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

DATA & REPORT SHEET

Memo No: LAB-26-10-27-03945-001-01 Date: 2026-10-27

Client	:	Brahmanbaria Road Dvision	Lab Register No.	:	27 (B) 2026-2027.
Tender No.	:	1211770	Contract No.	:	e-Gp/10/PMP-Roads/BRD/OTM/2025-2026
Tracking Number	:	LAB-26-10-27-03945	Sample Sent By	:	Client
Project/Work Name	:	Periodic Maintenance of Pavement with DBS Wearing Course including necessary repair of pavement distresses, construction of surface drains (saucer drains, cross drains), protective works, sign-signal works and earthwork from (a) Ch. 00+000 to Ch. 00+700 &			
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	:	Hassan Techno Builders Ltd. Address: Punam Palace, Holding No.464, 1st Kandirpar, Badurtala, Adarsha Sadar, Cumilla.			
Date of sample receive at Lab	:	25/10/2026	Date of Test	:	26/10/2026
Sample Description	:	Sample was supplied to the laboratory by Contractor's representative. Sample was carried in a pot. Amount of sample received is 4 kg approximately. Sample was sealed by Executive Engineer, RHD, Road Division Brahmanbaria.			
Test Performed By	:	Akram Hossen Assistant Research Officer	Test Supervised By	:	Mohammad Amir Hossen

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	68		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	%	83.82		ASTM D-5&6	≥ 80	≥ 80
Flash point	°C	304		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	44.828				
Pycnometer+Bitmen+Water, D	gm	56.434				
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)		1.0210				
Specific Gravity		1.0210				

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

Test Performed By	Test Approved By	Counter Signed By	Counter Signed By
27-Oct-2026	27-Oct-2026	27-Oct-2026	27-Oct-2026
Akram Hossen	Mohammad Amir Hossen	Mohammad Amir Hossen	Dewan Abul Kashem Mohammad Nahin Reza
Assistant Research Officer Quality Control & Training Division, BRRL	Assistant Engineer(CC) Quality Control & Training Division, BRRL	Sub Divisional Engineer(AC) Quality Control & Training Division, BRRL	Executive Engineer Quality Control & Training Division, BRRL

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