

Plain and Reinforced Concrete Laboratory

Civil Engineering Department

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

2674 Dr. Umbreen

To: Mr. Muhammad Shahbaz For and behalf of Imperium Hospitality (Pvt) Ltd.

Project: Nil				
Our Ref. No. CL/CI	ED/ 7038	Date	d: 04-02-22	Test Specification
Your Ref. No.	IHPL/Con/648	Date	d: 26-01-22	(ASTM C39)

COMPRESSION TEST REPORT



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

Specim	ens received on:	2	8-01	-22	Tested on:	02-0)2-22	in dry/wet condition				
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti on (%)	Remarks
		00			(III)	(Kg/ gins)	(Kg/ gms)	(3q. 11)	(imp.rons)	(psi)	. ,	
1	(6000 Psi)	18	1	2022	6Diax12		14	28.28	81	6416		Non Engraved
2	(6000 Psi)	18	1	2022	6Diax12		14	28.28	88	6970		Non Engraved
3	(6000 Psi)	18	1	2022	6Diax12		13.8	28.28	81	6416		Non Engraved
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16												
Witness	od by: Engr Bafil	Illah			ar Ali Haspain	Khan /KB	2)					

witnessed by: Engr. Rati Ullah (IHPL) , Engr. Ali Hasnain Khan (KB) Results can also be seen on website <u>https://civil.uet.edu.pk/concrete-laboratory-reports1/</u>

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.



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2674 Dr. Umbreen

To: Mr. Muhammad Shahbaz

For and behalf of Imperium Hospitality (Pvt) Ltd.

Project: Nil				
Our Ref. No. CL/C	ED/ 7039	Dated:	04-02-22	Test Specification
Your Ref. No.	IHPL/Con/647	Dated:	26-01-22	(ASTM C39)

COMPRESSION TEST REPORT

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

Specim	ens received on:	2	8-01	-22	Tested on:	02-0)2-22	in dry/we	t condition			ONLINE REPORT
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	(4000 Psi)	17	1	2022	6Diax12		13.8	28.28	81	6416		Non Engraved
2	(4000 Psi)	17	1	2022	6Diax12		14	28.28	63	4990		Non Engraved
3	(4000 Psi)	17	1	2022	6Diax12		14	28.28	67	5307		Non Engraved
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5					/	GINE	RIATE					
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16												
Witness	ed by: Engr. Rafi	Ullał	n (IHF	PL) . E	ngr. Ali Hasna	in Khan (K	(B)					

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

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory



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2674 Dr. Umbreen

To: Mr. Muhammad Shahbaz

For and behalf of Imperium Hospitality (Pvt) Ltd.

Project: Nil				
Our Ref. No. CL/	CED/ 7040	Dated:	04-02-22	Test Specification
Your Ref. No.	IHPL/Con/646	Dated:	26-01-22	(ASTM C39)

COMPRESSION TEST REPORT

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

Specim	ens received on:	2	8-01	-22	Tested on:	02-0)2-22	in dry/we	t condition			ONLINE REPORT
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	(6000 Psi)	17	1	2022	6Diax12		14	28.28	83	6574		Non Engraved
2	(6000 Psi)	17	1	2022	6Diax12		14	28.28	81	6416		Non Engraved
3	(6000 Psi)	17	1	2022	6Diax12		13.4	28.28	79	6257		Non Engraved
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16												
Witness	ed by: Engr. Rafi	Ullah	n (IHF	PL).E	ngr. Ali Hasna	in Khan (K	(B)					

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

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory



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2674 Dr. Umbreen

To: Mr. Muhammad Shahbaz

For and behalf of Imperium Hospitality (Pvt) Ltd.

Project: Nil				
Our Ref. No. CL/0	CED/ 7041	Dated:	04-02-22	Test Specification
Your Ref. No.	IHPL/Con/645	Dated:	26-01-22	(ASTM C39)

COMPRESSION TEST REPORT

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

Specim	ens received on:	2	8-01	-22	Tested on:	02-0)2-22	in dry/we	t condition			ONLINE REPORT
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	(6000 Psi)	16	1	2022	6Diax12		14	28.28	65	5149		Non Engraved
2	(6000 Psi)	16	1	2022	6Diax12		14	28.28	73	5782		Non Engraved
3	(6000 Psi)	16	1	2022	6Diax12		14	28.28	75	5941		Non Engraved
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Witness	ed by: Engr. Rafi	Ullah	n (IHE	PL) . E	ngr. Ali Hasna	in Khan (K	(B)					

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

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory



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2674 Dr. Umbreen

To: Mr. Muhammad Shahbaz

For and behalf of Imperium Hospitality (Pvt) Ltd.

Project: Nil				
Our Ref. No. CL/C	ED/ 7042	Dated:	04-02-22	Test Specification
Your Ref. No.	IHPL/Con/644	Dated:	26-01-22	(ASTM C39)

COMPRESSION TEST REPORT

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

Specim	ens received on:	2	8-01	-22	Tested on:	02-0)2-22	in dry/we	t condition			ONLINE REPORT
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	(6000 Psi)	14	1	2022	6Diax12		14	28.28	75	5941		Non Engraved
2	(6000 Psi)	14	1	2022	6Diax12		14.2	28.28	83	6574		Non Engraved
3	(6000 Psi)	14	1	2022	6Diax12		14	28.28	85	6733		Non Engraved
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Witness	Witnessed by: Engr. Rafi Ullah (IHPL), Engr. Ali Hasnain Khan (KB)											

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

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory



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2674 Dr. Umbreen

To: Mr. Muhammad Shahbaz

For and behalf of Imperium Hospitality (Pvt) Ltd.

Project: Nil				
Our Ref. No. CL/C	ED/ 7043	Dated:	04-02-22	Test Specification
Your Ref. No.	IHPL/Con/642	Dated:	26-01-22	(ASTM C39)

COMPRESSION TEST REPORT

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

Specim	ens received on:	2	8-01	-22	Tested on:	02-0)2-22	in dry/we	t condition			ONLINE REPORT
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 Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	(7000 Psi)	12	1	2022	6Diax12		14	28.28	83	6574		Non Engraved
2	(7000 Psi)	12	1	2022	6Diax12		14	28.28	86	6812		Non Engraved
3	(7000 Psi)	12	1	2022	6Diax12		14	28.28	94	7446		Non Engraved
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16												
Witness	Witnessed by: Engr. Rafi Ullah (IHPL), Engr. Ali Hasnain Khan (KB)											

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



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2674 Dr. Umbreen

To: Mr. Muhammad Shahbaz

For and behalf of Imperium Hospitality (Pvt) Ltd.

Project: Nil				
Our Ref. No. CL/	CED/ 7044	Dated:	04-02-22	Test Specification
Your Ref. No.	IHPL/Con/643	Dated:	26-01-22	(ASTM C39)

COMPRESSION TEST REPORT

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

Specim	ens received on:	2	8-01	-22	Tested on:	02-0)2-22	in dry/we	t condition			ONLINE REPORT			
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	(4000 Psi)	13	1	2022	6Diax12		13.4	28.28	75	5941		Non Engraved			
2	(4000 Psi)	13	1	2022	6Diax12		13.8	28.28	83	6574		Non Engraved			
3	(4000 Psi)	13	1	2022	6Diax12		14	28.28	65	5149		Non Engraved			
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Witness	ed by: Engr. Rafi	Ullah	n (IHF	PL) , E	ngr. Ali Hasna	Witnessed by: Engr. Rafi Ullah (IHPL) , Engr. Ali Hasnain Khan (KB)									

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

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory



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To: Mr. Jamil Waris

For and behalf of Imperium Hospitality (Pvt) Ltd.

Project: Nil				
Our Ref. No. CL/C	ED/ 7045	Dated:	04-02-22	Test Specification
Your Ref. No.	IHPL/Con/641	Dated:	20-01-22	(ASTM C39)

COMPRESSION TEST REPORT

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

Specimo	ens received on:	2	8-01	-22	Tested on:	02-0)2-22	in dry/we	t condition			ONLINE REPORT
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	(7000 Psi), 10	28	12	2021	6Diax12		14	28.28	126	9980		Non Engraved
2	(7000 Psi), 11	28	12	2021	6Diax12		13.8	28.28	96	7604		Non Engraved
3	(7000 Psi), 14	28	12	2021	6Diax12		14	28.28	138	10931		Non Engraved
4												
5					-	RINE	RIATE					
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16												
Witness	ed by: Engr. Rafi	Ullah	n (IHF	PL), E	ngr. Ali Hasna	in Khan (K	(B)					

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



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To: Mr. Jamil Waris

For and behalf of Imperium Hospitality (Pvt) Ltd.

Project: Nil					
Our Ref. No. CL/C	ED/ 7046	D	Dated:	04-02-22	Test Specification
Your Ref. No.	IHPL/Con/640	D	Dated:	20-01-22	(ASTM C39)

COMPRESSION TEST REPORT

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

Specim	ens received on:	2	8-01	-22	Tested on:	02-0)2-22	in dry/we	t condition			ONLINE REPORT
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	(4000 Psi), 3	28	12	2021	6Diax12		14	28.28	90	7129		Non Engraved
2	(4000 Psi), 4	28	12	2021	6Diax12		13.8	28.28	94	7446		Non Engraved
3	(4000 Psi), 2	28	12	2021	6Diax12		14	28.28	92	7287		Non Engraved
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5					/	EINE	RIATE					
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Witness	Witnessed by: Engr. Rafi Ullah (IHPI) , Engr. Ali Hasnain Khan (KB)											

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory



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To: Mr. Jamil Waris

For and behalf of Imperium Hospitality (Pvt) Ltd.

Project: Nil				
Our Ref. No. CL/	CED/ 7047	Dated:	04-02-22	Test Specification
Your Ref. No.	IHPL/Con/638	Dated:	20-01-22	(ASTM C39)

COMPRESSION TEST REPORT

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

Specime	ens received on:	2	<u>8-01</u>	-22	Tested on:	02-0)2-22	in dry/we	t condition			ONLINE REPORT
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	(4000 Psi), 2	25	12	2021	6Diax12		13.2	28.28	73	5782		Non Engraved
2	(4000 Psi), 4	25	12	2021	6Diax12		13.6	28.28	79	6257		Non Engraved
3	(4000 Psi), 6	25	12	2021	6Diax12		13.8	28.28	81	6416		Non Engraved
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Witness	ed by: Engr. Rafi	Ullał	ı (IHF	2L), E	ngr. Ali Hasnai	in Khan (K	(B)					

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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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



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2668 Engr. Ubaid

To: (Lt Col Muhammad Asif, Retd), Site Administrator Bismillah Housing Society Phase-II, Mustafa Abad (Laliani) Lahore.

Project: Fountain Park Wall			
Our Ref. No. CL/CED/ 7048	Dated:	04-02-22	Test Specification
Your Ref. No. Nil	Dated:	25-01-22	(ASTM C39)

COMPRESSION TEST REPORT



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

Specim	ens received on:	2	7-01	-22	Tested on:	03-0)2-22	in dry/we	t condition			ONLINE REPORT
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	3000 Psi	26	12	2021	6Diax12		13	28.28	25	1980		Engraved
2	3000 Psi	26	12	2021	6Diax12		13	28.28	33	2614		Engraved
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4												
5					-	HINE	RIATE					
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15												
16												
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

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory



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2668 Engr. Ubaid

To: (Lt Col Muhammad Asif, Retd), Site Administrator Bismillah Housing Society Phase-II, Mustafa Abad (Laliani) Lahore.

Project: Fountain Park Wa	ll l		
Our Ref. No. CL/CED/ 70	49 Dated:	04-02-22	Test Specification
Your Ref. No. Nil	Dated:	25-01-22	(ASTM C39)

COMPRESSION TEST REPORT



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

Specim	ens received on:	2	7-01	-22	Tested on:	03-0)2-22	in dry/we	t condition			ONLINE REPORT
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	3000 Psi	12	1	2022	6Diax12		13	28.28	35	2772		Engraved
2	3000 Psi	12	1	2022	6Diax12		13	28.28	29	2297		Engraved
3												
4												
5					/	RINE	RIATE					
6					>	T READ W	205 D					
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Witness	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



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

2668 Engr. Ubaid

To: (Lt Col Muhammad Asif, Retd), Site Administrator Bismillah Housing Society Phase-II, Mustafa Abad (Laliani) Lahore.

Project: Plaza # 5	0 Column			
Our Ref. No. CL/C	ED/ 7050	Dat	ed: 04-02-22	Test Specification
Your Ref. No.	Nil	Dat	ed: 25-01-22	(ASTM C39)

COMPRESSION TEST REPORT



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

Specim	ens received on:	2	7-01	-22	Tested on:	03-0)2-22	in dry/we	t condition			ONLINE REPORT
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	4000 Psi	20	12	2021	6Diax12		14	28.28	60	4752		Engraved
2	4000 Psi	20	12	2021	6Diax12		14	28.28	59	4673		Engraved
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5						HILE	RING					
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7						CORD WHO		F				
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11												
12												
13												
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 compressive strength

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory



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

2668 Engr. Ubaid

To: (Lt Col Muhammad Asif, Retd), Site Administrator Bismillah Housing Society Phase-II, Mustafa Abad (Laliani) Lahore.

Project: Head Office Mezzanine Slab			
Our Ref. No. CL/CED/ 7051	Dated:	04-02-22	Test Specification
Your Ref. No. Nil	Dated:	25-01-22	(ASTM C39)

COMPRESSION TEST REPORT



Specim	ens received on:	2	7-01	-22	Tested on:	03-0)2-22	in dry/we	t condition			ONLINE REPORT
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	3000 Psi	11	1	2022	6Diax12		14	28.28	43	3406		Engraved
2	3000 Psi	11	1	2022	6Diax12		13	28.28	33	2614		Engraved
3	3000 Psi	11	1	2022	6Diax12		13.6	28.28	45	3564		Engraved
4												
5					/	RINE	RINE					
6					>	READ W	2015 D					
7						DHE NAME OF THY LORD WHO	- F					
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13												
14												
15												
16												
Witness	od by: Nil											

vitnessed 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

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory



To: (Mr. Muhammad Mansha), Retd, Lt. Col. PM (JV) PEC Bldg Proj. NLC Engineers-Tijaarat Developers (JV), Lahore.

Project: Construction of PEC Regional Office, Lahore. (4th Floor Projection Wall Part-2)

Our Ref. No. CL/C	ED/ 7052	Dated:	04-02-22	Test Specification
Your Ref. No.	901/NLC-TD/(JV)/PEC/507	Dated:	21-01-22	(ASTM C39)

COMPRESSION TEST REPORT

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

Specim	ens received on:	2	4-01	-22	Tested on:	03-0	2-22	in dry/we	t condition			
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	1479	20	12	2021	6Diax12		13.4	28.28	81	6416		Non Engraved
2	1481	20	12	2021	6Diax12		14	28.28	64	5069		Non Engraved
3	1484	20	12	2021	6Diax12		13	28.28	69	5465		Non Engraved
4												
5					- /	RINE	RINE					
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7						DHE NAME CETHY LORD WHO	14.9	EB				
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11												
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13												
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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

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.

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

> 2644 Engr. Ubaid

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1.5 N.44

CI 44. CI

Director/Dy. Director Concrete Laboratory



To: (Mr. Muhammad Mansha), Retd, Lt. Col. PM (JV) PEC Bldg Proj. NLC Engineers-Tijaarat Developers (JV), Lahore.

Project: Construction of PEC Regional Office, Lahore. (4th Floor Projection Wall Part-1)

Our Ref. No. CL/C	ED/ 7053	Dated:	04-02-22	I
Your Ref. No.	901/NLC-TD/(JV)/PEC/506	Dated:	21-01-22	

COMPRESSION TEST REPORT

est Specification (ASTM C39)

ORIGINAL A carbon copy for

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the lab for record.

2644 Engr. Ubaid



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

Specim	ens received on:	2	4-01	-22	Tested on:	03-0	2-22	in dry/we	t condition			ONLINE REPORT
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	1471	18	12	2021	6Diax12		13.4	28.28	77	6099		Non Engraved
2	1475	18	12	2021	6Diax12		13.2	28.28	77	6099		Non Engraved
3	1477	18	12	2021	6Diax12		13.2	28.28	75	5941		Non Engraved
4												
5					/	RINE	RINE					
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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



To: (Mr. Muhammad Mansha), Retd, Lt. Col. PM (JV) PEC Bldg Proj. NLC Engineers-Tijaarat Developers (JV), Lahore.

Project: Construction of PEC Regional Office, Lahore. (Elevation Box Bottom Slab)

Our Ref. No. CL/C	ED/ 7054	Dated:	04-02-22	Test Specification
Your Ref. No.	901/NLC-TD/(JV)/PEC/509	Dated:	21-01-22	(ASTM C39)

COMPRESSION TEST REPORT

ASTM C39)

ORIGINAL A carbon copy for

the report has been retained in

the lab for record.

2644 Engr. Ubaid



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

Specim	ens received on:	2	4-01	-22	Tested on:	03-0)2-22	in dry/we	t condition			ONLINE REPORT
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	1499	25	12	2021	6Diax12		13.2	28.28	61	4832		Non Engraved
2	1502	25	12	2021	6Diax12		13.2	28.28	66	5228		Non Engraved
3	1505	25	12	2021	6Diax12		13.4	28.28	71	5624		Non Engraved
4												
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14												
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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



To: (Mr. Muhammad Mansha), Retd, Lt. Col. PM (JV) PEC Bldg Proj. NLC Engineers-Tijaarat Developers (JV), Lahore.

Project: Construction of PEC Regional Office, Lahore. (7th to 8th Floor 6 x Columns Part-1)

Our Ref. No. CL/C	ED/ 7055	Dated:	04-02-22
Your Ref. No.	901/NLC-TD/(JV)/PEC/508	Dated:	21-01-22

COMPRESSION TEST REPORT



Test Specification (ASTM C39)

ORIGINAL A carbon copy for

the report has been retained in

the lab for record.

2644 Engr. Ubaid

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

Specim	ens received on:	2	4-01	-22	Tested on:	03-0)2-22	in dry/we	t condition			ONLINE REPORT
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	1490	25	12	2021	6Diax12		13.8	28.28	67	5307		Non Engraved
2	1493	25	12	2021	6Diax12		13.4	28.28	75	5941		Non Engraved
3	1496	25	12	2021	6Diax12		14.8	28.28	67	5307		Non Engraved
4												
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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

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



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

To: Engr. Abdullah, Assistant Resident Engineer For and on behalf of M/s AR Engineers. (Contractor; M/S CBS)

Project: Construction of Jewel-1 Apartment Plaza at Gulberg-3, Lahore.

Our Ref. No. CL	/CED/ 7056	Dated:	04-02-22	Test Specification
Your Ref. No.	DOC#ARST-0018	Dated:	20-01-22	(ASTM C39)

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tut	f Tiles/Pavers	
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Specim	ens received on:	2	0-01	-22	Tested on:	02-0)2-22	in dry/we	t condition			ONLINE REPORT
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 (70)	
1	F.F. Columns, Grid A~G/1-10	14	12	2021	6Diax12		14.2	28.28	77	6099		Engraved
2	F.F. Columns, Grid A~G/1-10	14	12	2021	6Diax12		14.4	28.28	92	7287		Engraved
3	F.F. Columns, Grid A~G/1-10	14	12	2021	6Diax12		14.2	28.28	86	6812		Engraved
4												
5						ARTNE	RING					
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Witnose	and by: Nil											

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

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory



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

2624 Dr. Umbreen

To: Engr. Abdullah, Assistant Resident Engineer For and on behalf of M/s AR Engineers. (Contractor; M/S CBS)

Project: Construction of Jewel-1 Apartment Plaza at Gulberg-3, Lahore.

Our Ref. No. CL	/CED/ 7057	Dated:	04-02-22	Test Specification
Your Ref. No.	DOC#ARST-0017	Dated:	20-01-22	(ASTM C39)

COMPRESSION TEST REPORT

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

Specim	ens received on:	2	0-01	-22	Tested on:	02-0	2-22	in dry/we	t condition			ONLINE REPORT
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 Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	F.F. Columns, Grid A~G/1-10	7	12	2021	6Diax12		14	28.28	61	4832		Engraved
2	F.F. Columns, Grid A~G/1-10	7	12	2021	6Diax12		14.6	28.28	81	6416		Engraved
3	F.F. Columns, Grid A~G/1-10	7	12	2021	6Diax12		14.2	28.28	81	6416		Engraved
4												
5					/	GINE	RIATE					
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Witness	sed 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

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory



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

2624 Dr. Umbreen

To: Engr. Abdullah, Assistant Resident Engineer For and on behalf of M/s AR Engineers. (Contractor; M/S CBS)

Project: Construction of Jewel-1 Apartment Plaza at Gulberg-3, Lahore.

Our Ref. No. CL	/CED/ 7058	Dated:	04-02-22	Test Specification
Your Ref. No.	DOC#ARST-0020	Dated:	20-01-22	(ASTM C39)

COMPRESSION TEST REPORT

Concrete C	ubes/Concrete	Cylinders/Bricks/Co	ores/Tuff Tiles/Pavers
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Specim	ens received on:	2	<u>0-01</u>	-22	Tested on:	02-0)2-22	in dry/we	t condition			ONLINE REPORT
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 Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	F.F. Columns, Grid A~G/1-19	10	12	2021	6Diax12		14.4	28.28	73	5782		Engraved
2	F.F. Columns, Grid A~G/1-19	10	12	2021	6Diax12		15	28.28	57	4515		Engraved
3	F.F. Columns, Grid A~G/1-19	10	12	2021	6Diax12		14.4	28.28	83	6574		Engraved
4												
5						RINE	RIATE					
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14												
15												
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Witness	sod by: Nil											

Nitnessed 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

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory



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

2685 Engr. Ubaid

To: (Ubair ur Rehman, Retd), Lt. Col. SPM (JV) PEC Bldg Proj. NLC Engineers-Tijaarat Developers (JV), Lahore.

Project: Construction of PEC Regional Office, Lahore. (7th to 8th Floor 9 x Columns Part-4)

Our Ref. No. CL/	CED/ 7059	Dated:	04-02-22	Test Specification
Your Ref. No.	901/NLC-TD/(JV)/PEC/521	Dated:	31-01-22	(ASTM C39)

COMPRESSION TEST REPORT



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

Specim	ens received on:	0	2-02	-22	Tested on:	03-0	2-22	in dry/wet condition				ONLINE REPORT		
Sr. No.	Mark*	Casting Date*		Casting Date		Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
	4504	5			(11)	(rty/ gills)		(39.11)	(iiiip.10iis) 75	(psi)		New Engineering		
1	1534	5	1	2022	6Diax12		13.4	28.28	/5	5941		Non Engraved		
2	1540	5	1	2022	6Diax12		13	28.28	52	4119		Non Engraved		
3	1544	5	1	2022	6Diax12		13.4	28.28	52	4119		Non Engraved		
4														
5						RINE	RIATE							
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14														
15														
16														
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 comprensive strength

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory



(Ubair ur Rehman, Retd), Lt. Col. SPM (JV) PEC Bldg Proj. NLC Engineers-Tijaarat Developers (JV), Lahore.

Project: Construction of PEC Regional Office, Lahore. (7th to 8th Floor 7 x Columns Part-3)

Our Ref. No. CL/C	ED/ 7060	Dated:	04-02-22
Your Ref. No.	901/NLC-TD/(JV)/PEC/520	Dated:	31-01-22

COMPRESSION TEST REPORT

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

Specim	ens received on:	0	2-02	-22	Tested on:	03-0)2-22	in dry/wet condition				ONLINE REPORT						
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	1524	30	12	2021	6Diax12		12.8	28.28	70	5545		Non Engraved						
2	1526	30	12	2021	6Diax12		13	28.28	71	5624		Non Engraved						
3	1529	30	12	2021	6Diax12		14	28.28	70	5545		Non Engraved						
4																		
5						RINE	RIATE											
6						READ N												
7						DHE NAME OF THY LORD WHO		E .										
8					188													
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15																		
16																		
Witness	od by: Nil							With accord by Nil										

Nitnessed by: Nil

To:

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.



Test Specification (ASTM C39)

Director/Dy. Director Concrete Laboratory



NLC Engineers-Tijaarat Developers (JV), Lahore. Project: Construction of PEC Regional Office, Lahore. (7th to 8th Floor Columns Part-2 and Left Wall 7th to 8th Floor). Our Ref. No. CL/CED/ 7061 Dated: 04-02-22 Test Specification 901/NLC-TD/(JV)/PEC/519 31-01-22 Your Ref. No. Dated: (ASTM C39)

COMPRESSION TEST REPORT



ORIGINAL A carbon copy for

the report has been retained in

the lab for record.

2685 Engr. Ubaid

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

Specim	ens received on:	02-02-22		-22	Tested on:	03-02-22		in dry/wet condition				ONLINE REPORT
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	1516	29	12	2021	6Diax12		13	28.28	57	4515		Non Engraved
2	1520	29	12	2021	6Diax12		13	28.28	55	4356		Non Engraved
3	1522	29	12	2021	6Diax12		13.4	28.28	69	5465		Non Engraved
4												
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16												
Witness	ed by: Nil											

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

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