



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

DATA & REPORT SHEET



Memo No: LAB-25-03-06-03747-001-01

Date: 2025-03-06

Client : Gazipur Road Division
Tender No. : 994844
Tracking Number : LAB-25-03-06-03747
Project/Work Name : Periodic Maintenance Programme for Double Bituminous Surface Treatment (DBST) Work at Ch.13+500m to 22+500m, Ch. 24+000 to 27+000m & Ch. 31+000m to 34+800m of Mawna-Sreepur-Gosingha-Kapasias-Aral-Sanmania-Hatirdia Road (R-313) under Gazipur Road Division d

Sample Collection From : From Stackyard
Sample Sealing Status : Sealed
Name of Test : BITUMEN ROUTINE TEST
Item Name : Others
Test Method : ASTM
Associated Agency : Rimi Nirman Ltd, Online Fagun, House# 279/6, Mirpur DOHS Road, Manikdi, Dhaka Cantonment, (4th Floor), Dhaka-1206, Bangladesh.

Date of sample receive : 02/03/2025
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, Gazipur .

Test Performed By : Akram Hossen
Assistant Research Officer

Lab Register No. : 77 (B) 2024-2025.
Contract No. : 03/e-GP/PMP/SE/DRC/2024-2025
Sample Sent By : Client
Test Code : BRRL
Sample Source : Nill
Sample Collected By : EE (RHD)
Date of Test : 03/03/2025
Test Supervised By : Mst. Rupali Khatun

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	65		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)	0.06		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	87.69		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	30.170				
Weight of Pycnometer +Water, B	gm	56.119				
Weight Pycnometer partially filled with Bitumen, C	gm	45.328				
Pycnometer+Bitmen+Water, D	gm	56.417				
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

06-Mar-2025

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

Test Approved By

06-Mar-2025

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

Counter Signed By

06-Mar-2025

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

Counter Signed By

06-Mar-2025

Shamima Yasmin
Executive Engineer
Quality Control & Training
Division, BRRL