



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

DATA & REPORT SHEET

Memo No: LAB-26-02-23-03872-001-01

Date: 2026-02-23

Client : Manikganj Road Division Lab Register No. : 52 (B) 2025-2026.
Tender No. : 1172630 Contract No. : 22/e-GP/EE/Mkg.Rd/2025-2026
Tracking Number : LAB-26-02-23-03872 Sample Sent By : Client
Project/Work Name : Partial Re-Construction of Flexible Pavement at 2nd km (p) & 3rd km (p), of Uthuli- Aricha National Highway (N-503) 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
Item Name : Others Test Code : BRRL
Test Method : ASTM
Associated Agency : M/S. R.P Construction Co. Address: House # 32/A, Navana Garden, Kallanpur, Dhaka.
Date of sample receive : 18/02/2026 Date of Test : 19/02/2026
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, Manikganj Road Division.
Test Performed By : Akram Hossen Test Supervised By : Sheikh Nafur 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	66		ASTM D-5	60 - 70	80/100
Softening Point	°C	49		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	%	87.88		ASTM D-5&6	≥ 80	≥ 80
Flash point	°C	315		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.372				
Weight of Pycnometer +Water, B	gm	56.136				
Weight Pycnometer partially filled with Bitumen, C	gm	44.834				
Pycnometer+Bitmen+Water, D	gm	56.425				
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= $((C-A)/((B-A)-(D-C)))*(GT/G25)$		1.0204				
Specific Gravity		1.0204				

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

Test Performed By

23-Feb-2026

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

Test Approved By

23-Feb-2026

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

Counter Signed By

23-Feb-2026

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

Counter Signed By

23-Feb-2026

Shamima Yasmin
Executive Engineer
Quality Control & Training
Division, BRRL

This is a auto generated report by OLTMS system.