



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

DATA & REPORT SHEET

Memo No: LAB-26-04-12-03885-001-01

Date: 2026-04-12

Client : Munshiganj Road Division Lab Register No. : 65 (B) 2025-2026.
Tender No. : 1231133 Contract No. : 50/e-GP/EE/MRD/2025-2026
Tracking Number : LAB-26-04-12-03885 Sample Sent By : Client
Project/Work Name : Maintenance work by pothols repair, Aggregate base type-1, carpeting with seal coat work at 9th km (P), 10th km & 11h km (P) of Dohar-Kartickpur-Balirtek Road (7-8209) 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 : Tanvir Construction, Address North Islampur, World-07, Munshiganj Sadar.Munshiganj. P.S: Munshiganj-1500.
Date of sample receive : 08/04/2026 Date of Test : 09/04/2026
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 Munshiganj.
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	%	80.43		ASTM D-5&6	≥ 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	30.381				
Weight of Pycnometer +Water, B	gm	56.131				
Weight Pycnometer partially filled with Bitumen, C	gm	44.837				
Pycnometer+Bitmen+Water, D	gm	56.302				
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)		1.0120				
Specific Gravity		1.0120				

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

Test Performed By

12-Apr-2026

Akram Hossen

Test Approved By

12-Apr-2026

Sheikh Nafiur Nur Mousum

Counter Signed By

12-Apr-2026

Sheikh Nafiur Nur Mousum

Counter Signed By

12-Apr-2026

Dewan Abul Kashem
Mohammad Nahin Reza
Executive Engineer
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