

Civil Engineering Department

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895 <u>ORIGINAL</u> A carbon copy for the report has been retained in the lab for record.

5920 Dr. M. Yousaf

To: Engr. Haseeb Afzal

Project Manager, HMB Developers Pvt. Ltd.

Project: Commercial Tower, Finance Trade Centre Lahore (B4 Shear Wall of Core Area C~D/2'~2)

Our Ref. No. CL	/CED/ 2947	Dated:	18-09-23	Test Specification
Your Ref. No.	HMBDPLS/S.O/09/23/67th (LHR)	Dated:	18-09-23	(ASTM C39)

COMPRESSION TEST REPORT



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

Specim	ens received on:	18	/09/2	2023	Tested on:	18-0	9-23	in dry/wet condition			Ĺ	jesteg
Sr. No.	Mark*		-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	C-27 (6000 Psi)	21	8	2023	6Diax12		14	28.28	78	6178		Non Engraved
2	C-27 (6000 Psi)	21	8	2023	6Diax12		14	28.28	118	9347		Non Engraved
3	C-27 (6000 Psi)	21	8	2023	6Diax12		13.8	28.28	84	6653		Non Engraved
4						/						
5					1	WHINE	RING					
6					-	READIN	2071					
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16												
Witness	Witnessed by: Mr. Haseeb Afzal, CNIC 34101-9582859-3											

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 compressive 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)



To:

Plain and Reinforced Concrete Laboratory

Civil Engineering Department

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895



5897 Dr. M.Yousaf

:	Engr. Zaheer ud din Babar		
	Deputy General Manager Projects, Habib R	afiq Engineering (Pvt) Ltd.	
	Project: Construction of Sky Gardens Towe 136~140)	er, Lahore. (Basement-02, Retaining Wa	ll, Pour # 08, Anchor
	Our Ref. No. CL/CED/ 2948	Dated:	18-09-23
	Your Ref. No. HRLE/SKG/2023/0133	Dated:	13-09-23

COMPRESSION TEST REPORT



Test Specification (ASTM C39)

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

Specim	ens received on:	1	3-09	-23	Tested on:	18-0)9-23	in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*		-	Date*	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Section load Stress Absorpti		Remarks	
1	#308 (6000 Psi)	16	8	2023	6Diax12		14.4	28.28	104	8238		Non Engraved
2	#308 (6000 Psi)	16	8	2023	6Diax12		14.6	28.28	128	10139		Non Engraved
3	#308 (6000 Psi)	16	8	2023	6Diax12		14	28.28	110	8713		Non Engraved
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5						NHINE	RING					
6)	READ IN	2071					
7						OF THY GRO WHO OREATES	ریجب اندکی خلق ر	I FCH				
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12												
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14												
15												
16												
Witness	Nitnessed by: Nil											

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

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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.



Civil Engineering Department

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895



To: Mr. Muhammad Javed

Resident Engineer, Mascon Associates (Pvt) Ltd. In Association with HA Consulting.

Project: Medical Store Depot, Gurumangat Road, Lahore.

Our Ref. No. CL/	'CED/ 2949	Dated:	18-09-23	Test Specification
Your Ref. No.	HA-MAS/RE/MSD/05	Dated:	18-07-23	(BS 1881-116)

COMPRESSION TEST REPORT



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

Specim	ens received on:	1	4-09	-23	Tested on:	18-0)9-23	in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*		-	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	MSD-2 Columns	8	4	2023	6x6x6		8.4	36	49	3049		Non Engraved
2	MSD-2 Columns	8	4	2023	6x6x6		8.4	36	65	4044		Non Engraved
3	MSD-2 Columns	8	4	2023	6x6x6		8.2	36	67	4169		Non Engraved
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Witness	Witnessed by: Nil											

Witnessed by: Nil

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

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Civil Engineering Department

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

5908 Dr. M.Yousaf

To: Mr. Muhammad Javed

Resident Engineer, Mascon Associates (Pvt) Ltd. In Association with HA Consulting.

Project: Medical Store Depot, Gurumangat Road, Lahore.

Our Ref. No. CL/	CED/ 2950	Dated:	18-09-23	Test Specification
Your Ref. No.	HA-MAS/RE/MSD/10	Dated:	19-07-23	(BS 1881-116)

COMPRESSION TEST REPORT



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

Specim	ens received on:	1	4-09	-23	Tested on:	18-0)9-23	in dry/wet condition				ONLINE REPORT		
Sr. No.	Mark*		Casting Date*		-		Size (in)	Wet Weight	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Equip. Store, 1st F. to 2nd F. Cols.	31	5	2023	6x6x6		(rtg/ gills) 8.4	36	(imp.rons) 79	(psi) 4916		Non Engraved		
2	Equip. Store, 1st F. to 2nd F. Cols.	31	5	2023	6x6x6		8.4	36	86	5351		Non Engraved		
3	Equip. Store, 1st F. to 2nd F. Cols.	31	5	2023	6x6x6		8.8	36	81	5040		Non Engraved		
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16														
Witness	Witnessed by: Nil													

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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 compressive strength

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Civil Engineering Department

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895



To: Mr. Muhammad Javed

Resident Engineer, Mascon Associates (Pvt) Ltd. In Association with HA Consulting.

Project: Medical Store Depot, Gurumangat Road, Lahore.

Our Ref. No. CL/	CED/ 2951	Dated:	18-09-23	Test Specification
Your Ref. No.	HA-MAS/RE/MSD/08	Dated:	18-07-23	(BS 1881-116)

COMPRESSION TEST REPORT



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

Specim	ens received on:	1	4-09	-23	Tested on:	18-0	9-23	in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*	Cas DD	-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)		Water Absorpti on (%)	Remarks
1	MSD-1 Column	23	5	2023	6x6x6		8.6	36	94	5849		Engraved
2	MSD-1 Column	23	5	2023	6x6x6		8.6	36	109	6782		Engraved
3	MSD-1 Column	23	5	2023	6x6x6		8.8	36	75	4667		Engraved
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16												
Witness	ed by: Nil											

Witnessed by: Nil

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



Civil Engineering Department

University of Engineering and Technology, Lahore. Pakistan Mobile: 0307-0496895 Landline: 042-99029245 & 042-99029202



To: Mr. Muhammad Javed

Resident Engineer, Mascon Associates (Pvt) Ltd. In Association with HA Consulting.

Project: Medical Store Depot, Gurumangat Road, Lahore.

Our Ref. No. CL/C	ED/ 2952	Dated:	18-09-23	Test Specification
Your Ref. No.	HA-MAS/RE/MSD/09	Dated:	18-07-23	(BS 1881-116)

COMPRESSION TEST REPORT



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

Specim	ens received on:	1	4-09	-23	Tested on:	18-0	9-23	in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*		Casting Date*		Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	0.1 (70)	
1	Equipment store First Floor Slab	27	5	2023	6x6x6		8	36	58	3609		Non Engraved
2	Equipment store First Floor Slab	27	5	2023	6x6x6		8.6	36	63	3920		Non Engraved
3	Equipment store First Floor Slab	27	5	2023	6x6x6		8.6	36	64	3982		Non Engraved
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Witness	Witnessed by: Nil											

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Supervisor (Lab)



Civil Engineering Department

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

5871 Dr. M.Yousaf

To: Mr. M. Zain-UI-Abadeen

Project Manager, Majeed Associates (Pvt.) Ltd. Karachi

Project: Construction of ABL Branch Expo Johar Town, Lahore. (Pak Mix)

Our Ref. No. CL/CED/ 2953	Dated:	18-09-23	Test Specification
Your Ref. No. Nil	Dated:	30-08-23	(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on:			7-09	-23	Tested on:	18-09-23		in dry/wet condition				ONLINE REPORT								
Sr. No.	Mark*	Cas DD	Casting Date*		-		-		-		-		Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	3rd Floor Slab (3000 Psi)	30	8	2023	6Diax12		13.6	28.28	35	2772		Non Engraved								
2	3rd Floor Slab (3000 Psi)	30	8	2023	6Diax12		13	28.28	35	2772		Non Engraved								
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Witness	ed by: Nil																			

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Civil Engineering Department

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

> 5881 Dr. M.Yousaf

To: Engr. Shahzad Munir

Resident Engineer, G3 Engineering Consultants (Pvt.) Ltd.

Project: Construction of Commercial Centre Under the Project Strengthening of University of Narowal.

Our Ref. No. CL/	CED/ 2954	Dated:	18-09-23	Test Specification
Your Ref. No.	G3/UON/NWL/T-03	Dated:	06-09-23	(ASTM C39)

COMPRESSION TEST REPORT



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

Specim	ens received on:	1	1-09	-23	Tested on:	18-0	9-23	in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*		-	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	Footings	10	8	2023	6Diax12		15	28.28	58	4594		Non Engraved
2	Footings	10	8	2023	6Diax12		15.2	28.28	60	4752		Non Engraved
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5					-	NHNE	RING					
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Witness	ed by: Nil											

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Civil Engineering Department

University of Engineering and Technology, Lahore. Pakistan Mobile: 0307-0496895 Landline: 042-99029245 & 042-99029202

5880 Dr. M.Yousaf

Test Specification

(ASTM C39)

To: Mr. Muhammad Irfan

Material Engineer, Banu Mukhtar Contracting (Pvt.) Ltd.

Project: Burj-1 by AJWA Builders. (Main Building B/3 Zone # 02)

Our Ref. No. CL/CED/ 2955

Your Ref. No. DOC-BMC/AJWA/103

COMPRESSION TEST REPORT



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

Specim	ens received on:	11-09-23 Tested			Tested on:	18-0)9-23	in dry/we	ONLINE REPORT			
Sr. No.	Mark*		-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Slab Grids # 5'-7/D'- J (4000 Psi)	7	8	2023	6Diax12		13.8	28.28	78	6178		Non Engraved
7	Slab Grids # 5'-7/D'- J (4000 Psi)	7	8	2023	6Diax12		14	28.28	98	7762		Non Engraved
3	Slab Grids # 5'-7/D'- J (4000 Psi)	7	8	2023	6Diax12		14	28.28	100	7921		Non Engraved
4												
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Witness	ed by: Nil											

Dated:

Dated:

18-09-23

11-09-23

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5880 Dr. M.Yousaf

To: Mr. Muhammad Irfan

Material Engineer, Banu Mukhtar Contracting (Pvt.) Ltd.

Project: Burj-1 by AJWA Builders. (Main Building B/4 Zone # 02)

Our Ref. No. CL/CED/ 2956

Your Ref. No. DOC-BMC/AJWA/102

COMPRESSION TEST REPORT



Dated:

Dated:

18-09-23

11-09-23



Test Specification

(ASTM C39)

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

Specim	ens received on:	11-09-23 Tested on:		18-0	18-09-23 in c		condition	ONLINE REPORT				
Sr. No.	Mark*	Cas	-	Date* YYYY	Size (in)	Wet Weight (Ka/ ams)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Liftwell wall Grid# H'/5'-6' (6000 Psi)	2	8	2023	6Diax12		14.4	28.28	96	7604		Non Engraved
7	Liftwell wall Grid# H'/5'-6' (6000 Psi)	2	8	2023	6Diax12		15	28.28	102	8079		Non Engraved
3	Liftwell wall Grid# H'/5'-6' (6000 Psi)	2	8	2023	6Diax12		14.6	28.28	112	8871		Non Engraved
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Witness	ed by: Nil											

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

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5880 Dr. M.Yousaf

Test Specification

(ASTM C39)

To: Mr. Muhammad Irfan

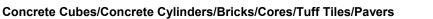
Material Engineer, Banu Mukhtar Contracting (Pvt.) Ltd.

Project: Burj-1 by AJWA Builders. (Main Building B/2 Zone # 02)

Our Ref. No. CL/CED/ 2957

Your Ref. No. DOC-BMC/AJWA/104

COMPRESSION TEST REPORT



Specimens received on: 11-09-23				-23	Tested on:	18-0	9-23	in dry/wet	t condition			ONLINE REPORT
Sr. No.	Mark*		-	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	Cols. #04 Grids # B- C/6(6000 Psi)	12	8	2023	6Diax12		14	28.28	111	8792		Non Engraved
7	Cols. #04 Grids # B- C/6(6000 Psi)	12	8	2023	6Diax12		14.2	28.28	118	9347		Non Engraved
3	Cols. #04 Grids # B- C/6(6000 Psi)	12	8	2023	6Diax12		14	28.28	118	9347		Non Engraved
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Witness	sed by: Nil											

Dated:

Dated:

18-09-23

11-09-23

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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 compressive 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)