



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



DATA & REPORT SHEET

Memo No: LAB-26-05-21-03912-001-01

Date: 2026-05-21

Client : Gazipur Road Division Lab Register No. : 94(B) 2025-2026.  
Tender No. : 1225914 Contract No. : e-GP 35/GRD/Minor/2025-2026  
Tracking Number : LAB-26-05-21-03912 Sample Sent By : Client  
Project/Work Name : Estimate for Single Bituminous Surface Treatment (SBST) and Repair by Carpeting with Seal coat work including ancillary works at 7th km (p), 8th km (p), 9th km (p), 10th km (p), 11th km (p), 12th km (p), 13th km (p) & 14th km (p) of Lakpuraral-Kamargaon-  
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 : Md. Saidur Rahman, 19/7 Kalampur, Faridpur.  
Date of sample receive : 20/05/2026 Date of Test : 20/05/2026  
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 Gazipur.  
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	70		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)	0.08		ASTM D-6	≤ 0.2	≤ 0.5
Penetration of residue from loss on heating test at 25°C, 100g, 5 Sec, as compared to penetration before heating	%	81.43		ASTM D-5&6	≥ 80	≥ 80
Flash point	°C	295		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.379				
Weight of Pycnometer +Water, B	gm	56.126				
Weight Pycnometer partially filled with Bitumen, C	gm	44.836				
Pycnometer+Bitmen+Water, D	gm	56.421				
Density of Water at 25 °C, G25	Kg/m <sup>3</sup>	1000				
Temperature of Water (T); °C,	°C	25				
Density of Water at Temperature T °C( GT )	Kg/m <sup>3</sup>	1000				
SP. Gravity= $\frac{(C-A)}{(B-A)-(D-C)} \times (GT/G25)$		1.0208				
Specific Gravity		1.0208				

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

Test Performed By

23-May-2026

Akram Hossen

Test Approved By

23-May-2026

Sheikh Nafiur Nur Mousum

Counter Signed By

23-May-2026

Mahbuba Akter

Counter Signed By

23-May-2026

Dewan Abul Kashem  
Mohammad Nahin Reza  
Executive Engineer  
Quality Control & Training  
Division, BRRL

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

Assistant Engineer  
Quality Control & Training  
Division, BRRL

Sub Divisional Engineer(AC)  
Quality Control & Training  
Division, BRRL

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