



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

DATA & REPORT SHEET



Memo No: LAB-25-03-06-03746-001-01

Date: 2025-03-06

Client : Dhaka, Banani
Tender No. : 1059984
Tracking Number : LAB-25-03-06-03746
Project/Work Name : Repair of Damaged Pavement by DBS Base Course and Maintenance with SBST Work at 1st (P) km of R-504 to Horindhora Link Road (Z-5044) under Dhaka Road Division during the year 2024-2025.
Sample Collection From : From Stackyard
Sample Sealing Status : Sealed
Name of Test : BITUMEN ROUTINE TEST
Item Name : Others
Test Method : ASTM
Associated Agency : Ambar Mita Consortium, 145, Monipuripara, Tejgaon, Dhaka.
Date of sample receive : 27/02/2025
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
Assistant Research Officer
Lab Register No. : 75(B) 2024-2025.
Contract No. : e-GP/LTM-09/EE/DRD/2024-2025
Sample Sent By : Client
Sample Source : Nill
Sample Collected By : EE (RHD)
Test Code : BRRL
Date of Test : 02/03/2025
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	66		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)	0.07		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	86.36		ASTM D-5&6	≥ 80	≥ 80
Flash point	°C	318		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.375				
Weight of Pycnometer +Water, B	gm	55.184				
Weight Pycnometer partially filled with Bitumen, C	gm	44.809				
Pycnometer+Bitmen+Water, D	gm	55.333				
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)		1.0104				
Specific Gravity		1.0104				

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