



NCE No. 101/2022-23

Date: 11/01/2023

Client : Payra Ceramics Industries Ltd.
New Vision Twin Terrace, Suite # 1D
37 Pioneer Road, Kakrail
Segunbagicha, dhaka

Client's Reference : Nil, Date: 02/01/2023

BRTC Reference : 1102-79846/NCE/2022-23, Date: 02/01/2023

Sample Condition : Not Sealed

Subject : Brick Test

TEST REPORT

Sample Identification by Client	Payra Auto Bricks
---------------------------------	-------------------

1. Compressive Strength Test:

Sl. No.	Compressive Load (N)	Specimen Area (sq.mm)	Specimen Area (sq.in)	Compressive Strength (MPa)	Average Compressive Strength (MPa)	Average Compressive Strength (psi)
1.	140000	3700.13	5.74	37.84	39.18 ± 1.59	5682 ± 230
2.	142000	3739.65	5.80	37.97		
3.	140000	3645.57	5.65	38.40		
4.	150000	3727.21	5.78	40.24		
5.	155000	3741.19	5.80	41.43		

2. Water Absorption = 9.64 %

N.B. All tests were conducted employing ASTM C67 standard test methods.

Dr. A. S. M. A Haseeb
Professor and Acting Head
Dept. of Nanomaterials and Ceramic Engineering (NCE)
BUET, Dhaka-1000

Please note: The client supplied the sample and the result given herewith corresponds to the test on supplied sample only. The Department of Nanomaterials and Ceramic Engineering of BUET takes no responsibility regarding the misidentification, if any, of the sample.

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY (BUET)



DEPARTMENT OF CIVIL ENGINEERING

Mobile: 01819557964; PABX: 55167228-57 Ext. 7226
http://brtc.ce.buet.ac.bd/#/home

ENVIRONMENTAL ENGINEERING LABORATORY



BRTC No. : 1102-79850 /21-22/CE; Dt: 2/1/2023
Sent by : Payra Ceramics Industries Ltd, New Vision Twin Terrace, Suite#1D, 37 Pioneer Road, Kakrail, Segunbagicha, Dhaka.
Ref. No. : Letter, [Dt: 2/1/2023]
Project : Payra Ceramics Industries Ltd.
Sample : Brick [Frog Mark: PAYRA]
Test : Salinity of Bricks [BS 812 Part 117]
Date of Test : 7/1/2023 - 11/1/2023


TEST REPORT

Type of Brick : 1st Class

Total Acid Soluble CHLORIDE (Cl) = 0.0014% of Dry Mass

Note: 1. Samples were received in unsealed condition.

Countersigned by:


Dr. A. B. M. Badruzzaman
Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



Test Performed by:


12/01/23
Mohammad Irfan Hossain
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.