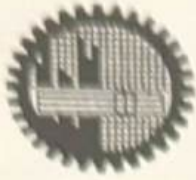


BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY (BUET)



DEPARTMENT OF CIVIL ENGINEERING

Mobile: 01819557964; PABX: 55666000-2 Ext. 7226
http://brtctest.ce.buet.ac.bd

CONCRETE LABORATORY



BRTC No. : 1103-35304/CE /24-25/; Dt: 5/11/2024

Sent by : Md. Rezaul Karim.

"SEL ROSE-N-DALE" Suite #1101, 116 Kazi Nazrul Islam Avenue, ramna, Dhaka-1217.

Ref. No. : Letter; Dt: 5/11/2024

Project : McGrath-Bandhan (H#1079/A, R#22, Tilpapara, Khilgaon)

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): 1:1.5:3.0]

[Admixture added (as per letter): Not mentioned]

Location : 3rd Floor Slab

Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**

Date of Test : 7/11/2024

TEST REPORT

| SL No. | Date of Casting as per the letter | Specimen Designation/ Frog Mark | Specimen Area (sq. in) | Maximum Load (lb) | Crushing Strength (psi) | Average Crushing Strength | Mode of Failure |
|--------|-----------------------------------|------------------------------------|---------------------------|----------------------|----------------------------|--|-----------------|
| 1 | 10/10/2024 | BD-4 McGrath | 11.94 | 66,554 | 5,574 | 5360 psi (37 MPa) (377 kg/cm ²) | Combined * |
| 2 | (28 days test) | BD-4 McGrath | 12.67 | 68,781 | 5,429 | | Combined * |
| 3 | | BD-4 McGrath | 12.67 | 64,327 | 5,077 | | Combined * |

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Hasib Mohammed Ahsan

Test-In-Charge

Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



Test Performed by:



Tazwar Bakhtiyar Zahid

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.



BRTC No. : 1103-30955/CE /24-25/; Dt: 11/9/2024
 Sent by : Md. Rezaul Karim, Project Manager, McGrath Developments Ltd.
 Sel Rose-N-Dale, Suit-1101, 116 Kazi Nazrul Islam Avenue, Ramna, Dhaka.
 Ref. No. : Letter; Dt: 11/9/2024
 Project : Mcgrath Bandhan, (H-1079/A, R-22, Tilpapara, Khilgaon, Dhaka.
 Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Not mentioned]
 [Admixture added (as per letter): Not mentioned]
 Location : 1st Floor Slab
 Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**
 Date of Test : 14/9/2024

TEST REPORT

| SL No. | Date of Casting as per the letter | Specimen Designation/ Frog Mark | Specimen Area (sq. in) | Maximum Load (lb) | Crushing Strength (psi) | Average Crushing Strength | Mode of Failure |
|--------|-----------------------------------|------------------------------------|---------------------------|----------------------|----------------------------|--|-----------------|
| 1 | 17/8/2024 | BD-2 Mc Grath | 11.94 | 57,645 | 4,828 | 4430 psi (30.5 MPa) (311 kg/cm ²) | Combined * |
| 2 | (28 days test) | BD-2 Mc Grath | 11.94 | 50,963 | 4,268 | | Combined * |
| 3 | | BD-2 Mc Grath | 12.18 | 50,963 | 4,184 | | Combined * |

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Hasib Mohammed Ahsan

Test-In-Charge

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh



Test Performed by:

Dr. Sumaiya Afroz

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.



BRTC No. : 1103-28519/CE /24-25/; Dt: 8/8/2024
 Sent by : Md. Jahangir Alam, Asst. Manager (QAD), Mirpur Concrete Readymix Plant
 Empori Financial Center, Level #6, Plot #6, Road #93, North Avenue, Gulshan 2, Dhaka.
 Ref. No. : Letter; Dt: 7/8/2024
 Project : McGrath Real Estate Ltd., Tilpa Para, Khilgaon, Dhaka.
 Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Ready Mix]
 [Admixture added (as per letter): Not mentioned]
 Location : Ground Floor Slab
 Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**
 Date of Test : 10/8/2024

TEST REPORT

| SL No. | Date of Casting as per the letter | Specimen Designation/ Frog Mark | Specimen Area (sq. in) | Maximum Load (lb) | Crushing Strength (psi) | Average Crushing Strength | Mode of Failure |
|--------|-----------------------------------|------------------------------------|---------------------------|----------------------|----------------------------|--|-----------------|
| 1 | 11/7/2024 | McGrath | 11.94 | 69,164 | 5,793 | 5390 psi (37.2 MPa) (379 kg/cm ²) | Combined * |
| 2 | (30 days test) | McGrath | 12.18 | 61,922 | 5,084 | | Combined * |
| 3 | | McGrath | 12.18 | 64,638 | 5,307 | | Combined * |

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Hasib Mohammed Ahsan
 Test-In-Charge
 Department of Civil Engineering
 BUET, Dhaka-1000, Bangladesh

Test Performed by:

11/08/2024

Dr. Md. Zakaria Ahmed
 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.