

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.

> 2527 Dr. Umbreen

To: M. Jahangir Khan

0

Project: Nil

Our Ref. No. CL/CED/ 6900 Dated: 19-01-22 <u>Test Specification</u>

Your Ref. No. Nil Dated: 04-01-22 (BS 3921\*\*)

### **COMPRESSION TEST REPORT**

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

Specimens received on: 04-01-22 Tested on: 19-01-22 in dry/wet condition





Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
	DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
Machine Made (Double Line)				8.4 x 4.1 x 2.6		2485	34.44	29	1886		
Machine Made (Double Line)				8.5 x 4.1 x 2.6		2450	34.85	27	1735		
Machine Made (Double Line)				8.6 x 4.2 x 2.5		2415	36.12	35	2171		
				8.5 x 4.1 x 2.7		2340	34.85	32	2057		
Machine Made (Double Line)				8.5 x 4.1 x 2.5	RILLE	2420	34.85	43	2764		
R-1				8.7 x 4.2 x 2.8	READIN	3320	36.54	55	3372		
R-1				8.6 x 4.2 x 2.9	DHE NAME OF THY LIDRO WHO	- 3360	36.12	55	3411		
R-1				8.6 x 4.2 x 2.8		3160	36.12	53	3287		
R-1				8.7 x 4.3 x 3	_	3425	37.41	53	3173		
R-1				8.9 x 4.3 x 2.9	-LA	3345	38.27	53	3102		
	Machine Made (Double Line) R-1 R-1 R-1 R-1 R-1	Machine Made (Double Line) R-1 R-1 R-1 R-1 R-1	Mark*  DD MM  Machine Made (Double Line)  R-1  R-1  R-1  R-1  R-1  R-1  R-1  R-	DD MM YYYY	Mark*  DD MM YYYY  (in)  Machine Made (Double Line)  R-1  R-1   R-1   R-1   R-1	Mark*         Casting Date*         Size         Weight           DD MM YYYY         (in)         (Kg/gms)           Machine Made (Double Line)           8.4 x 4.1 x 2.6            Machine Made (Double Line)           8.5 x 4.1 x 2.6            Machine Made (Double Line)           8.6 x 4.2 x 2.5            Machine Made (Double Line)           8.5 x 4.1 x 2.7            R-1           8.7 x 4.2 x 2.8            R-1           8.6 x 4.2 x 2.9            R-1           8.7 x 4.3 x 3            R-1           8.9 x 4.3 x 2.9                                 R-1           8.9 x 4.3 x 2.9 <td< td=""><td>Mark*         Casting Date*         Size         Weight         Weight           DD MM YYYY         (in)         (Kg/ gms)         (Kg/ gms)           Machine Made (Double Line)        </td><td>Mark*         Casting Date*         Size         Weight Weight Weight Weight (Kg/ gms)         X-Section (Sq. in)           Machine Made (Double Line) Machine Made (Double Line) Machine Made (Double Line)        </td><td>Mark*         Casting Date*         Size         Weight (Kg/ gms)         X-Section (Sq. in)         load (Imp.Tons)           Machine Made (Double Line)           8.4 x 4.1 x 2.6          2485         34.44         29           Machine Made (Double Line)           8.5 x 4.1 x 2.6          2450         34.85         27           Machine Made (Double Line)           8.6 x 4.2 x 2.5          2415         36.12         35           Machine Made (Double Line)           8.5 x 4.1 x 2.7          2340         34.85         32           Machine Made (Double Line)           8.5 x 4.1 x 2.5          2420         34.85         43           R-1           8.6 x 4.2 x 2.8          3320         36.54         55           R-1           8.6 x 4.2 x 2.8          3160         36.12         53           R-1           8.7 x 4.3 x 3          3425         37.41         53           R-1          </td><td>Mark*         Casting Date*         Size         Weight (Kg/gms)         X-Section load (Sq. in) (Imp.Tons) (psi)           Machine Made (Double Line)           8.4 x 4.1 x 2.6          2485         34.44         29         1886           Machine Made (Double Line)           8.5 x 4.1 x 2.6          2450         34.85         27         1735           Machine Made (Double Line)           8.6 x 4.2 x 2.5          2415         36.12         35         2171           Machine Made (Double Line)           8.5 x 4.1 x 2.7          2340         34.85         32         2057           Machine Made (Double Line)           8.5 x 4.1 x 2.5          2420         34.85         43         2764           R-1           8.6 x 4.2 x 2.8          3320         36.54         55         3372           R-1           8.6 x 4.2 x 2.8          3160         36.12         53         3287           R-1           8.7 x 4.3 x 3           &lt;</td><td>Mark*         Casting Date*         Size         Weight Weight (Kg/gms)         Weight (Kg/gms)         X-Section (Ioad Stress on (96))         Water Absorption (96) on (96) on (96) on (96)           Machine Made (Double Line)        </td></td<>	Mark*         Casting Date*         Size         Weight         Weight           DD MM YYYY         (in)         (Kg/ gms)         (Kg/ gms)           Machine Made (Double Line)	Mark*         Casting Date*         Size         Weight Weight Weight Weight (Kg/ gms)         X-Section (Sq. in)           Machine Made (Double Line) Machine Made (Double Line) Machine Made (Double Line)	Mark*         Casting Date*         Size         Weight (Kg/ gms)         X-Section (Sq. in)         load (Imp.Tons)           Machine Made (Double Line)           8.4 x 4.1 x 2.6          2485         34.44         29           Machine Made (Double Line)           8.5 x 4.1 x 2.6          2450         34.85         27           Machine Made (Double Line)           8.6 x 4.2 x 2.5          2415         36.12         35           Machine Made (Double Line)           8.5 x 4.1 x 2.7          2340         34.85         32           Machine Made (Double Line)           8.5 x 4.1 x 2.5          2420         34.85         43           R-1           8.6 x 4.2 x 2.8          3320         36.54         55           R-1           8.6 x 4.2 x 2.8          3160         36.12         53           R-1           8.7 x 4.3 x 3          3425         37.41         53           R-1	Mark*         Casting Date*         Size         Weight (Kg/gms)         X-Section load (Sq. in) (Imp.Tons) (psi)           Machine Made (Double Line)           8.4 x 4.1 x 2.6          2485         34.44         29         1886           Machine Made (Double Line)           8.5 x 4.1 x 2.6          2450         34.85         27         1735           Machine Made (Double Line)           8.6 x 4.2 x 2.5          2415         36.12         35         2171           Machine Made (Double Line)           8.5 x 4.1 x 2.7          2340         34.85         32         2057           Machine Made (Double Line)           8.5 x 4.1 x 2.5          2420         34.85         43         2764           R-1           8.6 x 4.2 x 2.8          3320         36.54         55         3372           R-1           8.6 x 4.2 x 2.8          3160         36.12         53         3287           R-1           8.7 x 4.3 x 3           <	Mark*         Casting Date*         Size         Weight Weight (Kg/gms)         Weight (Kg/gms)         X-Section (Ioad Stress on (96))         Water Absorption (96) on (96) on (96) on (96)           Machine Made (Double Line)

Witnessed by:

Results can also be seen on website <a href="https://civil.uet.edu.pk/concrete-laboratory-reports1/">https://civil.uet.edu.pk/concrete-laboratory-reports1/</a>

- 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

- 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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> 2598 Dr. Umbreen

To: Mr. Asim Ghafoor, Assistant Engineer

**Engineering Services Consultants.** 

Project: Short Consultancy Services for third Party Validation of Urban Sewerage/PCC & Tuff Tile Scheme

Narowal City Tehsil & District Narowal.

Our Ref. No. CL/CED/ 6901

Your Ref. No.

Dated: 19-01-22

Test Specification
(BS 3921\*\*)

Dated: 17-01-22

### **COMPRESSION TEST REPORT**

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

ESC/TPV-NRW/02

Specimens received on: 17-01-22 Tested on: 19-01-22 in dry/wet condition





Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	HLO				8.2 x 4 x 2.5		2335	32.8	21	1434		Used Brick
2	HLO				8.3 x 3.9 x 2.6		2310	32.37	24	1661		Used Brick
3	HLO			-	8.5 x 4.1 x 2.7		2510	34.85	27	1735		Used Brick
4	HLO				8.2 x 4 x 2.6		2415	32.8	27	1844		Used Brick
5	HLO				8.3 x 4 x 2.5	GINE	2355	33.2	32	2159		Used Brick
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Witnessed by:

Results can also be seen on website <a href="https://civil.uet.edu.pk/concrete-laboratory-reports1/">https://civil.uet.edu.pk/concrete-laboratory-reports1/</a>

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> 2597 Dr. Umbreen

To: Mr. Aamir Qayyum

**Assistant Construction Engineer** 

Project: The Citizens Foundation School at Awan Dhai Wala, Lahore.

Our Ref. No. CL/CED/ 6902 Dated: 19-01-22 <u>Test Specification</u>

Your Ref. No. TCF/UET/2021 Dated: 29-12-21 (BS 3921\*\*)

### **COMPRESSION TEST REPORT**

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

Specimens received on: 17-01-22 Tested on: 19-01-22 in dry/wet condition





Sr. No.	Mark*			Date*	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	7UP				8.6 x 4.2 x 2.9		3390	36.12	50	3101		
2	7UP				8.7 x 4.2 x 2.8		3420	36.54	57	3494		
3	7UP				8.9 x 4.4 x 2.9		3340	39.16	45	2574		
4	7UP				8.7 x 4.4 x 2.9		3385	38.28	41	2399		
5	7UP				8.8 x 4.3 x 2.9	GINE	3390	37.84	49	2901		
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Witnessed by:

Results can also be seen on website <a href="https://civil.uet.edu.pk/concrete-laboratory-reports1/">https://civil.uet.edu.pk/concrete-laboratory-reports1/</a>

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2612 Dr. Umbreen

To: Mr. Javed Iqbal

For ZZ Associates.

Project: MVRE Calendria Unit at Plot # 413.

 Our Ref. No. CL/CED/
 6903
 Dated:
 19-01-22
 Test Specification

 Your Ref. No.
 ZZA/UET/0002-22
 Dated:
 18-01-22
 (BS 1881-116)

### **COMPRESSION TEST REPORT**

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

Specimens received on: 19-01-22 Tested on: 19-01-22 in dry/wet condition





Sr. No.	Mark*			Date*	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)			Water Absorpti on (%)	Remarks
1		26	12	2021	6x6x6		8	36	53	3298		Non Engraved
2		26	12	2021	6x6x6		8.4	36	55	3422		Non Engraved
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Witnessed by: Nil

Results can also be seen on website <a href="https://civil.uet.edu.pk/concrete-laboratory-reports1/">https://civil.uet.edu.pk/concrete-laboratory-reports1/</a>

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

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



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2601 Dr. Qasim Khan

To: Al Hadi Textile (Pvt) Ltd.

Ferozepur Road, Lahore.

Project: Al Hadi Textile (Pvt) Ltd.

Our Ref. No. CL/CED/ 6904 Dated: 19-01-22 <u>Test Specification</u>

Your Ref. No. Nil Dated: 17-01-22

#### COMPRESSION TEST REPORT

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

Specimens received on: 17-01-22 Tested on: 17-01-22 in dry/wet condition



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Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Rectangular, Grey, 80mm				7.7 x 3.8 x 3.1		3820	29.26	102	7809		
2	Rectangular, Grey, 80mm				7.7 x 3.8 x 3.1		3805	29.26	102	7809		
3	Rectangular, Grey, 80mm				7.7 x 3.8 x 3.1		3735	29.26	95	7273		
4	Rectangular, Grey, 80mm				7.7 x 3.8 x 3.1		3830	29.26	102	7809		
5	Rectangular, Grey, 80mm				7.7 x 3.8 x 3.1	GINE	3875	29.26	98	7502		
6	Rectangular, Grey, 80mm				7.7 x 3.8 x 3.1	READIN	3805	29.26	93	7120		
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Witnessed by:

Results can also be seen on website <a href="https://civil.uet.edu.pk/concrete-laboratory-reports1/">https://civil.uet.edu.pk/concrete-laboratory-reports1/</a>

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



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> 2593 Dr. Umbreen

To: Sub Divisional Officer

Public Health Engg: Sub Division, Kamalia.

Project: Drainage, Sewerage, Soling / Resoling, Tuff Tiles Drains and Bridges (Puliyan) in Tehsil Kamalia &

**Tehsil Pir Mahal District T.T.Singh. (Chaudhry Traders)** 

Our Ref. No. CL/CED/ 6905

Dated: 19-01-22

**Test Specification** 

Your Ref. No. 217/K

Dated: 10-01-22

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### **COMPRESSION TEST REPORT**

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

Specimens received on: 14-01-22 Tested on: 19-01-22 in dry/wet condition





Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Rectangular, Grey, 60mm				7.7 x 3.8 x 2.3		2605	29.26	102	7809		
2	Rectangular, Grey, 60mm				7.7 x 3.8 x 2.3		2600	29.26	98	7502		
3	Rectangular, Grey, 60mm	-			7.7 x 3.8 x 2.3		2595	29.26	81	6201		
4	Rectangular, Grey, 60mm				7.7 x 3.8 x 2.3		2620	29.26	102	7809		
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Witnessed by:

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

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

2579 Dr. Rizwan Riaz

To: Delton's Authorised.

**Deltons Construction Co. Defence Karachi.** 

Project: Nil

Our Ref. No. CL/CED/ 6906

Dated: 19-01-22

Test Specification
( ASTM C39 )

Your Ref. No. Nil Dated: 12-01-22

#### COMPRESSION TEST REPORT

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

Specimens received on: 12-01-22 Tested on: 19-01-22 in dry/wet condition





Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Water Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Column (5000 Psi)	28	12	2021	6Diax12		13.2	28.28	59	4673		Non Engraved
2	Column (5000 Psi)	28	12	2021	6Diax12		13.2	28.28	57	4515		Non Engraved
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Witnessed by: Nil

Results can also be seen on website <a href="https://civil.uet.edu.pk/concrete-laboratory-reports1/">https://civil.uet.edu.pk/concrete-laboratory-reports1/</a>

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- 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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> 2545 Dr. Umbreen

To: For Rao Farman Ali Construction Company.

Our Ref. No. CL/CED/ 6907

Main Ferozepur Road, Lahore. (Client: Descon Oxychem Limited)

Project: Foundation of SRU Adsorber No.4 at Descon Oxychem Limited.

Troject. Foundation of ONO Adsorber No.4 at Descon Oxychem Ellinted.

Your Ref. No. Nil Dated: 06-01-22

Dated:

19-01-22

**Test Specification** 

( ASTM C39 )

### COMPRESSION TEST REPORT

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

Specimens received on: 07-01-22 Tested on: 19-01-22 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Grade-30	8	12	2021	6Diax12		13.2	28.28	53	4198		Non Engraved
2	Grade-30	8	12	2021	6Diax12		13	28.28	43	3406		Non Engraved
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5					/	GINE	RINA					
6						READIN	200	<b>X</b>				
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Witnessed by: Nil

Results can also be seen on website <a href="https://civil.uet.edu.pk/concrete-laboratory-reports1/">https://civil.uet.edu.pk/concrete-laboratory-reports1/</a>

- 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

- 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.



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.

2579 Dr. Rizwan Riaz

To: Delton's Authorised.

**Deltons Construction Co. Defence Karachi.** 

Project: Nil

Your Ref. No.

Our Ref. No. CL/CED/ 6908 Dated: 19-01-22

Dated:

12-01-22 (ASTM C39)

#### COMPRESSION TEST REPORT

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

Specimens received on: 12-01-22 Tested on: 19-01-22 in dry/wet condition



**Test Specification** 



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Column (5000 Psi)	18	12	2021	6Diax12		13	28.28	55	4356		Non Engraved
2	Column (5000 Psi)	18	12	2021	6Diax12		13	28.28	79	6257		Non Engraved
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5					/	GINE	RINE					
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Witnessed by: Nil

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**ORIGINAL** 

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2579 Dr. Rizwan Riaz

To: Delton's Authorised.

**Deltons Construction Co. Defence Karachi.** 

Project: Nil

Our Ref. No. CL/CED/ 6909 Dated: 19-01-22

Your Ref. No. Nil Dated: 12-01-22 (ASTM C39)

#### COMPRESSION TEST REPORT

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

Specimens received on: 12-01-22 Tested on: 19-01-22 in dry/wet condition



**Test Specification** 



Sr. No.	Mark*			Date*	Size (in)	Wet Weight	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Column (5000 Psi)	4	1	2022	6Diax12		13	28.28	39	3089		Non Engraved
2	Column (5000 Psi)	4	1	2022	6Diax12		13	28.28	39	3089		Non Engraved
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5					/	GINE	RINE					
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Witnessed by: Nil

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

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



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**ORIGINAL** 

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

2579 Dr. Rizwan Riaz

To: Delton's Authorised.

**Deltons Construction Co. Defence Karachi.** 

Project: Nil

Your Ref. No.

Our Ref. No. CL/CED/ 6910

Dated: 19-01-22

**Test Specification** 

Dated: 12-01-22

(ASTM C39)

### **COMPRESSION TEST REPORT**

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

Specimens received on: 12-01-22 Tested on: 19-01-22 in dry/wet condition





Sr. No.	No. Mark*		Casting Date*		Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Plinth Beam (3500 Psi)	4	1	2022	6Diax12		13	28.28	25	1980		Non Engraved
2	Plinth Beam (3500 Psi)	4	1	2022	6Diax12		13	28.28	31	2455		Non Engraved
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Witnessed by: Nil

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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.