



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.

4471
 Dr. Aqsa

To: Mr. Aamir Shahzad Alvi, PM
 High-Q Constructions

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

Our Ref. No. CL/CED/ 741

Dated: 27-12-22

Test Specification

Your Ref. No. QC/HQ/CIVIL/48

Dated: 19-12-22

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: **26-12-22** Tested on: **27-12-22** in dry/wet condition

Sr. No.	Mark*	Casting Date*			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
		DD	MM	YYYY								
1	Retaining Wall (6000 Psi)	18	11	2022	6Diax12	---	14	28.28	112	8871	---	Non Engraved
2	Retaining Wall (6000 Psi)	18	11	2022	6Diax12	---	14	28.28	96	7604	---	Non Engraved
3	Retaining Wall (6000 Psi)	18	11	2022	6Diax12	---	14.2	28.28	81	6416	---	Non Engraved
4	Slab (6000 Psi)	21	11	2022	6Diax12	---	14	28.28	86	6812	---	Non Engraved
5	Slab (6000 Psi)	21	11	2022	6Diax12	---	14	28.28	104	8238	---	Non Engraved
6	Slab (6000 Psi)	21	11	2022	6Diax12	---	14	28.28	95	7525	---	Non Engraved
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Witnessed by:

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-19 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- 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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4451
 Dr. Aqsa

To: Mr. Khalid Bashir
 Ittefaq Building Solutions Pvt. Ltd.

Project: Global Heights, Lahore

Our Ref. No. CL/CED/ 742

Dated: 27-12-22

Test Specification

Your Ref. No. IBS/GH/CT-01

Dated: 21-12-22

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 21-12-22 Tested on: 27-12-22 in dry/wet condition

Sr. No.	Mark*	Casting Date*			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
		DD	MM	YYYY								
1	7th F Col.+Lift W.+S.W (6000 Psi)	22	10	2022	6Diax12	---	13.8	28.28	50	3960	---	Engraved
2	7th F Col.+Lift W.+S.W (6000 Psi)	22	10	2022	6Diax12	---	13	28.28	57	4515	---	Engraved
3	7th F Col.+Lift W.+S.W (6000 Psi)	22	10	2022	6Diax12	---	13.8	28.28	63	4990	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-19 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- 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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4451
 Dr. Aqsa

To: Mr. Khalid Bashir
 Ittefaq Building Solutions Pvt. Ltd.

Project: Global Heights, Lahore

Our Ref. No. CL/CED/ 743

Dated: 27-12-22

Test Specification

Your Ref. No. IBS/GH/CT-02

Dated: 21-12-22

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 21-12-22 Tested on: 27-12-22 in dry/wet condition

Sr. No.	Mark*	Casting Date*			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
		DD	MM	YYYY								
1	9th Floor Slab (4000 Psi)	6	11	2022	6Diax12	---	13	28.28	50	3960	---	Non Engraved
2	9th Floor Slab (4000 Psi)	6	11	2022	6Diax12	---	13.4	28.28	40	3168	---	Non Engraved
3	9th Floor Slab (4000 Psi)	6	11	2022	6Diax12	---	13.2	28.28	49	3881	---	Non Engraved
4	9th Floor Slab (4000 Psi)	6	11	2022	6Diax12	---	13.4	28.28	50	3960	---	Non Engraved
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-19 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- 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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4451
 Dr. Aqsa

To: Mr. Khalid Bashir
 Ittefaq Building Solutions Pvt. Ltd.

Project: Global Heights, Lahore

Our Ref. No. CL/CED/ 744

Dated: 27-12-22

Test Specification

Your Ref. No. IBS/GH/CT-03

Dated: 21-12-22

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 21-12-22 **Tested on:** 27-12-22 **in dry/wet condition**

Sr. No.	Mark*	Casting Date*			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
		DD	MM	YYYY								
1	9th F. Lift W+S.W (6000 Psi)	16	11	2022	6Diax12	---	13	28.28	64	5069	---	Non Engraved
2	9th F. Lift W+S.W (6000 Psi)	16	11	2022	6Diax12	---	13.8	28.28	66	5228	---	Non Engraved
3	9th F. Lift W+S.W (6000 Psi)	16	11	2022	6Diax12	---	13.4	28.28	65	5149	---	Non Engraved
4	9th F. Lift W+S.W (6000 Psi)	16	11	2022	6Diax12	---	13.2	28.28	58	4594	---	Non Engraved
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-19 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

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- The test results are recommended to be interpreted in the light of above factors by the engineer.

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Director/Dy. Director Concrete Laboratory



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4451
 Dr. Aqsa

To: Mr. Khalid Bashir
 Ittefaq Building Solutions Pvt. Ltd.

Project: Global Heights, Lahore

Our Ref. No. CL/CED/ 745

Dated: 27-12-22

Test Specification

Your Ref. No. IBS/GH/CT-04

Dated: 21-12-22

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 21-12-22 **Tested on:** 27-12-22 **in dry/wet condition**

Sr. No.	Mark*	Casting Date*			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
		DD	MM	YYYY								
1	7th Floor Slab (4000 Psi)	11	10	2022	6Diax12	---	13.8	28.28	43	3406	---	Non Engraved
2	7th Floor Slab (4000 Psi)	11	10	2022	6Diax12	---	13.4	28.28	47	3723	---	Non Engraved
3	7th Floor Slab (4000 Psi)	11	10	2022	6Diax12	---	13.4	28.28	46	3644	---	Non Engraved
4	7th Floor Slab (4000 Psi)	11	10	2022	6Diax12	---	13	28.28	46	3644	---	Non Engraved
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-19 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- 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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4452
 Dr. Aqsa

To: Mr. M. Imran Khan, Material Engineer
 Engineering Consultancy Services Punjab Pvt. Ltd. Pipal House A-Block, Lahore.

Project: Reconstruction of Pipal House A-Block Lahore. (M/s Uni Build Associate Pvt. Ltd.)

Our Ref. No. CL/CED/ 746

Dated: 27-12-22

Test Specification

Your Ref. No. 343/ECSP/PH/ME/32

Dated: 21-12-22

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: **22-12-22** Tested on: **27-12-22** in dry/wet condition

Sr. No.	Mark*	Casting Date*			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
		DD	MM	YYYY								
1	Overhead Water Tank Slab	23	11	2022	6Diax12	---	13.4	28.28	38	3010	---	Engraved
2	Overhead Water Tank Slab	23	11	2022	6Diax12	---	13	28.28	36	2851	---	Engraved
3	Overhead Water Tank Slab	23	11	2022	6Diax12	---	13.6	28.28	36	2851	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-19 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- 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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 University of Engineering and Technology, Lahore, Pakistan
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4459
 Dr. Aqsa

To: Mr. Waqas Javaid, Project Manager, GOR-I
 Project Management Department, IDAP, Govt. of the Punjab

Project: Construction of Suites for Honorable Judges at GOR-I, Lahore.

Our Ref. No. CL/CED/ 747

Dated: 27-12-22

Test Specification

Your Ref. No. PM/Judges Suites Lhr/IDAP/2022/15712

Dated: 20-12-22

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 22-12-22 **Tested on:** 27-12-22 **in dry/wet condition**

Sr. No.	Mark*	Casting Date*				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
		DD	MM	YYYY									
1	Rectangular, Grey 80mm	---	---	---	7.8 x 3.8 x 3	---	3650	29.64	92	6953	---	---	
2	Rectangular, Grey 80mm	---	---	---	7.8 x 3.8 x 3	---	3660	29.64	96	7255	---	---	
3	Rectangular, Grey 80mm	---	---	---	7.8 x 3.8 x 3	---	3585	29.64	100	7557	---	---	
4	Rectangular, Grey 50mm	---	---	---	7.8 x 3.8 x 2	---	2305	29.64	83	6273	---	---	
5	Rectangular, Grey 50mm	---	---	---	7.8 x 3.8 x 2	---	2350	29.64	82	6197	---	---	
6	Rectangular, Grey 50mm	---	---	---	7.8 x 3.8 x 2	---	2340	29.64	102	7709	---	---	
7	Rectangular, Red 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2760	29.64	139	10505	---	---	
8	Rectangular, Red 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2775	29.64	139	10505	---	---	
9	Rectangular, Red 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2805	29.64	142	10731	---	---	
10	---	---	---	---	---	---	---	---	---	---	---	---	
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16	---	---	---	---	---	---	---	---	---	---	---	---	

Witnessed by:

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory