



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

DATA & REPORT SHEET

Memo No: LAB-26-05-17-03907-001-01

Date: 2026-05-17

Client : Noakhali Road Division
Tender No. : 1131376
Tracking Number : LAB-26-05-17-03907
Project/Work Name : Construction of Rigid Pavement at 1st km (P) and Partial Strengthening with DBS Wearing Course (overlay) at 1st km (P) to 10th km (P) & 20th km to 23rd km (P) of Sonaimuri-Senbag-Kalandi Road (Z-1421) Under Noakhali Road Division during the year 2024-202
Sample Collection From : From Stackyard
Sample Sealing Status : Sealed
Name of Test : BITUMEN ROUTINE TEST
Item Name : Others
Test Method : ASTM
Associated Agency : Md. Mejanur Rahman and Noor-Zaman Engineering Foundattion JV, 19/B Uttar Tolarbagh, Mirpur, Dhaka.
Date of sample receive at Lab : 14/05/2026
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 Noakhali.
Test Performed By : Akram Hossen
Assistant Research Officer

Lab Register No. : 90 (B) 2025-2026.
Contract No. : NRD/e-GP/OSTETM/PMP-Road/2024-2025/01/Re-tender
Sample Sent By : Client
Sample Source : Nill
Sample Collected By : EE (RHD)
Test Code : BRRL
Date of Test : 14/05/2026
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	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)	0.09		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	%	89.23		ASTM D-5&6	≥ 80	≥ 80
Flash point	°C	315		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.380				
Weight of Pycnometer +Water, B	gm	56.132				
Weight Pycnometer partially filled with Bitumen, C	gm	44.835				
Pycnometer+Bitmen+Water, D	gm	56.421				
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= $((C-A)/((B-A)-(D-C)))*(GT/G25)$		1.0204				
Specific Gravity		1.0204				

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

Test Performed By

18-May-2026

Akram Hossen

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

Test Approved By

18-May-2026

Sheikh Nafiur Nur Mousum

Assistant Engineer
Quality Control & Training
Division, BRRL

Counter Signed By

18-May-2026

Mahbuba Akter

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

Counter Signed By

18-May-2026

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

This is a auto generated report by OLTMS system.