



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

DATA & REPORT SHEET

Memo No: LAB-26-03-01-03876-001-01

Date: 2026-03-01

Client : Narayanganj Road Division Lab Register No. : 56(B) 2025-2026.  
Tender No. : 1172759, 1189449 Contract No. : 07/Contract/e-GP/EE/NRD/2025-2026,  
16/Contract/e-GP/EE/NRD/2025-2026  
Tracking Number : LAB-26-03-01-03876 Sample Sent By : Client  
Project/Work Name : Estimate for Reconstruction Work of Damaged Pavement at 7th (P) km & 8th (P) km of Madanpur-  
Madanganj-Sayedpur Road (R-113) under Narayanganj Road Division During the FY 2025-2026. Tender  
Package No: , TID No: & Tender Package No: , TID No: .  
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 : M/S. Hasmat & Brothers.Address: Pukurpar, Borobari, Siddhirgonj, Narayanganj.  
Date of sample receive : 24/02/2026 Date of Test : 25/02/2026  
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, Narayanganj  
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	68		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	%	85.29		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	30.375				
Weight of Pycnometer +Water, B	gm	56.130				
Weight Pycnometer partially filled with Bitumen, C	gm	44.852				
Pycnometer+Bitmen+Water, D	gm	56.579				
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)		1.0320				
Specific Gravity		1.0320				

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

Test Performed By

01-Mar-2026

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

Test Approved By

01-Mar-2026

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

Counter Signed By

01-Mar-2026

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

Counter Signed By

01-Mar-2026

Shamima Yasmin  
Executive Engineer  
Quality Control & Training  
Division, BRRL

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