



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



DATA & REPORT SHEET

Memo No: LAB-26-03-05-03878-001-01

Date: 2026-03-05

Client : Manikganj Road Division Lab Register No. : 58 (B) 2025-2026.
Tender No. : 1172423 Contract No. : 23/e-GP/EE/Mkg Rd/2025-2026
Tracking Number : LAB-26-03-05-03878 Sample Sent By : Client
Project/Work Name : Pavement Repair by DBS Wearing Course & HBB work at 3rd km (P) (adjacent to Baipail Bridge) of Nabinagar-EPZ-Kaliakoir (Chandra) Road (N-540) Road under Manikganj 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 : M/S Roney Enterprise, Bisic Industrial Area, Rajbari.
Date of sample receive : 03/03/2026 Date of Test : 04/03/2026
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 7 kg approximately. Sample was sealed by Executive Engineer, RHD, Road Division Manikganj.
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	%	82.61		ASTM D-586	≥ 80	≥ 80
Flash point	°C	302		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.387				
Weight of Pycnometer +Water, B	gm	56.122				
Weight Pycnometer partially filled with Bitumen, C	gm	44.842				
Pycnometer+Bitmen+Water, D	gm	56.565				
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= $((C-A)/((B-A)-(D-C)))*(GT/G25)$		1.0316				
Specific Gravity		1.0316				

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

Test Performed By

05-Mar-2026

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

Test Approved By

05-Mar-2026

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

Counter Signed By

05-Mar-2026

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

Counter Signed By

05-Mar-2026

Shamima Yasmin
Executive Engineer
Quality Control & Training
Division, BRRL

This is a auto generated report by OLTMS system.