



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



DATA & REPORT SHEET

Memo No: LAB-26-01-29-03859-001-01

Date: 2026-01-29

Client : Munshiganj Road Division Lab Register No. : 40 (B) 2025-2026.  
Tender No. : 1174999 Contract No. : 20/e-GP/EE/MRD/2025-2026  
Tracking Number : LAB-26-01-29-03859 Sample Sent By : Client  
Project/Work Name : Maintenance Work by Aggregate Base Type-I, Premix Bituminous Carpeting, Seal Coat and Protective work at 20th km (Sonarong) of Fatullah-Munshiganj-Louhajong-Mawa Road (R-812) under Munshiganj Road Division during the year 2025-2026.  
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 : Sapna Construction Ltd. 230/1-A, Road-6-7, Tilpapara, Khilgoan, Dhaka-1219.  
Date of sample receive at Lab : 25/01/2026 Date of Test : 26/01/2026  
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 Munshiganj.  
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)	0.09		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	81.43		ASTM D-586	≥ 80	≥ 80
Flash point	°C	290		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	56.133				
Weight Pycnometer partially filled with Bitumen, C	gm	44.826				
Pycnometer+Bitmen+Water, D	gm	56.308				
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= $((C-A)/((B-A)-(D-C)))*(GT/G25)$		1.0123				
Specific Gravity		1.0123				

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

Test Performed By

01-Feb-2026

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

Test Approved By

01-Feb-2026

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

Counter Signed By

01-Feb-2026

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

Counter Signed By

01-Feb-2026

Shamima Yasmin  
Executive Engineer  
Quality Control & Training  
Division, BRRL

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