



# 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.

6749

Dr. Aqsa

To: Mr. M. Faisal Bhatti  
 Construction Manager, Ittefaq Building Solutions Pvt. Ltd.

Project: Mr. Chugtai House Residence at Plot # 74, Muneer Road Cantt, Lahore.

Our Ref. No. CL/CED/ 4309

Dated: 27-02-24

Test Specification

Your Ref. No. Nil

Dated: 21-02-24

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 21-02-24 Tested on: 27-02-24 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	Omar House (Raft 4000 Psi)	23	1	2024	6Diax12	---	13.2	28.28	52	4119	---	Non Engraved
2	Omar House (Raft 4000 Psi)	23	1	2024	6Diax12	---	13.4	28.28	77	6099	---	Non Engraved
3	Omar House (Raft 4000 Psi)	23	1	2024	6Diax12	---	14	28.28	77	6099	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

- \* 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"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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Dr. Aqsa

To: Mr. M. Faisal Bhatti  
Construction Manager, Ittefaq Building Solutions Pvt. Ltd.

Project: Mr. Chughtai House Residence at Plot # 74, Muneer Road Cantt, Lahore.

Our Ref. No. CL/CED/ 4310

Dated: 27-02-24

Test Specification

Your Ref. No. Nil

Dated: 21-02-24

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 21-02-24 Tested on: 27-02-24 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	Omar House, R/W (4000 Psi)	17	1	2024	6Diax12	---	13.4	28.28	68	5386	---	Non Engraved
2	Omar House, R/W (4000 Psi)	17	1	2024	6Diax12	---	13.2	28.28	60	4752	---	Non Engraved
3	Omar House, R/W (4000 Psi)	17	1	2024	6Diax12	---	13.2	28.28	67	5307	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

- \* 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" 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)
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Dr. Aqsa

To: Mr. M. Faisal Bhatti  
Construction Manager, Ittefaq Building Solutions Pvt. Ltd.

Project: Mr. Chughtai House Residence at Plot # 74, Muneer Road Cantt, Lahore.

Our Ref. No. CL/CED/ 4311

Dated: 27-02-24

Test Specification

Your Ref. No. Nil

Dated: 21-02-24

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 21-02-24 Tested on: 27-02-24 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	Omar House (Raft 4000 Psi)	27	12	2023	6Diax12	---	13.4	28.28	77	6099	---	Non Engraved
2	Omar House (Raft 4000 Psi)	27	12	2023	6Diax12	---	13.6	28.28	69	5465	---	Non Engraved
3	Omar House (Raft 4000 Psi)	27	12	2023	6Diax12	---	13.2	28.28	76	6020	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Dr. Aqsa

To: Mr. M. Faisal Bhatti  
Construction Manager, Ittefaq Building Solutions Pvt. Ltd.

Project: Mr. Chughtai House Residence at Plot # 74, Muneer Road Cantt, Lahore.

Our Ref. No. CL/CED/ 4312

Dated: 27-02-24

Test Specification

Your Ref. No. Nil

Dated: 21-02-24

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 21-02-24 Tested on: 27-02-24 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	Omar House, R/W (4000 Psi)	7	2	2024	6Diax12	---	14	28.28	47	3723	---	Non Engraved
2	Omar House, R/W (4000 Psi)	7	2	2024	6Diax12	---	13.6	28.28	42	3327	---	Non Engraved
3	Omar House, R/W (4000 Psi)	7	2	2024	6Diax12	---	13.4	28.28	50	3960	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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6761  
Dr. Aqsa

To: Mr. Muhammad Mohsin  
Resident Engineer, Environmental & Public Health Engineering Division, NESPAK Pvt. Ltd.  
Project: Construction of Storm Water Drainage System from Sham Nagar to River Ravi. (Contractor: M/s MWEB-ARCC (JV))  
Our Ref. No. CL/CED/ 4313 Dated: 27-02-24  
Your Ref. No. 3882/11/MM/01/353 Dated: 22-02-24

Test Specification  
(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 23-02-24 Tested on: 27-02-24 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	Bottom Slab (4000 Psi)	16	2	2024	6Diax12	---	13.2	28.28	39	3089	---	Non Engraved
2	Bottom Slab (4000 Psi)	16	2	2024	6Diax12	---	13	28.28	36	2851	---	Non Engraved
3	Bottom Slab (4000 Psi)	16	2	2024	6Diax12	---	13	28.28	35	2772	---	Non Engraved
4	Bottom Slab (4000 Psi)	17	2	2024	6Diax12	---	13.6	28.28	49	3881	---	Non Engraved
5	Bottom Slab (4000 Psi)	17	2	2024	6Diax12	---	13	28.28	51	4040	---	Non Engraved
6	Bottom Slab (4000 Psi)	17	2	2024	6Diax12	---	13.2	28.28	44	3485	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
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