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.

4362
Dr. Umbreen

To: Mr. Amir Shahzad Alvi (Project Manager)
High Q Construction

Project: Construction of High Q mall and Offices at 3.A Gulberg II, Lahore

Our Ref. No. CL/CED/ 589 Dated: 12-12-22 **Test Specification**

Your Ref. No. QC/HQ/CIVIL/43 Dated: 02-12-22 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 06-12-22 **Tested on:** 12-12-22 **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	Slab (6000 Psi)	3	11	2022	6Diax12	---	14.2	28.28	124	9822	---	Non Engraved
2	Slab (6000 Psi)	3	11	2022	6Diax12	---	14	28.28	98	7762	---	Non Engraved
3	Slab (6000 Psi)	3	11	2022	6Diax12	---	13	28.28	106	8396	---	Non Engraved
4	Slab (6000 Psi)	4	11	2022	6Diax12	---	13.6	28.28	104	8238	---	Non Engraved
5	Slab (6000 Psi)	4	11	2022	6Diax12	---	14	28.28	94	7446	---	Non Engraved
6	Slab (6000 Psi)	4	11	2022	6Diax12	---	14	28.28	96	7604	---	Non Engraved
7	Column (8000 Psi)	5	11	2022	6Diax12	---	13.8	28.28	126	9980	---	Non Engraved
8	Column (8000 Psi)	5	11	2022	6Diax12	---	13.8	28.28	120	9505	---	Non Engraved
9	Column (8000 Psi)	5	11	2022	6Diax12	---	13.6	28.28	114	9030	---	Non Engraved
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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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4342
Dr. Umbreen

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore

Project: Nil

Our Ref. No. CL/CED/ 590 **Dated:** 12-12-22 **Test Specification**

Your Ref. No. IHPL/Con/941 **Dated:** 22/11/2022 **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 01-12-22 **Tested on:** 12-12-22 **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	(4000 Psi)	28	10	2022	6Diax12	---	13.4	28.28	65	5149	---	Non Engraved
2	(4000 Psi)	28	10	2022	6Diax12	---	13.8	28.28	67	5307	---	Non Engraved
3	(4000 Psi)	28	10	2022	6Diax12	---	13.2	28.28	61	4832	---	Non Engraved
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Witnessed by: Engr. Ali Hasnain Khan (K.B)

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

4342
Dr. Umbreen

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd.

Project: Nil

Our Ref. No. CL/CED/ 591 **Dated:** 12-12-22 **Test Specification**

Your Ref. No. IHPL/Con/942 **Dated:** 22/11/2022 **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 01-12-22 **Tested on:** 12-12-22 **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	(5000 Psi)	28	10	2022	6Diax12	---	13.6	28.28	83	6574	---	Non Engraved
2	(5000 Psi)	28	10	2022	6Diax12	---	13.8	28.28	79	6257	---	Non Engraved
3	(5000 Psi)	28	10	2022	6Diax12	---	14	28.28	65	5149	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Engr. Ali Hasnain Khan (K.B)

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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4342
Dr. Umbreen

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd.

Project: Nil

Our Ref. No. CL/CED/ 592 **Dated:** 12-12-22 **Test Specification**

Your Ref. No. IHPL/Con/943 **Dated:** 22/11/2022 **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 01-12-22 **Tested on:** 12-12-22 **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	(4000 Psi)	30	10	2022	6Diax12	---	14.6	28.28	63	4990	---	Non Engraved
2	(4000 Psi)	30	10	2022	6Diax12	---	14.2	28.28	67	5307	---	Non Engraved
3	(4000 Psi)	30	10	2022	6Diax12	---	14	28.28	65	5149	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Engr. Ali Hasnain Khan (K.B)

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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4342
Dr. Umbreen

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd.

Project: Nil

Our Ref. No. CL/CED/ 593 **Dated:** 12-12-22 **Test Specification**

Your Ref. No. IHPL/Con/944 **Dated:** 22/11/2022 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 01-12-22 **Tested on:** 12-12-22 **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	(5000 Psi)	31	10	2022	6Diax12	---	13.2	28.28	61	4832	---	Non Engraved
2	(5000 Psi)	31	10	2022	6Diax12	---	14	28.28	77	6099	---	Non Engraved
3	(5000 Psi)	31	10	2022	6Diax12	---	13.8	28.28	69	5465	---	Non Engraved
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Witnessed by: Engr. Ali Hasnain Khan (K.B)

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

1. * as engraved on the specimens (if any)
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4342
Dr. Umbreen

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd.

Project: Nil

Our Ref. No. CL/CED/ 594 **Dated:** 12-12-22 **Test Specification**

Your Ref. No. IHPL/Con/940 **Dated:** 22/11/2022 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 01-12-22 **Tested on:** 12-12-22 **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	(5000 Psi)	27	10	2022	6Diax12	---	13.8	28.28	83	6574	---	Non Engraved
2	(5000 Psi)	27	10	2022	6Diax12	---	13.8	28.28	83	6574	---	Non Engraved
3	(5000 Psi)	27	10	2022	6Diax12	---	14.2	28.28	84	6653	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Engr. Ali Hasnain Khan (K.B)

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

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4342
Dr. Umbreen

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd.

Project: Nil

Our Ref. No. CL/CED/ 595 **Dated:** 12-12-22 **Test Specification**

Your Ref. No. IHPL/Con/939 **Dated:** 22/11/2022 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 01-12-22 **Tested on:** 12-12-22 **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	(5000 Psi)	24	10	2022	6Diax12	---	13.8	28.28	88	6970	---	Non Engraved
2	(5000 Psi)	24	10	2022	6Diax12	---	13.2	28.28	83	6574	---	Non Engraved
3	(5000 Psi)	24	10	2022	6Diax12	---	14	28.28	92	7287	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Engr. Ali Hasnain Khan (K.B)

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
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4342
Dr. Umbreen

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd.

Project: Nil

Our Ref. No. CL/CED/ 596 **Dated:** 12-12-22 **Test Specification**

Your Ref. No. IHPL/Con/938 **Dated:** 22/11/2022 **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 01-12-22 **Tested on:** 12-12-22 **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	(5000 Psi)	23	10	2022	6Diax12	---	13.8	28.28	73	5782	---	Non Engraved
2	(5000 Psi)	23	10	2022	6Diax12	---	14	28.28	86	6812	---	Non Engraved
3	(5000 Psi)	23	10	2022	6Diax12	---	14	28.28	92	7287	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Engr. Ali Hasnain Khan (K.B)

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**

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.

4342
Dr. Umbreen

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd.

Project: Nil

Our Ref. No. CL/CED/ 597 **Dated:** 12-12-22 **Test Specification**

Your Ref. No. IHPL/Con/937 **Dated:** 22/11/2022 **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 01-12-22 **Tested on:** 12-12-22 **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	(4000 Psi)	22	10	2022	6Diax12	---	13.2	28.28	67	5307	---	Non Engraved
2	(4000 Psi)	22	10	2022	6Diax12	---	13	28.28	71	5624	---	Non Engraved
3	(4000 Psi)	22	10	2022	6Diax12	---	14	28.28	83	6574	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Engr. Ali Hasnain Khan (K.B)

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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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ORIGINAL
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4342
Dr. Umbreen

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd.

Project: Nil

Our Ref. No. CL/CED/ 598 **Dated:** 12-12-22 **Test Specification**

Your Ref. No. IHPL/Con/936 **Dated:** 22/11/2022 **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 01-12-22 **Tested on:** 12-12-22 **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	(5000 Psi)	22	10	2022	6Diax12	---	13.6	28.28	65	5149	---	Non Engraved
2	(5000 Psi)	22	10	2022	6Diax12	---	13.6	28.28	83	6574	---	Non Engraved
3	(5000 Psi)	22	10	2022	6Diax12	---	13.8	28.28	75	5941	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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