Plain and Reinforced Concrete Laboratory
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

5055
Dr. Umbreen

To: **Engr's Abdul Waheed**
Project Engineer, OZ Developers Pvt. Ltd.

Project: Constructing a High Rise Building " Bahria Sky" at Bahria Orchard Phase 4, Lahore.

Our Ref. No. CL/CED/ 1631 **Dated: 04-04-23**

Your Ref. No. Nil **Dated: 03-04-23**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 04-04-23 Tested on: 04-04-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	---	26	3	2023	6Diax12	---	13.6	28.28	71	5624	---	Non Engraved
2	---	26	3	2023	6Diax12	---	14	28.28	73	5782	---	Non Engraved
3	---	26	3	2023	6Diax12	---	13.4	28.28	72	5703	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Engr. Abdul Waheed, CNIC # 13503-2830062-1

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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ORIGINAL
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5052
Dr. Umbreen

To: **Mr. Ahmad Jawad**
Director Operations, Banu Mukhtar Products (Pvt.) Ltd.

Project: Columns & Planks (ACE/RE/GOR/2023/229)

Our Ref. No. CL/CED/ 1632 **Dated: 04-04-23** **Test Specification**

Your Ref. No. BMP/DO/UET/140 **Dated: 04-04-23** **(BS 1881-116)**

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 04-04-23 Tested on: 04-04-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	A	6	3	2023	6x6x6	---	8.4	36	81	5040	---	Non Engraved
2	B	6	3	2023	6x6x6	---	8.2	36	73	4542	---	Non Engraved
3	C	6	3	2023	6x6x6	---	8.2	36	69	4293	---	Non Engraved
4	E	6	3	2023	6x6x6	---	8	36	69	4293	---	Non Engraved
5	F	6	3	2023	6x6x6	---	8.4	36	86	5351	---	Non Engraved
6	H	6	3	2023	6x6x6	---	8.4	36	59	3671	---	Non Engraved
7		---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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ORIGINAL
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5040
Dr. Umbreen

To: Mr. Aamir Shahzad Alvi
Project Manager, High-Q Constructions 3A, Gulberg II Main Boulevard Gulberg Lahore.

Project: Construction of High-Q Mall & Offices at 3-A, Gulberg II, Lahore.

Our Ref. No. CL/CED/ 1633 Dated: 04-04-23

Your Ref. No. QC/HQ/CIVIL76 Dated: 06-03-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 30-03-23 Tested on: 04-04-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	6000 Psi (Slab)	5	2	2023	6Diax12	---	14	28.28	96	7604	---	Non Engraved
2	6000 Psi (Slab)	5	2	2023	6Diax12	---	14	28.28	126	9980	---	Non Engraved
3	6000 Psi (Slab)	5	2	2023	6Diax12	---	13.8	28.28	140	11089	---	Non Engraved
4	6000 Psi (Stair)	6	2	2023	6Diax12	---	13.4	28.28	130	10297	---	Non Engraved
5	6000 Psi (Stair)	6	2	2023	6Diax12	---	14	28.28	94	7446	---	Non Engraved
6	6000 Psi (Stair)	6	2	2023	6Diax12	---	14	28.28	108	8554	---	Non Engraved
7		---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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ORIGINAL
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5040
Dr. Umbreen

To: Mr. Aamir Shahzad Alvi
Project Manager, High-Q Constructions 3A, Gulberg II Main Boulevard Gulberg Lahore

Project: Construction of High-Q Mall & Offices at 3-A Gulberg II, Lahore.

Our Ref. No. CL/CED/ 1634 Dated: 04-04-23

Your Ref. No. QC/HQ/CIVIL78 Dated: 09-03-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 30-03-23 Tested on: 04-04-23 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	8000 Psi (Columns)	8	2	2023	6Diax12	---	13.8	28.28	130	10297	---	Non Engraved
2	8000 Psi (Columns)	8	2	2023	6Diax12	---	13.8	28.28	116	9188	---	Non Engraved
3	8000 Psi (Columns)	8	2	2023	6Diax12	---	13.4	28.28	104	8238	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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ORIGINAL
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5040
Dr. Umbreen

To: **Mr. Aamir Shahzad Alvi**
Project Manager, High-Q Constructions 3A, Gulberg II Main Boulevard Gulberg Lahore

Project: Construction of High-Q Mall & Offices at 3-A Gulberg II, Lahore.

Our Ref. No. CL/CED/ 1635 **Dated: 04-04-23** **Test Specification**

Your Ref. No. QC/HQ/CIVIL83 **Dated: 16-03-23** **(ASTM C39)**

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 30-03-23 **Tested on:** 04-04-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	6000 Psi (Slab)	17	2	2023	6Diax12	---	14	28.28	96	7604	---	Non Engraved
2	6000 Psi (Slab)	17	2	2023	6Diax12	---	13.4	28.28	134	10614	---	Non Engraved
3	6000 Psi (Slab)	17	2	2023	6Diax12	---	14	28.28	94	7446	---	Non Engraved
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
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Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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ORIGINAL
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5040
Dr. Umbreen

To: **Mr. Aamir Shahzad Alvi**
Project Manager, High-Q Constructions 3A, Gulberg II Main Boulevard Gulberg Lahore

Project: Construction of High-Q Mall & Offices at 3-A Gulberg II, Lahore.

Our Ref. No. CL/CED/ 1636 **Dated: 04-04-23** **Test Specification**

Your Ref. No. QC/HQ/CIVIL/81 **Dated: 13-03-23** **(ASTM C39)**

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 30-03-23 **Tested on:** 04-04-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	8000 Psi (Lift Walls)	11	2	2023	6Diax12	---	13	28.28	124	9822	---	Non Engraved
2	8000 Psi (Lift Walls)	11	2	2023	6Diax12	---	13.6	28.28	106	8396	---	Non Engraved
3	8000 Psi (Lift Walls)	11	2	2023	6Diax12	---	13.2	28.28	122	9663	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
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Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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Dr. Umbreen

To: **Mr. Aamir Shahzad Alvi**
Project Manager, High-Q Constructions 3A, Gulberg II Main Boulevard Gulberg Lahore

Project: Construction of High-Q Mall & Offices at 3-A Gulberg II, Lahore.

Our Ref. No. CL/CED/ 1637 **Dated: 04-04-23** **Test Specification**

Your Ref. No. QC/HQ/CIVIL/85 **Dated: 23-03-23** **(ASTM C39)**

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 30-03-23 **Tested on:** 04-04-23 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	6000 Psi (Retaining Wall)	22	2	2023	6Diax12	---	14	28.28	116	9188	---	Non Engraved
2	6000 Psi (Retaining Wall)	22	2	2023	6Diax12	---	14.4	28.28	94	7446	---	Non Engraved
3	6000 Psi (Retaining Wall)	22	2	2023	6Diax12	---	14	28.28	120	9505	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**