

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. : 1103-31051/CE /24-25/; Dt: 12/9/2024

Sent by : Md. Jahangir Alam.
D.T. Road, Pahartali, Chittagong, Bangladesh.

Ref. No. : Letter; Dt: 11/9/2024

Project : McGrath Real Estate Ltd. 15-17 Dhanshiri, Santibagh, Dhaka.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Ready Mix]
[Admixture added (as per letter): Not mentioned]

Location : 2nd 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	MCGrath	11.94	55,585	4,655	4330 psi (29.9 MPa) (304 kg/cm ²)	Combined *
2	(28 days test)	MCGrath	12.18	49,700	4,080		Combined *
3		MCGrath	12.42	52,869	4,257		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:

17/09/2024

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.



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CONCRETE LABORATORY



BRTC No. : 1103-29859/CE /24-25/; Dt: 28/8/2024
 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: 26/8/2024
 Project : McGrath Real Estate Ltd. Malibagh Mor, Shantibagh, Dhaka.
 Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Ready Mix]
 [Admixture added (as per letter): Not mentioned]
 Location : 1st Floor Slab
 Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**
 Date of Test : 29/8/2024

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	31/7/2024	McGrath	12.55	61,725	4,918	5100 psi (35.2 MPa) (359 kg/cm ²)	Combined *
2	(29 days test)	McGrath	12.67	65,032	5,133		Combined *
3		McGrath	12.18	63,930	5,249		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:

31/08/2024

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.

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CONCRETE LABORATORY



BRTC No. : 1103-26150/CE /23-24/; Dt: 29/6/2024

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: 25/6/2024

Project : McGrath Real Estate Ltd., Malibagh, 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 : 30/6/2024

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	29/5/2024	Mcgrath	11.94	78,955	6,613	6360 psi (43.8 MPa) (447 kg/cm ²)	Combined *
2	(32 days test)	Mcgrath	11.94	72,190	6,046		Combined *
3		Mcgrath	11.94	76,700	6,424		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



HheSRTWm7

Test Performed by:

01/07/2024

Dr. Abdul Jabbar Khan

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.



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CONCRETE LABORATORY



BRTC No. : 1103-22571/CE /23-24/; Dt: 15/5/2024

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: 14/5/2024

Project : McGrath Real Estate Ltd., Malibagh Mor, Malibagh, Dhaka.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Not mentioned]
[Admixture added (as per letter): Not mentioned]

Location : Basement

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

Date of Test : 16/5/2024

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	4/4/2024	McGrath	12.42	72,231	5,816	5780 psi (39.9 MPa) (406 kg/cm ²)	Combined *
2	(42 days test)	McGrath	12.42	72,231	5,816		Combined *
3		McGrath	12.67	72,231	5,701		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:

18/05/2024

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.



BRTC No. : 1103-19160/CE /23-24/; Dt: 3/4/2024
 Sent by : Mehedi Hasan Ankon, Project Manager, McGrath Real Estate
 Sel Rose-N-Dale, Suit# 1101,116 Kazi Narul Islam Avenue, Ramna, Dhaka.
 Ref. No. : Letter; Dt: 3/4/2024
 Project : McGrath-Dhanshiri, H#15, 17, Shantibagh, Dhaka.
 Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Not mentioned]
 [Admixture added (as per letter): Not mentioned]
 Location : Pile Cap (PC-4)
 Test : Compressive Strength Test of Concrete Cylinder [ASTM C39]
 Date of Test : 4/4/2024

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	11/3/2024	DS-1	12.18	83,171	6,828	---	Combined *
2	(24 days test)	DS-1	12.18	67,444	5,537		Combined *
3		DS-1	12.30	83,171	6,762		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:

08/04/2024

Dr. Md. Zakaria Ahmed
 Professor
 Department of Civil Engineering
 BUET, Dhaka-1000, Bangladesh



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