

the lab for record. 7776

Dr. M. Yousaf

To: Engr. Hassan Mahmood Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Construction of DHA New Lif Columns at Grid # (L/7-8, 11-12), (M/9-	e Residencia Apartments at 273/1, Q Bloc 11), (J/3-9), (K/8-9,10-13) of B Block.	k Phase-II DHA , Lahore.
Our Ref. No. CL/CED/ 5898	Dated:	16-09-24
Your Ref. No. G3/DHA/NLD/RE/2	53 Dated:	04-09-24

Your Ref. No. G3/DHA/NLD/RE/253

COMPRESSION TEST REPORT



Test Specification

(ASTM C39)

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

Specim	Specimens received on: 09-09-24		-24	Tested on:	16-0)9-24	in dry/wet	t condition			ONLINE REPORT	
Sr. No.	Mark*	Cas DD		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	Columns (5000 Psi)	30	8	2024	6Diax12		14	28.28	44	3485		Engraved
2	Columns (5000 Psi)	30	8	2024	6Diax12		14	28.28	42	3327		Engraved
3	Columns (5000 Psi)	30	8	2024	6Diax12		14	28.28	39	3089		Engraved
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13												
14												
15												
16												
Witness	ed by: Nil											

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 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)



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.

7776 Dr. M. Yousaf

To: Engr. Hassan Mahmood Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Construction of DHA New Life Residencia Apartments at 273/1, Q Block Phase-II DHA , Lahore. (Slab 8A Apartment at 3rd Floor of Block A.) Our Ref. No. CL/CED/ 5899 Dated: 16-09-24 **Test Specification** Your Ref. No. G3/DHA/NLD/RE/252 Dated: 04-09-24

COMPRESSION TEST REPORT



(ASTM C39)

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

Specim	Specimens received on: 09-09-2			-24	Tested on:	16-0	9-24	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas	-	Date*	Size	Wet Weight		Area of X-Section		Ultimate Stress	Water Absorpti on (%)	Remarks
1	Slab 3rd Floor	7	8	2024	(in) 6Diax12	(Kg/ gms) 	(Kg/ gms) 13.2	(Sq. in) 28.28	(Imp.Tons) 48	(psi) 3802		Engraved
2	(4000 Psi) Slab 3rd Floor	7	8	2024	6Diax12		13.4	28.28	56	4436		Engraved
3	(4000 Psi) Slab 3rd Floor (4000 Psi)	7	8	2024	6Diax12		13.4	28.28	44	3485		Engraved
4												
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6),	READ N	207	×				
7					11	OF THY HORD WHO OREATES	ن ک ے۔ ان کی خلیش	<u>2</u>				
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16		1										
Witness	ed by: Nil					1		1	1			

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

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

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7801 Dr. M. Yousaf

To: Engr. Zaheer ud din Babar

Deputy General Manager Projects, Habib Rafiq Engineering Pvt. Ltd.

Project: Construction of Sky Gardens Tower, Lahore. (New Additional Columns at level B1, C13, C8A and C8C at Grid (E/2-3)) Our Ref. No. CL/CED/ 5900 Dated: 16-09-24 **Test Specification** Your Ref. No. HRL/SKG/2024/166 Dated: 12-09-24

COMPRESSION TEST REPORT



(ASTM C39)

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

Specim	ens received on:	1	2-09	-24	Tested on:	16-0	9-24	in dry/wet	t 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 Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	(8000 Psi)	16	8	2024	6Diax12		13.8	28.28	76	6020		Non Engraved
2	(8000 Psi)	16	8	2024	6Diax12		14	28.28	98	7762		Non Engraved
3	(8000 Psi)	16	8	2024	6Diax12		14	28.28	119	9426		Non Engraved
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Witness	ed 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 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.



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.

7768 Dr. M. Yousaf

To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). (Construction of Family Flats = 01). (Stair G.F, 1st Floor 2nd Floor) Our Ref. No. CL/CED/ 5901 Dated: 16-09-24 Dated: 09-09-24

Your Ref. No. G3/UON-RE/636

COMPRESSION TEST REPORT



Test Specification

(ASTM C39)

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

Specim	ens received on:	0	9-09	-24	Tested on:	16-0	9-24	in dry/we	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	Stair (3000 psi)	4	6	2024	6Diax12		13.2	28.28	75	5941		Engraved
2	Stair (3000 psi)	4	6	2024	6Diax12		13.2	28.28	40	3168		Engraved
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14												
15												
16												
Witness	ed 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 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.



Civil Engineering Department

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



7768 Dr. M. Yousaf

To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). (Constrution of Jamia Masjid). (1st Floor Column, Portion B) Our Ref. No. CL/CED/ 5902 Dated: 16-09-24 Dated: 09-09-24

Your Ref. No. G3/UON-RE/628

COMPRESSION TEST REPORT



Test Specification

(ASTM C39)

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

Specim	ens received on:	0	9-09	-24	Tested on:	16-0)9-24	in dry/we	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	Column (4000 Psi)	18	7	2024	6Diax12		13.2	28.28	46	3644		Engraved
2	Column (4000 Psi)	18	7	2024	6Diax12		13.2	28.28	78	6178		Engraved
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Vitness	ed 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 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)



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.

7768 Dr. M. Yousaf

To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). (Construction of Jamia Masjid). (1st Floor Roof Slab Portion B) Our Ref. No. CL/CED/ 5903 Dated: 16-09-24 Dated: 09-09-24

Your Ref. No. G3/UON-RE/629

COMPRESSION TEST REPORT



Test Specification

(ASTM C39)

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

Specim	ens received on:	0	9-09	-24	Tested on:	16-0)9-24	in dry/wet	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	-	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	Slab (3000 Psi)	6	8	2024	6Diax12		14	28.28	38	3010		Engraved
2	Slab (3000 Psi)	6	8	2024	6Diax12		14	28.28	39	3089		Engraved
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Witness	ed 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 comprensive strength

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

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Supervisor (Lab)



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.

7768 Dr. M. Yousaf

To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). (Construction of Family Flats = 01). (Mumty Column) Our Ref. No. CL/CED/ 5904 Dated: 16-09-24 Dated: 09-09-24

Your Ref. No. G3/UON-RE/637

COMPRESSION TEST REPORT



Test Specification

(ASTM C39)

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

Specim	ens received on:	0	9-09	-24	Tested on:	16-0	9-24	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*		-	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	Columns (4000 Psi)	3	6	2024	6Diax12		13.4	28.28	84	6653		Engraved
2	Columns (4000 Psi)	3	6	2024	6Diax12		13	28.28	43	3406		Engraved
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16												
Witness	ed 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 comprensive strength

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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 Mobile: 0307-0496895 Landline: 042-99029245 & 042-99029202



7788 Dr. M. Yousaf

To: Sub Divisional Officer

Maintenance Sub Division No.1, GOR-1, Lahore.

Project: Construction of Office Building Punjab Educational Endowment Fund (PEEF), Lahore.

Our Ref. No. CL/	CED/ 5905	Dated:	16-09-24	Test Specification
Your Ref. No.	1121 MSD-1, GOR-1	Dated:	09-09-24	(ASTM C39)

COMPRESSION TEST REPORT



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

Specim	ens received on:	1	1-09	-24	Tested on:	16-0)9-24	in dry/we	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 Stress (psi)	Water Absorpti on (%)	Remarks
1	(1:2:4)	26	8	2024	6Diax12		13.2	28.28	70	5545		Non Engraved
2	(1:2:4)	26	8	2024	6Diax12		13	28.28	35	2772		Non Engraved
3	(1:2:4)	26	8	2024	6Diax12		13.2	28.28	43	3406		Non Engraved
4						/						
5						NHNE	RING					
6					>	READ IN	2071					
7						OF THY HORD WHO CREATES	زیجب ان کی خلق ر					
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Witness	ed 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)

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3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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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)



Civil Engineering Department

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

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

7788 Dr. M. Yousaf

To: Sub Divisional Officer

Maintenance Sub Division No.1, GOR-1, Lahore.

Project: Construction of Office Building Punjab Educational Endowment Fund (PEEF), Lahore

Our Ref. No. CL/	CED/ 5906	Dated:	16-09-24	Test Specification
Your Ref. No.	1122 MSD-1, GOR-1	Dated:	09-09-24	(ASTM C39)

COMPRESSION TEST REPORT



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

Specime	ens received on:	1	1-09	-24	Tested on:	16-0	9-24	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*		-	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	(1:2:4)	26	8	2024	6Diax12		13	28.28	69	5465		Non Engraved
2	(1:2:4)	26	8	2024	6Diax12		12.2	28.28	39	3089		Non Engraved
3	(1:2:4)	26	8	2024	6Diax12		12.2	28.28	37	2931		Non Engraved
4												
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6					-)	READ IN	2071					
7						OF THY GRAD WHC CREATES	زیجب الد فی خلق ر	133				
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Witness	ed by: Nil						•	•		•		

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

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Civil Engineering Department

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7769 Dr. M. Yousaf

To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). (Construction of Grade 18,19). (Ground Floor Slab # 02, 03) Our Ref. No. CL/CED/ 5907 Dated: 16-09-24 Dated: 09-09-24

Your Ref. No. G3/UON-RE/633

COMPRESSION TEST REPORT



Test Specification

(ASTM C39)

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

Specim	09-09-24 Tested on:		Tested on:	16-09-24		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 Stress (psi)	Water Absorpti on (%)	Remarks
1	Ground Floor Slab (3000 Psi)	3	8	2024	6Diax12		13.4	28.28	36	2851		Engraved
2	Ground Floor Slab (3000 Psi)	3	8	2024	6Diax12		14	28.28	47	3723		Engraved
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Witness	Witnessed by: Nil											

witnessea by: Nii

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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7769 Dr. M. Yousaf

To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). (Construction of Guest House) Our Ref. No. CL/CED/ 5908 Dated: 16-09-24 Your Ref. No. G3/UON-RE/627 Dated: 09-09-24

COMPRESSION TEST REPORT



Test Specification

(ASTM C39)

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

Specimens received on:			09-09-24 T		Tested on:	16-09-24		in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*		-	Date*	Size (in)	Wet Weight (Ka/ ams)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	1st Floor Column (4000 Psi)	2	7	2024	6Diax12		13.8	28.28	46	3644		Engraved
2	(4000 Psi) 1st Floor Column (4000 Psi)	2	7	2024	6Diax12		14	28.28	52	4119		Engraved
3												
4												
5						NHNE	RING					
6					- 2	READ IN	2071					
7						OF THY CORD WHO CREATES	ز ب ک اند کی خلق ر	133				
8												
9					>			~				
10					<	/ A	IOR <u>E</u>					
11												
12												
13												
14												
15												
16												
Witnessed by: Nil												

witnessea by: Nii

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

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

7769 Dr. M. Yousaf

To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). (Construction of Family Flats # 03) Our Ref. No. CL/CED/ 5909 Dated: 16-09-24 Dated: 09-09-24

Your Ref. No. G3/UON-RE/635

COMPRESSION TEST REPORT



Test Specification

(ASTM C39)

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

Specime	ens received on:	s received on: 09-09-24 Tested on: 16-09-24 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 Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Mumty Column (4000 Psi)	3	1	2024	6Diax12		14	28.28	57	4515		Engraved
2	Mumty Column (4000 Psi)	3	1	2024	6Diax12		13.4	28.28	40	3168		Engraved
3												
4												
5						WHINE	RING A					
6)	READIN	2071					
7						OF THY GRATES	زیجب اندکی خلق ر	£21				
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16												
Witnessed by: Nil												

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witnessea by: Nii

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

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)



Civil Engineering Department

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

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

7769 Dr. M. Yousaf

To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component).

Our Ref. No. CL/	ur Ref. No. CL/CED/ 5910 our Ref. No. G3/UON-RE/631		16-09-24	Test Specification
Your Ref. No.	G3/UON-RE/631	Dated:	09-09-24	(BS 3921**)

COMPRESSION TEST REPORT

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

ens received on:	0	9-09	-24	Tested on:	16-0)9-24	in dry/wet condition		ONLINE REPORT		
Mark*		-		Size	Wet Weight	Dry Weight			Stress	Water Absorpti on (%)	Remarks
Р				8.8 x 4.2 x 2.9	(Rg/ gms) 3480	3095	36.96	(imp.rons) 44	2667	12.44	
Р				8.8 x 4.2 x 2.8	3430	3010	36.96	48	2909	13.95	
Р				8.8 x 4.2 x 2.9	3565	3115	36.96	38	2303	14.45	
Р				8.7 x 4.3 x 3	3535	3045	37.41	44	2635	16.09	
Р				8.9 x 4.4 x 3	3570	3060	39.16	34	1945	16.67	
);		2071					
					OF THY CORD WHO CREATES	ریجی۔ اند کی خلق ر	133				
				S.R. 1							
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				<	LA	IORE.					
	Mark* P P P P P P	Mark* Cas P <tr tr=""> P</tr>	Mark* Casting DD MM P P	Mark* Casting Date* DD MM YYYY P P	Mark* Casting Date* Size DD MM YYY (in) P 8.8 x 4.2 x 2.9 P 8.7 x 4.3 x 3 P 8.9 x 4.4 x 3 <td>Mark* Casting Date* Size Wet Weight DD MM YYYY (in) (Kg/ gms) P 8.8 x 4.2 x 2.9 3480 P 8.8 x 4.2 x 2.9 3480 P 8.8 x 4.2 x 2.9 3565 P 8.8 x 4.2 x 2.9 3565 P 8.8 x 4.2 x 2.9 3565 P 8.7 x 4.3 x 3 3570 8.9 x 4.4 x 3 3570 8.9 x 4.4 x 3 3570 8.9 x 4.4 x 3 3570 </td> <td>Mark* Casting Date* Size Wet Weight Dry Weight P 8.8 x 4.2 x 2.9 3480 3095 P 8.8 x 4.2 x 2.9 3480 3095 P 8.8 x 4.2 x 2.9 3480 3010 P 8.8 x 4.2 x 2.9 3565 3115 P 8.8 x 4.2 x 2.9 3565 3045 P 8.7 x 4.3 x 3 3535 3060 8.9 x 4.4 x 3 3570 3060 8.9 x 4.4 x 3 3570 3060 </td> <td>Mark* Casting Date* Size Wet Weight Weight (Kg/ gms) Area of X-Section (Sq. in) P 8.8 x 4.2 x 2.9 3480 3095 36.96 P 8.8 x 4.2 x 2.9 3480 3010 36.96 P 8.8 x 4.2 x 2.9 3565 3115 36.96 P 8.8 x 4.2 x 2.9 3565 3115 36.96 P 8.7 x 4.3 x 3 3535 3045 37.41 P 8.9 x 4.4 x 3 3570 3060 39.16 </td> <td>Mark* Casting Date* Size Wet Weight (Kg/ gms) Dry Weight (Sq. in) Area of Ioad (Imp.Tons) P 8.8 x 4.2 x 2.9 3480 3095 36.96 44 P 8.8 x 4.2 x 2.9 3480 3010 36.96 48 P 8.8 x 4.2 x 2.9 3565 3115 36.96 48 P 8.8 x 4.2 x 2.9 3565 3115 36.96 38 P 8.8 x 4.2 x 2.9 3565 3115 36.96 38 P 8.7 x 4.3 x 3 3570 3060 39.16 34 8.9 x 4.4 x 3 3570 3060 39.16 34 <t< td=""><td>Mark* Casting Date* Size Wet Weight (Kg/ gms) Area of X-Section (Imp. Tons) (psi) Ultimate Stress (psi) P 8.8 x 4.2 x 2.9 3480 3095 36.96 44 2667 P 8.8 x 4.2 x 2.9 3480 3010 36.96 48 2909 P 8.8 x 4.2 x 2.9 3565 3115 36.96 48 2909 P 8.8 x 4.2 x 2.9 3565 3115 36.96 38 2303 P 8.7 x 4.3 x 3 3535 3045 37.41 44 2635 P 8.9 x 4.4 x 3 3570 30600 39.16 34 1945 <!--</td--><td>Mark* Casting Date* Size Wet Weight (Kg/gms) Dry Weight (Kg/gms) Area of Mutate Italian Ultimate Stress (ps) Water Absorption (%) P 8.8 x 4.2 x 2.9 3480 3095 36.96 44 2667 12.44 P 8.8 x 4.2 x 2.9 3480 3095 36.96 44 2667 12.44 P 8.8 x 4.2 x 2.9 3565 3115 36.96 48 2909 13.95 P 8.7 x 4.3 x 3 3535 3045 37.41 44 2635 16.09 P 8.7 x 4.3 x 3 3570 3060 39.16 34 1945 16.67 </td></td></t<></td>	Mark* Casting Date* Size Wet Weight DD MM YYYY (in) (Kg/ gms) P 8.8 x 4.2 x 2.9 3480 P 8.8 x 4.2 x 2.9 3480 P 8.8 x 4.2 x 2.9 3565 P 8.8 x 4.2 x 2.9 3565 P 8.8 x 4.2 x 2.9 3565 P 8.7 x 4.3 x 3 3570 8.9 x 4.4 x 3 3570 8.9 x 4.4 x 3 3570 8.9 x 4.4 x 3 3570	Mark* Casting Date* Size Wet Weight Dry Weight P 8.8 x 4.2 x 2.9 3480 3095 P 8.8 x 4.2 x 2.9 3480 3095 P 8.8 x 4.2 x 2.9 3480 3010 P 8.8 x 4.2 x 2.9 3565 3115 P 8.8 x 4.2 x 2.9 3565 3045 P 8.7 x 4.3 x 3 3535 3060 8.9 x 4.4 x 3 3570 3060 8.9 x 4.4 x 3 3570 3060	Mark* Casting Date* Size Wet Weight Weight (Kg/ gms) Area of X-Section (Sq. in) P 8.8 x 4.2 x 2.9 3480 3095 36.96 P 8.8 x 4.2 x 2.9 3480 3010 36.96 P 8.8 x 4.2 x 2.9 3565 3115 36.96 P 8.8 x 4.2 x 2.9 3565 3115 36.96 P 8.7 x 4.3 x 3 3535 3045 37.41 P 8.9 x 4.4 x 3 3570 3060 39.16	Mark* Casting Date* Size Wet Weight (Kg/ gms) Dry Weight (Sq. in) Area of Ioad (Imp.Tons) P 8.8 x 4.2 x 2.9 3480 3095 36.96 44 P 8.8 x 4.2 x 2.9 3480 3010 36.96 48 P 8.8 x 4.2 x 2.9 3565 3115 36.96 48 P 8.8 x 4.2 x 2.9 3565 3115 36.96 38 P 8.8 x 4.2 x 2.9 3565 3115 36.96 38 P 8.7 x 4.3 x 3 3570 3060 39.16 34 8.9 x 4.4 x 3 3570 3060 39.16 34 <t< td=""><td>Mark* Casting Date* Size Wet Weight (Kg/ gms) Area of X-Section (Imp. Tons) (psi) Ultimate Stress (psi) P 8.8 x 4.2 x 2.9 3480 3095 36.96 44 2667 P 8.8 x 4.2 x 2.9 3480 3010 36.96 48 2909 P 8.8 x 4.2 x 2.9 3565 3115 36.96 48 2909 P 8.8 x 4.2 x 2.9 3565 3115 36.96 38 2303 P 8.7 x 4.3 x 3 3535 3045 37.41 44 2635 P 8.9 x 4.4 x 3 3570 30600 39.16 34 1945 <!--</td--><td>Mark* Casting Date* Size Wet Weight (Kg/gms) Dry Weight (Kg/gms) Area of Mutate Italian Ultimate Stress (ps) Water Absorption (%) P 8.8 x 4.2 x 2.9 3480 3095 36.96 44 2667 12.44 P 8.8 x 4.2 x 2.9 3480 3095 36.96 44 2667 12.44 P 8.8 x 4.2 x 2.9 3565 3115 36.96 48 2909 13.95 P 8.7 x 4.3 x 3 3535 3045 37.41 44 2635 16.09 P 8.7 x 4.3 x 3 3570 3060 39.16 34 1945 16.67 </td></td></t<>	Mark* Casting Date* Size Wet Weight (Kg/ gms) Area of X-Section (Imp. Tons) (psi) Ultimate Stress (psi) P 8.8 x 4.2 x 2.9 3480 3095 36.96 44 2667 P 8.8 x 4.2 x 2.9 3480 3010 36.96 48 2909 P 8.8 x 4.2 x 2.9 3565 3115 36.96 48 2909 P 8.8 x 4.2 x 2.9 3565 3115 36.96 38 2303 P 8.7 x 4.3 x 3 3535 3045 37.41 44 2635 P 8.9 x 4.4 x 3 3570 30600 39.16 34 1945 </td <td>Mark* Casting Date* Size Wet Weight (Kg/gms) Dry Weight (Kg/gms) Area of Mutate Italian Ultimate Stress (ps) Water Absorption (%) P 8.8 x 4.2 x 2.9 3480 3095 36.96 44 2667 12.44 P 8.8 x 4.2 x 2.9 3480 3095 36.96 44 2667 12.44 P 8.8 x 4.2 x 2.9 3565 3115 36.96 48 2909 13.95 P 8.7 x 4.3 x 3 3535 3045 37.41 44 2635 16.09 P 8.7 x 4.3 x 3 3570 3060 39.16 34 1945 16.67 </td>	Mark* Casting Date* Size Wet Weight (Kg/gms) Dry Weight (Kg/gms) Area of Mutate Italian Ultimate Stress (ps) Water Absorption (%) P 8.8 x 4.2 x 2.9 3480 3095 36.96 44 2667 12.44 P 8.8 x 4.2 x 2.9 3480 3095 36.96 44 2667 12.44 P 8.8 x 4.2 x 2.9 3565 3115 36.96 48 2909 13.95 P 8.7 x 4.3 x 3 3535 3045 37.41 44 2635 16.09 P 8.7 x 4.3 x 3 3570 3060 39.16 34 1945 16.67

witnessea by:

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

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 <u>ORIGINAL</u> A carbon copy for the report has been retained in the lab for record.

7712 Dr. M. Yousaf

To: Mr. Muhammad Jan

Senior Site Inspector, Designmen Consulting Engineers (Pvt) Ltd.

Project: Construction of Allama Iqbal Open University, Regional Campus Building at Sheikhupura.

Our Ref. No. CL/	/CED/ 5911	Dated:	16-09-24	Test Specification
Your Ref. No.	348/2022/AIOU-SKP/LAB/25	Dated:	27-08-24	()

COMPRESSION TEST REPORT



Specimens received on:		30-08-24		-24	Tested on: 16-09-		9-24	-24 in dry/wet condition				
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)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	S8				8.8 x 4.2 x 2.9	3360	3055	36.96	44	2667	9.98	
2	S8				8.7 x 4.3 x 2.9	3425	3125	37.41	44	2635	9.6	
3	S 8				8.8 x 4.2 x 2.8	3435	3040	36.96	34	2061	12.99	
4	S8				8.8 x 4.2 x 2.9	3520	3115	36.96	40	2424	13	
5					<	NETNE	RING					
6)	READ IN	2071					
7						OF THY GORD WHC CREATES	زیجب الدی خلق ر	133				
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Witnessed by:												

Witnessed by:

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

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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)

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

7794 Dr. M. Yousaf

Test Specification

(----)

To: Mr. Zaheer Ahmad

Chief Executive Officer, SAMCON Associates.

Project: Construction of SKF Cow Farm, Sheikhupura.

Our Ref. No. CL/CED/ 5912

Your Ref. No. SAM/NESTLE/SKF/24/14

COMPRESSION TEST REPORT



vet condition			
te Water Absorpti on (%)	Remarks		
011 (%)			

Dated:

Dated:

16-09-24

11-09-24

Witnessed by:

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)

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



Plain and Reinforced Concrete Laboratory Civil Engineering Department

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

7794 Dr. M. Yousaf

To: Lt. Col. (R) Muhammad Ibrahim

Senior Estate Engineer, Sundar Industrial Estate, Lahore.

Project: Development of Tube Well no.7 and Rehabilitation of OHR-1

Our Ref. No. CL/	CED/ 5913	Dated:	16-09-24	Test Specification
Your Ref. No.	BOM/SIE/BCD-9-24/600	Dated:	04-09-24	(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on:		05-09-24 Te		Tested on:	16-09-24		in dry/wet condition					
Sr. No.	Mark*		-	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (70)	
1	MD				8.8 x 4.3 x 2.9	3590	3245	37.84	48	2841	10.63	
2	MD				9 x 4.3 x 2.9	3615	3125	38.7	25	1447	15.68	
3	MD				8.9 x 4.3 x 2.9	3640	3160	38.27	35	2049	15.19	
4	MD				8.8 x 4.3 x 2.8	3520	3140	37.84	41	2427	12.1	
5	MD				9 x 4.3 x 3	3935	3390	38.7	34	1968	16.08	
6	MD				8.9 x 4.3 x 3	3665	3170	38.27	40	2341	15.62	
7						OF THY CREATES	زیک الذکی خلوش					
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Witnessed by:												

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

Supervisor (Lab)



Civil Engineering Department

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

7816 Dr. M. Yousaf

То:	Engr. Haseeb Af Project Manager	zal , HMB Developers (Pvt) Ltd.								
	Project: Commercial Tower, Finance Trade Centre, Lahore. (6th Floor Columns A~G/1,2,4 Pick up Columns G,F,E,C/4' B'/4)									
	Our Ref. No. CL/	CED/ 5914	Dated:	16-09-24	Test Specification					
	Your Ref. No.	HMBDPL/S.O/09/24/130 (LHR)	Dated:	16-09-24	(ASTM C39)					

COMPRESSION TEST REPORT



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

Specimens received on: 16-09-24 Tested on: 16-09-24 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	CT-138 (5000 Psi)	19	8	2024	6Diax12		13	28.28	64	5069		Non Engraved
2	CT-138 (5000 Psi)	19	8	2024	6Diax12		13.4	28.28	88	6970		Non Engraved
3	CT-138 (5000 Psi)	19	8	2024	6Diax12		13.4	28.28	51	4040		Non Engraved
4										-		
5					-	THE	RING			-		
6					-	READIN						
7						OF THY HORD WHO OREATES	ر <u>چ</u> ۔ ان د کی خلق ر					
8					S.R. 1					-		
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11												
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14												
15												
16	16											
Witnessed by: Mr. Ghulam Nabi CNIC # 35201-1248412-1												

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

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)