



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 : 1st 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	Combined *
2	(30 days test)	McGrath	12.18	61,922	5,084	(37.2 MPa)	Combined *
3		McGrath	12.18	64,638	5,307	(379 kg/cm ²)	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. Md. Zakaria Ahmed
Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



11/08/2024

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. : 1103-30955/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



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1st Floor Casting on 17-08-2024.

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CONCRETE LABORATORY



BRTC No. : 1103-33096/CE /24-25/; Dt: 8/10/2024

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: 7/10/2024

Project : McGrath Real Estate Ltd., House-16/B, Plot-1079, Block-A, Road-22, Khilgaon, Tilapara, Dhaka.

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

Location : 3rd Floor Slab

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

Date of Test : 9/10/2024

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	10/9/2024	McGrath 10.09.24	12.18	68,781	5,647	5500 psi	Combined *
2	(29 days test)	McGrath 10.09.24	12.18	66,554	5,464	(37.9 MPa)	Combined *
3		McGrath 10.09.24	11.94	64,327	5,387	(387 kg/cm ²)	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. Tahmeed Malik Al-Hussaini
Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



22/10/2024

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. : 1103-35304/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	Combined *
2	(28 days test)	BD-4 McGrath	12.67	68,781	5,429	(37 MPa)	Combined *
3		BD-4 McGrath	12.67	64,327	5,077	(377 kg/cm ²)	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:



08/11/2024

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.

3rd Floor Casting on 10-10-2024



CONCRETE LABORATORY

BRTC No. : **1103-38761/CE /24-25/**; Dt: **15/12/2024**
Sent by : Engr. Md. Masudul Haque Bhuiyan, Sr. DGM, Operation-Factory In Charge, Mir Ready Mix MCPL-1, Sluice Gate, Gabtoli, Dhaka.
Ref. No. : MCPL-1/2024/Mcgrath Development Ltd.; Dt: 5/12/2024
Project : Mcgrath Bandhan, Tilpapara, Khilgaon, Dhaka.
Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Ready Mix]
[Admixture added (as per letter): Fosroc Auramix 300]
Location : Slab
Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**
Date of Test: 17/12/2024

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	6/11/2024 (41 days test)	Mcgrath Bandhan	12.06	88,254	7,318	7410 psi (51.1 MPa) (521 kg/cm ²)	Combined *
2		Mcgrath Bandhan	12.18	89,163	7,320		Combined *
3		Mcgrath Bandhan	12.18	92,343	7,582		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. Moazzem Hossain
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. : 1103-41623/CE /24-25/; Dt: 16/1/2025

Sent by : Eng Md. Masudul Haque Bhuiyan, Sr. DGM, Operation Factory in Charge
Mir Ready Mix Concrete

Ref. No. : MCPL 1/2024/McGrath Development Limited; Dt: 2/1/2025

Project : McGrath Bandhan, Khilgaon

Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Ready Mix]
[Admixture added (as per letter): Fosroc Auramix 300]

Location : Slab Casting

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

Date of Test : 18/1/2025

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	5/12/2024	McGrath	11.94	52,296	4,380	---	Combined *
2	(44 days test)	McGrath	11.94	54,561	4,570		Combined *
3		McGrath	12.06	45,499	3,773		Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain

Test-In-Charge

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh

Test Performed by:

Md. Amin Al Noor

Assistant Professor

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh



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CONCRETE LABORATORY

BRTC No. : 1103-45418/CE /24-25/; Dt: 25/2/2025

Sent by : Engr. Md. Kamrul Islam, Plant in Charge - Production & Operation
Mir Ready Mix Concrete

Ref. No. : MCPL-F4/2025/SO- 04518/McGrath Development Ltd.; Dt: 22/2/2025

Project : Tilapara, Khilgaon, Dhaka

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

Location : Slab Casting

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

Date of Test : 26/2/2025

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	14/1/2025	McGrath Developmen	12.42	88,708	7,142	7210 psi	Combined *
2	(43 days test)	McGrath Developmen	12.06	85,528	7,092	(49.7 MPa)	Combined *
3		McGrath Developmen	12.18	90,071	7,395	(507 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

01/03/25

Sadab Ishraq Khan
Lecturer
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. : 1103-47566/CE /24-25/; Dt: 18/3/2025

Sent by : Md. Rezaul Karim

Ref. No. : Letter; Dt: 18/3/2025

Project : MCGrath-Bandhan (H#1079/A, R#22, Tilpapasa, 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 : 7th Floor Slab

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

Date of Test : 19/3/2025

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	18/2/2025	BD8-MCGrath	12.18	52,042	4,273	---	Combined *
2	(29 days test)	BD8-MCGrath	12.42	65,639	5,285		Combined *
3		BD8-MCGrath	12.42	70,171	5,650		Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

Test Performed by:

Zahid Hasan Prince
Lecturer
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

22/03/2025



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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7th Floor Casting on 18-02-2025.