



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

DATA & REPORT SHEET



Memo No: LAB-26-08-02-03923-001-01

Date: 2026-08-02

Client : Munshiganj Road Division Lab Register No. : 04 (B) 2026-2027.
Tender No. : 1178829 Contract No. : 70/e-Gp/EE/MRD/2025-2026.
Tracking Number : LAB-26-08-02-03923 Sample Sent By : Client
Project/Work Name : Periodic Maintenance Programme (PMP) work of Existing Pavement by Aggregate Base Type-I, DBS Base Course, DBS Wearing Course, Construction of Rigid Pavement and Protective work etc. at Ch:00+000 (Dohar Petrol Pump) to Ch: 12+000 (Tikorpur) of Dohar-Katakh
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 : Orient Trading & Builders Ltd. House #80, Level-06, Road #02, Chairmanbari, Banani, Dhaka-1213.
Date of sample receive : 29/07/2026 Date of Test : 30/07/2026
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 3 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	67		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)	0.07		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	%	83.58		ASTM D-5&6	≥ 80	≥ 80
Flash point	°C	305		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.378				
Weight of Pycnometer +Water, B	gm	56.129				
Weight Pycnometer partially filled with Bitumen, C	gm	44.837				
Pycnometer+Bitmen+Water, D	gm	56.426				
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= $\frac{(C-A)}{(B-A)-(D-C)} \times (GT/G25)$		1.0210				
Specific Gravity		1.0210				

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

Test Performed By

02-Aug-2026

Akram Hossen

Assistant Research Officer
Quality Control & Training
Division, BRRL

Test Approved By

02-Aug-2026

Sheikh Nafiur Nur Mousum

Assistant Engineer
Quality Control & Training
Division, BRRL

Counter Signed By

02-Aug-2026

Sheikh Nafiur Nur Mousum

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

Counter Signed By

02-Aug-2026

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

This is a auto generated report by OLTMS system.