



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



DATA & REPORT SHEET

Memo No: LAB-25-02-16-03734-001-01

Date: 2025-02-16

Client : Brahmanbaria Road Division Lab Register No. : 59 (B) 2024-2025.
Tender No. : 963992 Contract No. : e-gp/PMPRoad/Brahmanbaria/CRC-02/2023-24
Tracking Number : LAB-25-02-16-03734 Sample Sent By : Client
Project/Work Name : Periodic Maintenance Programme for Maintenance work by Repair & Elimination of Level difference at Hard Shoulder at Ch.68+240m to Ch. 70+285m & Wearing Course Work at Ch.68+240m to Ch.71+600m of Cumilla (Mainamati)- Brahmanbaria (Sarail) Road (N-102) unde
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. Mostafa Kamal, Address: Niaz Park, Kawtali, Brahmanbaria
Date of sample receive : 11/02/2025 Date of Test : 13/02/2025
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 7 kg approximately. Sample was sealed by Executive Engineer, RHD, Road Division, Brahmanbaria .
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	68		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)	0.08		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	89.71		ASTM D-5&6	≥ 80	≥ 80
Flash point	°C	320		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.177				
Weight of Pycnometer +Water, B	gm	56.423				
Weight Pycnometer partially filled with Bitumen, C	gm	45.335				
Pycnometer+Bitmen+Water, D	gm	56.722				
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)		1.0201				
Specific Gravity		1.0201				

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

Test Performed By

16-Feb-2025

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

Test Approved By

16-Feb-2025

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

Counter Signed By

16-Feb-2025

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

Counter Signed By

16-Feb-2025

Shamima Yasmin
Executive Engineer
Quality Control & Training
Division, BRRL

This is a auto generated report by OLTMS system.