



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

DATA & REPORT SHEET



Memo No: LAB-25-02-24-03739-001-01

Date: 2025-02-24

Client : DHAKA DIVISION Lab Register No. : 64(B) 2024-2025.
Tender No. : 1036536 Contract No. : e-GP/15/EE/DRD/2024-2025
Tracking Number : LAB-25-02-24-03739 Sample Sent By : Client
Project/Work Name : Repairing of Pavement by Premix Bituminous Carpeting and Double Bituminous Surface Treatment (DBST)
Work at 6th km (p) & 7th km (p) (Ch. 5+150m to 6+650m) of Jatrabari-Demra-Shimrail-Narayangonj
(Chasara) Road (R-110) Under Dhaka Road Division during the
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 Bhuiya Construction, House No-80, Bashail, Narshindi Sader, Narshindi.
Date of sample receive : 20/02/2025 Date of Test : 23/02/2025
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, Dhaka Road
Division, Dhaka.
Test Performed By : Akram Hossen Test Supervised By : Mst. Rupali Khatun
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	99		ASTM D-5	60 - 70	80/100
Softening Point	°C	45		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	%	81.82		ASTM D-586	≥ 80	≥ 80
Flash point	°C	300		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.377				
Weight of Pycnometer +Water, B	gm	55.185				
Weight Pycnometer partially filled with Bitumen, C	gm	44.810				
Pycnometer+Bitmen+Water, D	gm	55.364				
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)		1.0126				
Specific Gravity		1.0126				

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

Test Performed By

25-Feb-2025

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

Test Approved By

25-Feb-2025

Mst. Rupali Khatun
Assistant Engineer
(Additional Charge)
Quality Control & Training
Division, BRRL

Counter Signed By

25-Feb-2025

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

Counter Signed By

25-Feb-2025

Shamima Yasmin
Executive Engineer
Quality Control & Training
Division, BRRL