



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



DATA & REPORT SHEET

Memo No: LAB-26-04-05-03883-001-01

Date: 2026-04-05

Client : Patuakhali Road Division Lab Register No. : 63 (B) 2025-2026.
Tender No. : 487355 Contract No. : 01-e-
GP/ADP/PPFTP/WD-05/2020-2021
Tracking Number : LAB-26-04-05-03883 Sample Sent By : Client
Project/Work Name : Construction of 6.35 km (4+2 Lane) Payra Port Connecting Road including 7 nos P.C/RCC Bridges, 7 nos
RCC Box Culverts, Toll Plaza & Electrical Works on Rajopara to Payra Port Connecting Road from Itbaria
(Ch: 3+000) to Banatipara (Ch: 9+350) Payra Port 1st
Sample Collection From : From Stackyard Sample Source : Bitumen Brand: Jey Oil Refining Co.
Sample Sealing Status : Sealed Sample Collected By : EE (RHD)
Name of Test : BITUMEN ROUTINE TEST
Item Name : Others Test Code : BRRL
Test Method : ASTM
Associated Agency : Project Manager, Spectra Engineering Ltd. CPCRP under PPFTP.
Date of sample receive : 01/04/2026 Date of Test : 05/04/2026
at Lab
Sample Description : Sample was supplied to the laboratory by Contractor's representative. Sample was carried in a pot. Source
of sample as per letter is Jey Oil Refining Co. Amount of sample received is 5 kg approximately. Sample was
sealed by Executive Engineer, RHD, Road Division Patuakhali.
Test Performed By : Akram Hossen Test Supervised By : Nahid Noman
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	63		ASTM D-5	60 - 70	80/100
Softening Point	°C	50		ASTM D-36	48 - 56	45 - 52
Ductility (@25°C)	CM	100		ASTM D-113	≥ 100cm	≥ 100cm
Loss on heating	%(of wt)	0.05		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	88.71		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	30.373				
Weight of Pycnometer +Water, B	gm	56.136				
Weight Pycnometer partially filled with Bitumen, C	gm	44.833				
Pycnometer+Bitmen+Water, D	gm	56.570				
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)		1.0309				
Specific Gravity		1.0309				

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

Test Performed By

06-Apr-2026

Akram Hossen

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

Test Approved By

06-Apr-2026

Nahid Noman

Assistant Engineer
Quality Control & Training
Division, BRRL

Counter Signed By

06-Apr-2026

Sheikh Nafur Nur Mousum

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

Counter Signed By

06-Apr-2026

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

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