Division Lab Register No. : 05 (B) 2026-2027
Tender No. : 974719 Contract No. : e-GP/SE/RANA/PMP
Bridge/BRD/04/2023-2024.
Tracking Number : LAB-26-08-03-03924 Sample Sent By : Client
Project/Work Name : Construction of 31.828m (Ch. 1x30.488m) long P.C Girder Bridge over Moynatoli Khal (Moynatoli Bridge) at 5th km (Ch. 04+867.50m) of Bandarban-Rowangchari-Ruma Road (Z-1813) under Badarban Road Division during the year 2023-2024.
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 : Rimi Nirman Ltd. Address: Online Fagun, House # 279/6, Mirpur DOHS Road, Mainkdi, Dhaka Cantonment, Dhaka.
Date of sample receive : 30/07/2026 Date of Test : 03/08/2026
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, Road Division Badarban.
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	63		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)	0.09		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	%	88.89		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	30.370				
Weight of Pycnometer +Water, B	gm	56.143				
Weight Pycnometer partially filled with Bitumen, C	gm	44.825				
Pycnometer+Bitmen+Water, D	gm	56.312				
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

03-Aug-2026

Akram Hossen

Test Approved By

03-Aug-2026

Sheikh Nafiur Nur Mousum

Counter Signed By

03-Aug-2026

Sheikh Nafiur Nur Mousum

Counter Signed By

03-Aug-2026

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

Assistant Research Officer
Quality Control & Training
Division, BRRL

Assistant Engineer
Quality Control & Training
Division, BRRL

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

This is a auto generated report by OLTMS system.