



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



DATA & REPORT SHEET

Memo No: LAB-26-05-17-03908-001-01

Date: 2026-05-17

Client : Noakhali Road Division  
Tender No. : 1174865  
Lab Register No. : 91 (B) 2025-2026.  
Contract No. : NRD/e-GP/OTM/PMP-Road/2025-2026/01.  
Tracking Number : LAB-26-05-17-03908  
Sample Sent By : Client  
Project/Work Name : Partial Strengthening with DBS Wearing Course (overlay) at 10th km (P) to 19th km (P) (Kesherpar to Senhag Upazila) & 23rd km (P) 25th km (P) (Senbag Bazar to Rastermatha) of Sonaimuri-Senabag-Kalandi Road (Z-1421) Under Noakhali Road Division during the  
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 : Rimi Nirman Ltd, House # 279/6, Mirpur DOHS Road, Manikdi, Dhaka Cantonment (4th Floor) Dhaka-1206.  
Date of sample receive at Lab : 14/05/2026  
Date of Test : 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  
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	70		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
Penetration of residue from loss on heating test at 25°C, 100g, 5 Sec, as compared to penetration before heating	%	82.86		ASTM D-5&6	≥ 80	≥ 80
Flash point	°C	295		ASTM D-92	≥ 250	≥ 250
Specific Gravity @25/25°C						
Descriptions	Unit	Specimen #1	Specimen #2			
Weight of Pycnometer (+Stopper), A	gm	30.371				
Weight of Pycnometer +Water, B	gm	56.133				
Weight Pycnometer partially filled with Bitumen, C	gm	44.835				
Pycnometer+Bitmen+Water, D	gm	56.434				
Density of Water at 25 °C, G25	Kg/m <sup>3</sup>	1000				
Temperature of Water (T); °C,	°C	25				
Density of Water at Temperature T °C( GT )	Kg/m <sup>3</sup>	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

18-May-2026

Akram Hossen

Test Approved By

18-May-2026

Sheikh Nafiur Nur Mousum

Counter Signed By

18-May-2026

Mahbuba Akter

Counter Signed By

18-May-2026

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

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

Assistant Engineer  
Quality Control & Training  
Division, BRRL

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

This is a auto generated report by OLTMS system.