

## **Plain and Reinforced Concrete Laboratory Civil Engineering Department**

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

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

> 7404 Dr. Umbreen

#### To: Mr. M. Usman Rauf

Resident Engineer, Highways and Transportation Engineering Division. NESPAK (Pvt.) Ltd.

Project: Rehabilitation of Ali Park Road Near Fruit Mandi Ravi Zone Lahore. (MCL PROJECTS)

Our Ref. No. CL/C	ED/ 5254	Dated:	09-07-24	Test Specification
Your Ref. No.	4084/103/MUR/104/1872	Dated:	03-07-24	(BS 1881-116)

### COMPRESSION TEST REPORT



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

Specim	ens received on:	0	8-07	-24	Tested on:	09-0	)7-24	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		6	6	2024	6x6x6		8.6	36	80	4978		Non Engraved
2		6	6	2024	6x6x6		9.2	36	83	5164		Non Engraved
3		6	6	2024	6x6x6		8.6	36	84	5227		Non Engraved
4												
5					-	THE	RING .					
6					- )	READ IN	207	<u> </u>				
7						OF THY -UCRD WHC CREATES	رتجب الدقى خلق ر					
8								5				
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10						/ A	IOR <u>E</u>					
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13												
14												
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16												
Witness	ed by: Nil											

#### lithessea by: NI

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)

#### Director/Dy. Director Concrete Laboratory



**Civil Engineering Department** 

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

7405 Dr. Umbreen

To: Mr. Muazzam Shoukat

**Muhammad Younis Construction Company** 

Project: Construction of House # 184D, DHA Phase 8-Ex Park View.

Our Ref. No. CL/CE	ED/ 5255	Dated:	09-07-24	Test Specification
Your Ref. No.	Nil	Dated:	08-07-24	( BS 1881-116 )

### COMPRESSION TEST REPORT

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

Specime	ens received on:	0	8-07	-24	Tested on:	09-0	7-24	in dry/wet	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	1st Floor Slab (4000 Psi)	10	6	2024	6x6x6		9	36	76	4729		Engraved
2	1st Floor Slab (4000 Psi)	10	6	2024	6x6x6		9	36	95	5911		Engraved
3	1st Floor Slab (4000 Psi)	10	6	2024	6x6x6		9.2	36	115	7156		Engraved
4	1st Floor Slab (4000 Psi)	10	6	2024	6x6x6		9	36	102	6347		Engraved
5					-	NHINE	BING					
6						READIN						
7						OF THY HORD WHO OREATES	ریج۔ انڈی طلق ر	£2				
8					S.R			5				
9								~				
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12												
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14												
15												
16												
Witness	ed by: Nil											

#### witnessea by: Nii

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

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7409 Dr. Umbreen

#### To: Mr. Shaukat Mahmood

Chief QS, Master Consulting Engineers (Pvt.) Ltd.

Project: Revamping of Services Hospital Lahore Group No.1 (Medical Block)

Our Ref. No. CL/	CED/ 5256	Dated:	09-07-24	Test Specification
Your Ref. No.	Revamping/Services/Camp/65	Dated:	05-07-24	(BS 1881-116)

### COMPRESSION TEST REPORT



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

Specimens received on:		0	08-07-24		Tested on:	09-07-24		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	Plant Room Slab (1:2:4)	29	6	2024	6x6x6		9	36	56	3484		Non Engraved
2	Plant Room Slab (1:2:4)	29	6	2024	6x6x6		9	36	52	3236		Non Engraved
3												
4												
5						WHINE	RINT					
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7						OF THY GRATES	زیجب اندکی خلق ر	£2				
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15												
16												
Witness	ad by: Nil											

#### witnessea by: Nii

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

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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.



To:

# Plain and Reinforced Concrete Laboratory

**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.

> 7365 Dr. Umbreen

Test Specification ( ASTM C39 )

Mr. M. Faisal Bhatti Construction Manager, Ittefaq Building Solutions (Pvt.) Ltd.											
Project: Construction of Mr. Chugtai House Residence at Plot # 7 Pool+OHWT Ali House)	4 Muneer Road C	antt. Lahore. (Ali									
Our Ref. No. CL/CED/ 5257	Dated:	09-07-24									
Your Ref. No. Nil	Dated:	01-07-24									

## **COMPRESSION TEST REPORT**

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

ens received on:	0	1-07	-24	Tested on:	09-0	7-24	in dry/wet condition				ONLINE REPORT
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
(4000 Psi)	28	5	2024	6Diax12		14	28.28	46	3644		Non Engraved
(4000 Psi)	28	5	2024	6Diax12		14	28.28	54	4277		Non Engraved
(4000 Psi)	28	5	2024	6Diax12		14	28.28	40	3168		Non Engraved
					-	-			-		
				I	E	RING			-		
				I	READIN						
					OF THY UBRD WHO OREATES	ریج۔ ان کی خلق ر					
				SR-			5				
							>				
						IORL.					
					1						
	ens received on: Mark* (4000 Psi) (4000 Psi) (4000 Psi) (4000 Psi)        -	Mark*         Case           Mark*         DD           (4000 Psi)         28           (4000 Psi)         (4000 Psi)           (4000 Psi)         (4000 Psi)           (400 Psi)         (400 Psi)	OII-07           Mark*         Casting DD MM           (4000 Psi)         28         5           (4000 Psi)         10         10           (100 Psi)         10         10           (101 Psi)	OI-OT-24           Mark*         Casting Jate*           DD         MW           (4000 Psi)         28         5         2024           (4000 Psi)         128         12            (100 Psi)         128         12            (101 Psi)	ens received on:         01-07-24         Tested on:           Mark*         Castry Date*         Size           DD         VMV YYY         (in)           (4000 Psi)         28         5         2024         6Diax12  <	01-07-24       Tested on:       09-0         Mark* $Castirs Date*$ Size       Wet Weight $DD \ MM \ YYYY$ (in)       (Kg/gms)         (4000 Psi)       28       5       2024       6Diax12          (4000 Psi)       28       5       2024       6Diax12 <t< td=""><td>O1-07-24       Tested on:       09-07-24         Mark*       <math>Castiry Date*</math>       Size       Wet Weight       Dry Weight         (4000 Psi)       28       5       2024       6Diax12        14                               </td><td>O1-07-24         Tested on:         09-07-24         in dry/weight           Mark*         <math>C_{3 \pm 1}</math> <math>Date*</math>         Size         Wet Weight         Dry Weight         Area of X-Section (Kg/gms)           (4000 Psi)         28         5         2024         6Diax12          14         28.28           (4000 Psi)         28         5&lt;</td><td>01-07-24       Tested on:       09-07-24       in dry/wet condition         Mark*       <math>Castiry Jvrvv       Size       Weight Weight Weight (Kg/gms)       Area of X-Section (Imp.Tons)         (4000 Psi)       28       5       2024       6Diax12        14       28.28       46         (4000 Psi)       28       5       2024       6Diax12        14       28.28       440         (4000 Psi)       28       5       2024       6Diax12        14       28.28       440           14       28.28       440           14       28.28       440           14       28.28       440            14       28.28       440  </math></td><td>01-07-24         Tested on:         09-07-24         in dry/wet condition           Mark*         <math>C_{3}</math> <math>V = V = V</math>         Size         Weight (Kg/gms)         <math>Area of(Kg/gms)         Ultimate(Sq. in)         Ultimate(Imp.Tom)         UltimateStress(rps)           (4000 Psi)         28         5         2024         6Diax12          14         28.28         46         3644           (4000 Psi)         28         5         2024         6Diax12          14         28.28         46         3644           (4000 Psi)         28         5         2024         6Diax12          14         28.28         40         3168             14         28.28         40         3168             14         28.28         40         3168              14         28.28         40         3168              14         28.28         40         3168                   </math></td><td>ens received on         01-07-24         Tested on:         09-07-24         in dry/wet condition           Mark*         <math>C_{1}</math> <math>V = V</math>         Size         Wet (K) grass         Dry (K) grass         Area of (K) grass         Utimate (K) gra</td></t<>	O1-07-24       Tested on:       09-07-24         Mark* $Castiry Date*$ Size       Wet Weight       Dry Weight         (4000 Psi)       28       5       2024       6Diax12        14         (4000 Psi)       28       5       2024       6Diax12        14	O1-07-24         Tested on:         09-07-24         in dry/weight           Mark* $C_{3 \pm 1}$ $Date*$ Size         Wet Weight         Dry Weight         Area of X-Section (Kg/gms)           (4000 Psi)         28         5         2024         6Diax12          14         28.28           (4000 Psi)         28         5<	01-07-24       Tested on:       09-07-24       in dry/wet condition         Mark* $Castiry Jvrvv       Size       Weight Weight Weight (Kg/gms)       Area of X-Section (Imp.Tons)         (4000 Psi)       28       5       2024       6Diax12        14       28.28       46         (4000 Psi)       28       5       2024       6Diax12        14       28.28       440         (4000 Psi)       28       5       2024       6Diax12        14       28.28       440           14       28.28       440           14       28.28       440           14       28.28       440            14       28.28       440  $	01-07-24         Tested on:         09-07-24         in dry/wet condition           Mark* $C_{3}$ $V = V = V$ Size         Weight (Kg/gms) $Area of(Kg/gms)         Ultimate(Sq. in)         Ultimate(Imp.Tom)         UltimateStress(rps)           (4000 Psi)         28         5         2024         6Diax12          14         28.28         46         3644           (4000 Psi)         28         5         2024         6Diax12          14         28.28         46         3644           (4000 Psi)         28         5         2024         6Diax12          14         28.28         40         3168             14         28.28         40         3168             14         28.28         40         3168              14         28.28         40         3168              14         28.28         40         3168                   $	ens received on         01-07-24         Tested on:         09-07-24         in dry/wet condition           Mark* $C_{1}$ $V = V$ Size         Wet (K) grass         Dry (K) grass         Area of (K) grass         Utimate (K) gra

#### 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)

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**Civil Engineering Department** 

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7365 Dr. Umbreen

To: Mr. M. Faisal Bhatti

Construction Manager, Ittefaq Building Solutions (Pvt.) Ltd.

Project: Construction of Mr. Chugtai House Residence at Plot # 74 Muneer Road Cantt. Lahore. (Omar House, F/F Slab(ii)) Our Ref. No. CL/CED/ 5258 Dated: 09-07-24 **Test Specification** Your Ref. No. Nil Dated: 01-07-24

## COMPRESSION TEST REPORT



(ASTM C39)

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

Specim	ens received on:	0	1-07	-24	Tested on:	09-0	)7-24	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
		00			(111)	(rty/ gills)	(rty/ gills)	(34. 11)	(imp. rons)	(psi)		
1	(4000 Psi)	14	5	2024	6Diax12		13.8	28.28	40	3168		Non Engraved
2	(4000 Psi)	14	5	2024	6Diax12		13.2	28.28	40	3168		Non Engraved
3	(4000 Psi)	14	5	2024	6Diax12		13.6	28.28	44	3485		Non Engraved
4												
5						NHNE	RING					
6					>	READ IN	2071					
7						OF THY HORD WHO CREATES	زیجب اندکی خلق ر					
8								5				
9						20	-					
10							IORL.					
11												
12												
13												
14												
15												
16												
	a d la con NRI											

#### Witnessed by: Nil

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

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

### Director/Dy. Director Concrete Laboratory



**Civil Engineering Department** 

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

7365 Dr. Umbreen

To:	Mr. M. Faisal Bhatti											
	Construction Manager, Ittefaq Building Solutions (P	vt.) Ltd.										
	Project: Construction of Mr. Chugtai House Residence at Plot # 74 Muneer Road Cantt. Lahore.(Omar House, OHWT Wall)											
	Our Ref. No. CL/CED/ 5259	Dated:	09-07-24	Test Specification								
	Your Ref. No. Nil	Dated:	01-07-24	(ASTM C39)								

## COMPRESSION TEST REPORT



Specime	ens received on:	0	1-07	-24	Tested on:	09-0	)7-24	in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*	Cas DD	Casting Date*		Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	(4000 Psi)	1	6	2024	6Diax12		14	28.28	48	3802		Non Engraved
2	(4000 Psi)	1	6	2024	6Diax12		14	28.28	54	4277		Non Engraved
3	(4000 Psi)	1	6	2024	6Diax12		14	28.28	46	3644		Non Engraved
4						-				-		
5					-	E	RING			-		
6					-	READIN						
7						OF THY UORD WHO CREATES	زیجب اندکی خلق ر					
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9					-			~		-		
10						-LA	IOR					
11						-						
12												
13												
14												
15												
16												

#### Witnessed by: Nil

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7365 Dr. Umbreen

To: Mr. M. Faisal Bhatti

Construction Manager, Ittefaq Building Solutions (Pvt.) Ltd.

Project: Construction of Mr. Chugtai House Residence at Plot # 74 Muneer Road Cantt. Lahore. (Ali House, Ali **Pool Projection**) Our Ref. No. CL/CED/ 5260 Dated: 09-07-24 **Test Specification** Your Ref. No. Nil Dated: 01-07-24

## COMPRESSION TEST REPORT



(ASTM C39)

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

Specim	ens received on:	0	1-07	-24	Tested on:	09-0	07-24	in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
		00			(111)	(rtg/ gms)	(Kg/ gms)	(34. 11)	(imp.rons)	(psi)		
1	(4000 Psi)	5	6	2024	6Diax12		13.6	28.28	36	2851		Non Engraved
2	(4000 Psi)	5	6	2024	6Diax12		14	28.28	54	4277		Non Engraved
3	(4000 Psi)	5	6	2024	6Diax12		13.4	28.28	50	3960		Non Engraved
4												
5						NHINE	RING					
6					>	READ IN	2071					
7						OF THY HORD WHO CREATES	زیجک الذکی خلق ر					
8								5				
9												
10							IORE.					
11												
12												
13												
14												
15												
16												
	ad hur Nil											

Witnessed by: Nil

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

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2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

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Supervisor (Lab)

### Director/Dy. Director Concrete Laboratory



**Civil Engineering Department** 

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7365 Dr. Umbreen

To: Mr. M. Faisal Bhatti

Construction Manager, Ittefaq Building Solutions (Pvt.) Ltd.

Project: Construction of Mr. Chugtai House Residence at Plot # 74 Muneer Road Cantt. Lahore. (Omar House, F/F Slab(i)) Our Ref. No. CL/CED/ 5261 Dated: 09-07-24 **Test Specification** Your Ref. No. Nil Dated: 01-07-24

## COMPRESSION TEST REPORT



(ASTM C39)

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

Specimens received on:		01-07-24		-24	Tested on:	09-07-24		in dry/wet condition			ONLINE REPORT	
Sr. No.	Sr. No. Mark*		ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti on (%)	Remarks
		סט		TTTT	(in)	(Kg/gms)	(Kg/ gms)	(Sq. in)	(Imp. I ons)	(psi)	( )	
1	(4000 Psi)	13	5	2024	6Diax12		14	28.28	34	2693		Non Engraved
2	(4000 Psi)	13	5	2024	6Diax12		14	28.28	36	2851		Non Engraved
3	(4000 Psi)	13	5	2024	6Diax12		14	28.28	38	3010		Non Engraved
4												
5						NUT	RING					
6					>	READ IN	2071					
7						OF THY CORD WHO CREATES	ز <del>ب</del> ک اند کی خلق ر	133				
8												
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11												
12												
13												
14												
15												
16												
Witness	od by: Nil											

witnessea by: Nii

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2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

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