



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

DATA & REPORT SHEET

Memo No: LAB-26-01-07-03850-001-01

Date: 2026-01-07

Client : Noakhali Road Division
Tender No. : 1077621
Lab Register No. : 30(B) 2025-2026.
Contract No. : NRD/e-GP/OTM/PMP- Road /2024-2025/01/Re-Tender
Tracking Number : LAB-26-01-07-03850
Sample Sent By : Client
Project/Work Name : Laboratory Test for PMP work for Partial Strengthening, DBS Wearing Course & Protective works at ch: 21st (P) to 28th (P) km of Lakshmipur-Dattapara-Chatkhil Road (Z-1510) under Noakhali Road Division during the year 2023-2024.
Sample Collection From : From Stackyard
Sample Source : Nill
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 : M/S. Selim & Brothers and Noor-Zaman Engineering Foundation JV. 19/B Uttar Tolarbag (1st Floor), Mirpur-01, Dhaka-1216. Bangladesh.
Date of sample receive : 29/12/2025
Date of Test : 30/12/2025
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 7 kg approximately. Sample was sealed by Executive Engineer, RHD, Road Division Noakhali.
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	61		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)	0.05		ASTM D-6	≤ 0.2	≤ 0.5
Penetrating drop after heating	%	91.80		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	30.369				
Weight of Pycnometer +Water, B	gm	56.144				
Weight Pycnometer partially filled with Bitumen, C	gm	44.832				
Pycnometer+Bitmen+Water, D	gm	56.433				
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= $\frac{(C-A)}{(B-A)-(D-C)} \times (GT/G25)$		1.0204				
Specific Gravity		1.0204				

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

Test Performed By

08-Jan-2026

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

Test Approved By

08-Jan-2026

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

Counter Signed By

08-Jan-2026

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

Counter Signed By

08-Jan-2026

Shamima Yasmin
Executive Engineer
Quality Control & Training
Division, BRRL

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