



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



DATA & REPORT SHEET

Memo No: LAB-25-08-25-03825-001-01

Date: 2025-08-25

Client : Narayanganj Road Division Lab Register No. : 01(B) 2025-2026.
Tender No. : 1031336 Contract No. : Nill
Tracking Number : LAB-25-08-25-03825 Sample Sent By : Client
Project/Work Name : Construction of 07 Nos Toll booths with Canopy (over 06 nos Toll booth), Axle load control station,
Foundation of 01 new Static weight scale, Boundary Wall and Widening of Road by Flexible Pavement &
Rigid pavement with Ancillary work at Daudkandi Toll PI
Sample Collection From : From Stackyard Sample Source : Nill
Sample Sealing Status : Sealed Sample Collected By : EE (RHD)
Name of Test : BITUMEN ROUTINE TEST
Item Name : Others Test Code : BRRL
Test Method : ASTM
Associated Agency : NAKSHI STEEL BUILDING LIMITED-M/S ISMAIL HOSSAIN-JV. Address: House # 57, Road # 04, Flat # 06,
Block # C, Banani, Dhaka-1213.
Date of sample receive : 12/08/2025 Date of Test : 17/08/2025
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,
Narayanganj.
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)	0.09		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	86.96		ASTM D-586	≥ 80	≥ 80
Flash point	°C	318		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	56.141				
Weight Pycnometer partially filled with Bitumen, C	gm	44.830				
Pycnometer+Bitmen+Water, D	gm	56.641				
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)		1.0358				
Specific Gravity		1.0358				

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

Test Performed By

25-Aug-2025

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

Test Approved By

25-Aug-2025

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

Counter Signed By

25-Aug-2025

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

Counter Signed By

25-Aug-2025

Dewan Md. Abdul Kader
Executive Engineer(AC)
Quality Control & Training
Division, BRRL