



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



DATA & REPORT SHEET

Memo No: LAB-26-03-01-03875-001-01

Date: 2026-03-01

Client : Hi-tech City-2 Project, Bangladesh Hi-tech park Authority
Tender No. : Nill
Tracking Number : LAB-26-03-01-03875
Project/Work Name : Internal Road works of Block (4, 4-A & 7) & Culvert Works at Hi-Tech City-2 Project, Kaliakoir, Gazipur
Sample Collection From : From Stackyard
Sample Sealing Status : Sealed
Name of Test : BITUMEN ROUTINE TEST
Item Name : Others
Test Method : ASTM
Associated Agency : M/S Shagor Info, Builders Ltd.
Date of sample receive at Lab : 24/02/2026
Sample Description : Sample was supplied to the laboratory by Contractor's representative. Sample was carried in a pot. Amount of sample received is 8 kg approximately. Sample was sealed by Project Director, Hi-tech City-2 Project, Bangladesh Hi-tech park Authority, ICT Tower, Agargaon, Dhaka-1207.
Test Performed By : Akram Hossen Assistant Research Officer
Lab Register No. : 55 (B) 2025-2026.
Contract No. : Nill
Sample Sent By : Client
Sample Source : Nill
Sample Collected By : Lab technician
Test Code : BRRL
Date of Test : 25/02/2026
Test Supervised By : Sheikh Nafiur Nur Mousum

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	69		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)	0.09		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	89.86		ASTM D-5&6	≥ 80	≥ 80
Flash point	°C	302		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	56.141				
Weight Pycnometer partially filled with Bitumen, C	gm	44.826				
Pycnometer+Bitmen+Water, D	gm	56.443				
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= $((C-A)/((B-A)-(D-C)))*(GT/G25)$		1.0213				
Specific Gravity		1.0213				

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

Test Performed By

01-Mar-2026

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

Test Approved By

01-Mar-2026

Sheikh Nafiur Nur Mousum
Assistant Engineer
Quality Control & Training
Division, BRRL

Counter Signed By

01-Mar-2026

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

Counter Signed By

01-Mar-2026

Shamima Yasmin
Executive Engineer
Quality Control & Training
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