

# **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/C	ED/ 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			-22	Tested on: 27-12-2		2-22	in dry/we	t condition				
Sr. No.	Mark*	Casting Date* Size DD MM YYYY (in) (i		Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks		
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	HINE	RI 14	28.28	104	8238		Non Engraved
6	Slab (6000 Psi)	21	11	2022	6Diax12	I READ W	14	28.28	95	7525		Non Engraved
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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. \*\*\*\* ACI318-19 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

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



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

Project: Global H	eights, Lahore			
Our Ref. No. CL/0	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

Specim	ens received on:	2	1-12	-22	Tested on:	27-1	2-22	in dry/wet condition		Ĉ	je sker	
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
	74h E Col 11 :64	עט		TTTT	(in)	(rkg/ gms)	(r.g/ gms)	(Sq. iii)	(imp.ions)	(psi)		
1	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
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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. \*\*\*\* ACI318-19 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

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





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

Project: Global H	eights, Lahore			
Our Ref. No. CL/C	ED/ 743	Dated:	27-12-22	<b>Test Specification</b>
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

Specim	ens received on:	2	1-12	-22	Tested on:	27-1	2-22	in dry/we	t condition		Ē	168.669
Sr. No.	Mark*	Casting Date* Size		Casting Date*		Wet Weight (Ka/ ams)	Dry Weight (Ka/ ams)	Area of X-Section	Ultimate load	Ultimate Stress (nsi)	Water Absorpti on (%)	Remarks
1	9th Floor Slab	6	11	2022	6Diax12	(rtg/ giii3) 	13	28.28	50	3960		Non Engraved
2	(4000 Psi) 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
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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. \*\*\*\* ACI318-19 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive 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.

### **Director/Dy. Director Concrete Laboratory**



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

Project: Global H	leights, Lahore			
Our Ref. No. CL/0	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

Specim	ens received on:	2	1-12	-22	Tested on:	27-1	2-22	in dry/we	t condition		Ü	jester
Sr. No.	Mark*	Cas DD	ting MM	Date* 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 Absorpti on (%)	Remarks
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
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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. \*\*\*\* ACI318-19 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

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



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

Project: Global H	eights, Lahore			
Our Ref. No. CL/0	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

Specim	ens received on:	2	1-12	-22	Tested on:	27-2	12-22	in dry/we	t condition		D	1624895
Sr. No.	Mark*	Cas DD	ting MM	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 Absorpti on (%)	Remarks
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
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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. \*\*\*\* ACI318-19 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

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



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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/0	CED/ 746	Dated:	27-12-22
Your Ref. No.	343/ECSP/PH/ME/32	Dated:	21-12-22

### COMPRESSION TEST REPORT

(ASTM C39)

Test Specification

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

Specim	ens received on:	2	2-12	-22	Tested on:	27-1	2-22	in dry/we	t condition		E	10.600 PD
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (70)	
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
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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. \*\*\*\* ACI318-19 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



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> 4459 Dr. Aqsa

To: Mr. Wagas 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/0	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		-22	Tested on:	27-12-22 in dry/wet condition		t condition				
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (%)	
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	RINE	2350	29.64	82	6197		
6	Rectangular, Grey 50mm				7.8 x 3.8 x 2	NEAD IN	2340	29.64	102	7709		
7	Rectangular, Red 60mm				7.8 x 3.8 x 2.3	DHE NHOLE OE THY LORD WHO	2760	29.64	139	10505		
8	Rectangular, Red 60mm				7.8 x 3. <mark>8 x 2.3</mark>		2775	29.64	139	10505		
9	Rectangular, Red 60mm				7.8 x 3.8 x 2.3	-	2805	29.64	142	10731		
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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 comprensive strength

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

