

# BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY (BUET)



## DEPARTMENT OF CIVIL ENGINEERING

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## CONCRETE LABORATORY

BRTC No. : 1103-79608 /25-26/CE; Dt: 3/6/2026  
Sent by : Md Abu Bakar, Aithor, Birulia, Savar, Dhaka  
Ref. No. : Letter; Dt: 3/5/2026  
Subject : Application for testing of Concrete Cylinder for Compressive Strength  
Sample : **Solid Block** [ Size: 240x115x70 ]  
Test : **Compressive Strength of Concrete Masonry Unit [ASTM C140-03]**  
Date of Test : 4/5/2026

### TEST REPORT

Sl. No.	Specimen Designation/ Frog Mark	Length of Test Sample (inch)	Width of Test Sample (inch)	Surface Area of Sample (Sq. Inch)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Specimen View
1	-	9.45	4.53	42.78	127,055	2970	2993 psi	
2	-	9.45	4.53	42.78	123,635	2890	(20.63 MPa)	
3	-	9.45	4.72	44.64	139,275	3120	(210.37 kg/cm <sup>2</sup> )	

- Note: 1. Samples were received in unsealed condition.  
2. Crushing strength is calculated based on net cross sectional area.  
3. Half bricks were used for test

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Countersigned by:

**Prof. Dr. Bashir Ahmed**  
Test-In-Charge  
Department of Civil Engineering  
BUET, Dhaka-1000, Bangladesh



Test Performed by:

07.05.26  
**Nishatee Binte Shahid**  
Assistant Professor  
Department of Civil Engineering  
BUET, Dhaka-1000, Bangladesh

**Important Notes:** Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover / packet / container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.