

**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.

2282 Dr. Qasim Shaukat

Test Specification

(----)

To: Syed Zahid Hussain, Resident Engineer (M/s Tayyab Manzoor Tarrar TMT) AZ Engineering Associates, Gujrat Residency. (Source Izhar Pavers Pvt. Ltd). Project: Dualization of Road from GT Road (SAMMA) to Gujrat Dinga Road I/C Gujrat Flyover Length=31 Kms in Distt. Gujrat. Group No. III, Km No. 17.53 to 31.03 Including 2Nos. Small Bridges with Approaches. 19-11-21 Our Ref. No. CL/CED/ 6402 Dated: Your Ref. No. RE AZEA/GT-263 Dated: 17-11-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 18-11-21 Tested on: 19-11-21 in dry/wet condition

Sr. No.	Mark*		-	Date*	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Absorpti	Remarks
		DD	ММ	ΥΥΥΥ	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Kerb Stone				6 x 6 x 6		8.2	36	61	3796		Cut Cube
2	Kerb Stone				6 x 6 x 6		8.4	36	64	3982		Cut Cube
3	Kerb Stone		-		6 x 6 x 6		8.2	36	74	4604		Cut Cube
4			-									
5			-									
6			-									
7			-									
8			-									
9			-									
10			-									
11												
12			-									
13												
14												
15												
16												
16 Witness												

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

\*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
\*\*\*\* 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)



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2274 Dr. Burhan Sharif

To: Premium Concrete Works Shah Khalid Town, Lahore.

Project: Hand Holes			
Our Ref. No. CL/CED/ 6403	Dated:	19-11-21	Test Specification
Your Ref. No. Nil	Dated:	17-11-21	(BS 1881-116)

### **COMPRESSION TEST REPORT**



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

19-11-21 in dry/wet condition Specimens received on: 17-11-21 Tested on:

-												
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1		11	10	2021	6x6x6		8.6	36	88	5476		Non Engraved
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
Witness	od by: Nil											

Witnessed by: Nil

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Supervisor (Lab)



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2274 Dr. Burhan Sharif

To: Premium Concrete Works Shah Khalid Town, Lahore.

Project: Hand Holes			
Our Ref. No. CL/CED/ 6404	Dated:	19-11-21	Test Specification
Your Ref. No. Nil	Dated:	17-11-21	(BS 1881-116)

### **COMPRESSION TEST REPORT**



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

19-11-21 in dry/wet condition Specimens received on: 17-11-21 Tested on:

						-		-	-			
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1		14	10	2021	6x6x6		8.4	36	134	8338		Non Engraved
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
Witness	od by: Nil						-		-			

Witnessed by: Nil

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

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Supervisor (Lab)



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2251 Engr. Ubaid

Test Specification

To: Mr. Asif Pervaiz Butt (Resident Engineer) AYQ Developers Pvt. Ltd.

Project: Union Complex			
Our Ref. No. CL/CED/ 6405	Dated:	19-11-21	
Your Ref. No. Nil	Dated:	12-11-21	

## **COMPRESSION TEST REPORT**



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

18-11-21 in dry/wet condition Specimens received on: 12-11-21 Tested on:

Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	6000 Psi	14	10	2021	6Diax12		14	28.28	78	6178		Non Engraved
2	6000 Psi	14	10	2021	6Diax12		14	28.28	75	5941		Non Engraved
3	6000 Psi	14	10	2021	6Diax12		14	28.28	79	6257		Non Engraved
4	6000 Psi	14	10	2021	6Diax12		14.6	28.28	83	6574		Non Engraved
5	6000 Psi	14	10	2021	6Diax12		14	28.28	78	6178		Non Engraved
6	6000 Psi	14	10	2021	6Diax12		14	28.28	80	6337		Non Engraved
7												
8												
9			-									
10			-									
11												
12												
13												
14												
15												
16												
14/3419 0 0 0	ad by Nil											

Witnessed by: Nil

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

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Supervisor (Lab)



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2267 Engr. Ubaid

Test Specification

To: (Mr. Umair Magsood) Sub Divisional Officer Buildings Sub Division, Lahore.

Project: Re-Construction of Pipal House A-Block, Lahore.

Our Ref. No. CL/C	ED/ 6406	Dated:	19-11-21
Your Ref. No.	819	Dated:	15-11-21

### **COMPRESSION TEST REPORT**



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

18-11-21 in dry/wet condition Specimens received on: 17-11-21 Tested on:

Sr. No.	Mark*		-	Date* YYYY	Size (in)	Wet Weight (Ka/ ams)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	3rd Floor Slab (1:2:4)	17	10	2021	6Diax12		14	28.28	48	3802		Engraved
2	3rd Floor Slab (1:2:4)	17	10	2021	6Diax12		14	28.28	41	3248		Engraved
3	3rd Floor Slab (1:2:4)	17	10	2021	6Diax12		14	28.28	48	3802		Engraved
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												

Witnessed by: Nil

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

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2022 Engr. Ubaid

Test Specification

To: M/s CMPak Limited

Nil

Project: CMPAK New Data Center Quaid-e-Azam Industrial Estate (KLP) Lahore (2nd Floor Roof Slab)

Our Ref. No. CL/C	ED/ 6407	Dated:	19-11-21
Your Ref. No.	CMPAK/NDC/Cylinder/01	Dated:	27-09-21

### **COMPRESSION TEST REPORT**



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

Specimens received on: 04-10-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*		-	Date* YYYY	Size (in)	Wet Weight	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	(1:2:4)	30	8	2021	(III) 6Diax12	(Kg/ gills) 	(rtg/ gills) 13.8	28.28	(IIIIp. 10115) 93	(psi) 7366		Non Engraved
· ·		50	0	2021			15.0	20.20	35	7300		
2	(1:2:4)	30	8	2021	6Diax12		14	28.28	63	4990		Non Engraved
3												
4			-									
5			1	I								
6			1	I						-		
7			-									
8												
9												
10												
11												
12												
13			-									
14												
15												
16			-									

Witnessed by: Mr. Usama Majeed (CNIC # 35201-1327513-7) & Mr. Talha Zahid (CNIC # 35202-5630667-3)

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

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2022 Engr. Ubaid

Test Specification

To: M/s CMPak Limited

Nil Project: CMPAK New Data Center Quaid-e-Azam Industrial Estate (KLP) Lahore (GF RCC) Our Ref. No. CL/CED/ 6408 Dated: 19-11-21 Your Ref. No. CMPAK/NDC/Cylinder/01 Dated: 25-09-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 04-10-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*		_	Date*	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
-				YYYY	. ,	(Kg/ gms)	(Kg/ gms)		(Imp.Tons)	,		
1	(1:2:4)	28	8	2021	6Diax12		14	28.28	44	3485		Non Engraved
2	(1:2:4)	28	8	2021	6Diax12		13.6	28.28	86	6812		Non Engraved
3			1									
4			1									
5			1									
6			1									
7			1									
8			1									
9			1									
10			1									
11			-									
12			1									
13			1									
14			1									
15			-								-	
16			-									

Witnessed by: Mr. Usama Majeed (CNIC # 35201-1327513-7) & Mr. Talha Zahid (CNIC # 35202-5630667-3)

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

1. \* as engraved on the specimens (if any)

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

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Supervisor (Lab)



**Civil Engineering Department** 

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



2022 Engr. Ubaid

Test Specification

To: M/s CMPak Limited Nil

Yo

Project: CMPAK New Data Center Quaid-e-Azam Industrial Estate (KLP) Lahore (DG PAD 1 & 2) Our Ref. No. CL/CED/ 6409 Deted 19-11-21

IF RET. NO. CL/C	JED/ 6409	Dated:	19-11-21
our Ref. No.	CMPAK/NDC/Cylinder/01	Dated:	22-09-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 04-10-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*		-	Date*	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	ММ	ΥΥΥΥ	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (70)	
1	(1:2:4)	25	8	2021	6Diax12		13.6	28.28	44	3485		Engraved
2	(1:2:4)	25	8	2021	6Diax12		14	28.28	64	5069		Non Engraved
3			-									
4			-									
5												
6		-										
7			-									
8			-									
9			-									
10			-									
11			-									
12			-									
13			-									
14												
15												
16												

Witnessed by: Mr. Usama Majeed (CNIC # 35201-1327513-7) & Mr. Talha Zahid (CNIC # 35202-5630667-3)

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Supervisor (Lab)



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2022 Engr. Ubaid

Test Specification

To: M/s CMPak Limited

Nil Project: CMPAK New Data Center Quaid-e-Azam Industrial Estate (KLP) Lahore (DG PAD 3) Our Ref. No. CL/CED/ 6410 Dated: 19-11-21 Your Ref. No. CMPAK/NDC/Cylinder/01 Dated: 23-09-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 04-10-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*		_	Date*	Size	Wet Weight		Area of X-Section	load		Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	(1:2:4)	26	8	2021	6Diax12		14	28.28	45	3564		Engraved
2			1									
3			1									
4			1	-								
5			1	-								
6			-	1								
7			-									
8			-	-								
9												
10												
11			-									
12			-	1								
13			-	-								
14												
15												
16			-									

Witnessed by: Mr. Usama Majeed (CNIC # 35201-1327513-7) & Mr. Talha Zahid (CNIC # 35202-5630667-3)

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

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Supervisor (Lab)



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2194 Engr. Ubaid

To: M/s CMPak Limited

Nil

Project: CMPAK New Data Center Quaid-e-Azam Industrial Estate (KLP) Lahore (Column 2nd F to Tie Beam 5 & Column 2nd F to Tie Beam 6) Our Ref. No. CL/CED/ 6411 Dated: 19-11-21 Test Specification Your Ref. No. CMPAK/NDC/Cylinder/01 Dated: 24-10-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 03-11-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*		-	Date*	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
				YYYY	. ,		(Kg/ gms)	(Sq. in) 28.28	(Imp.Tons)			
1	(1:1.5:3)	26	9	2021	6Diax12		14	28.28	74	5861		Non Engraved
2	(1:1.5:3)	26	9	2021	6Diax12		14.2	28.28	47	3723		Non Engraved
3												
4			-									
5			-									
6			-									
7												
8												
9												
10			-									
11												
12												
13			-									
14												
15												
16												

Witnessed by: Mr. Usama Majeed (CNIC # 35201-1327513-7) & Mr. Talha Zahid (CNIC # 35202-5630667-3)

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

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Supervisor (Lab)



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2194 Engr. Ubaid

To: M/s CMPak Limited

Nil

Project: CMPAK New Data Center Quaid-e-Azam Industrial Estate (KLP) Lahore (Column 2nd F to Tie Beam 3 & Column 2nd F to Tie Beam 4) Our Ref. No. CL/CED/ 6412 Dated: 19-11-21 Test Specification Your Ref. No. CMPAK/NDC/Cylinder/01 Dated: 23-10-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 03-11-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*		-	Date*	Size	Wet Weight		Area of X-Section	load		Water Absorpti on (%)	Remarks
		DD	MM	ΥΥΥΥ	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (%)	
1	(1:1.5:3)	25	9	2021	6Diax12		14	28.28	76	6020		Non Engraved
2	(1:1.5:3)	25	9	2021	6Diax12		14	28.28	79	6257		Non Engraved
3												
4												
5			-									
6												
7												
8												
9			-									
10												
11												
12												
13												
14												
15												
16			-									

Witnessed by: Mr. Usama Majeed (CNIC # 35201-1327513-7) & Mr. Talha Zahid (CNIC # 35202-5630667-3)

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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 fo	r
the report has	
been retained in	
the lab for record	ł.

2194 Engr. Ubaid

To: M/s CMPak Limited

Nil Project: CMPAK New Data Center Quaid-e-Azam Industrial Estate (KLP) Lahore (Column 2nd F to Tie Beam 9 & Column 2nd F to Tie Beam 10) Our Ref. No. CL/CED/ 6413 Dated: 19-11-21 Test Specification Your Ref. No. CMPAK/NDC/Cylinder/01 Dated: 26-10-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 03-11-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	(1:1.5:3)	28	9	2021	6Diax12		14	28.28	74	5861		Non Engraved
2	(1:1.5:3)	28	9	2021	6Diax12		14	28.28	71	5624		Non Engraved
3		-	1									
4												
5												
6												
7												
8												
9			-									
10												
11												
12												
13												
14												
15												
16												

Witnessed by: Mr. Usama Majeed (CNIC # 35201-1327513-7) & Mr. Talha Zahid (CNIC # 35202-5630667-3)

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

1. \* as engraved on the specimens (if any)

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

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

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

2194 Engr. Ubaid

To: M/s CMPak Limited

Nil

Project: CMPAK New Data Center Quaid-e-Azam Industrial Estate (KLP) Lahore (Column 2nd F to Tie Beam 1 & Column 2nd F to Tie Beam 2) Our Ref. No. CL/CED/ 6414 Dated: 19-11-21 Test Specification Your Ref. No. CMPAK/NDC/Cylinder/01 Dated: 22-10-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 03-11-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*		-	Date* YYYY	Size (in)	Wet Weight	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	(1:1.5:3)	24	9	2021	6Diax12	(Kg/ gills) 	(rtg/ gills) 14	28.28	(IIIIp. 10115) 57	(psi) 4515		Non Engraved
2	(1:1.5:3)	24	9	2021	6Diax12		14	28.28	69	5465		Non Engraved
	(1.1.3.3)	24	3	2021	ODIAX 12		14	20.20	03	3403		Non Engraved
3												
4												
5												
6												
7												
8												
9			-									
10			-									
11												
12												
13												
14												
15												
16												

Witnessed by: Mr. Usama Majeed (CNIC # 35201-1327513-7) & Mr. Talha Zahid (CNIC # 35202-5630667-3)

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

1. \* as engraved on the specimens (if any)

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

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

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

2194 Engr. Ubaid

To: M/s CMPak Limited

Nil

Project: CMPAK New Data Center Quaid-e-Azam Industrial Estate (KLP) Lahore (Column 2nd F to Tie Beam 7 & Column 2nd F to Tie Beam 8) Our Ref. No. CL/CED/ 6415 Dated: 19-11-21 Test Specification Your Ref. No. CMPAK/NDC/Cylinder/01 Dated: 25-10-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 03-11-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	(1:1.5:3)	27	9	2021	6Diax12		14	28.28	78	6178		Non Engraved
2	(1:1.5:3)	27	9	2021	6Diax12		14	28.28	73	5782		Non Engraved
3										1		
4				-						1		
5				-						1		
6		1		1						-		
7			-	1								
8			-	-								
9			-									
10			-									
11												
12												
13												
14												
15												
16												
13 14 15 16			  									

Witnessed by: Mr. Usama Majeed (CNIC # 35201-1327513-7) & Mr. Talha Zahid (CNIC # 35202-5630667-3)

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

1. \* as engraved on the specimens (if any)

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

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



2196 Engr. Ubaid

Test Specification

To: Mr. Muhammad Khalid Zaman (Resident Engineer) (ECSP PAPA Projects, Central Zone) Engineering Consultancy Services Punjab (Pvt.) Limited, Lahore Project: Supply, Construction, Installation of Water Filtration Plants and Direct Supply in Faisalabad Division (Roof Slab of Filtration Plant in Village 297 GB Gojra Fsd) Our Ref. No. CL/CED/ 6416 Dated: 19-11-21 Your Ref. No. ECSP/PAPA/CZ-FSD-29 Dated: 27-10-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 03-11-21 Tested on: 18-11-21 in dry/wet condition

	Mark*		-	Date*	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
		1		ΥΥΥΥ	. ,	(Kg/ gms)	(Kg/ gms)		(Imp.Tons)	,	0.1.(70)	
1	(1:2:4)	29	9	2021	6Diax12		14	28.28	71	5624		Non Engraved
2	(1:2:4)	29	9	2021	6Diax12		13.4	28.28	21	1663		Non Engraved
3			I									
4		-	I									
5			I									
6			I									
7												
8		-	I									
9												
10			I									
11												
12		1	I									
13			I									
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

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



2196 Engr. Ubaid

Test Specification

To: Mr. Muhammad Khalid Zaman (Resident Engineer) (ECSP PAPA Projects, Central Zone) Engineering Consultancy Services Punjab (Pvt.) Limited, Lahore Project: Supply, Construction, Installation of Water Filtration Plants and Direct Supply in Faisalabad Division (Roof Slab of Filtration Plant in Village 281 GB Gojra Fsd) Our Ref. No. CL/CED/ 6417 Dated: 19-11-21 Your Ref. No. ECSP/PAPA/CZ-FSD-33 Dated: 31-10-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 03-11-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*		-	Date*	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	MM	ΥΥΥΥ	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (76)	
1	(1:2:4)	3	10	2021	6Diax12		14	28.28	64	5069		Non Engraved
2	(1:2:4)	3	10	2021	6Diax12		13.6	28.28	45	3564		Non Engraved
3		-	-									
4			-									
5			-									
6			-									
7												
8												
9												
10												
11												
12												
13												
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

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



2196 Engr. Ubaid

Test Specification

To: Mr. Muhammad Khalid Zaman (Resident Engineer) (ECSP PAPA Projects, Central Zone) Engineering Consultancy Services Punjab (Pvt.) Limited, Lahore Project: Supply, Construction, Installation of Water Filtration Plants and Direct Supply in Faisalabad Division (Roof Slab of Filtration Plant in Village 278 GB Gojra Fsd) Our Ref. No. CL/CED/ 6418 Dated: 19-11-21 Your Ref. No. ECSP/PAPA/CZ-FSD-36 Dated: 01-11-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 03-11-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*		-	Date* YYYY	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
1	(1:2:4)	4	10	2021	(in) 6Diax12	(r.g/ gms) 	(Kg/ gms) 13	(Sq. in) 28.28	(Imp.Tons) 30	(psi) 2376		Non Engraved
	(1.2.4)	-	10	2021	UDIAX 12		15	20.20	30	2370		Non Engraved
2	(1:2:4)	4	10	2021	6Diax12		13.2	28.28	27	2139		Non Engraved
3												
4										-		
5			-									
6			-									
7												
8												
9												
10												
11												
12												
13												
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

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



2196 Engr. Ubaid

Test Specification

To: Mr. Muhammad Khalid Zaman (Resident Engineer) (ECSP PAPA Projects, Central Zone) Engineering Consultancy Services Punjab (Pvt.) Limited, Lahore Project: Supply, Construction, Installation of Water Filtration Plants and Direct Supply in Faisalabad Division (Roof Slab of Filtration Plant in Village 356 GB Gojra Fsd) Our Ref. No. CL/CED/ 6419 Dated: 19-11-21 Your Ref. No. ECSP/PAPA/CZ-FSD-32 Dated: 31-10-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 03-11-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*		-	Date*	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	мм	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	0.1 (70)	
1	(1:2:4)	3	10	2021	6Diax12		13.8	28.28	49	3881		Non Engraved
2	(1:2:4)	3	10	2021	6Diax12		13.6	28.28	55	4356		Non Engraved
3												
4				-								
5												
6												
7												
8												
9				-								
10				-								
11												
12												
13			-									
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

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



2196 Engr. Ubaid

Test Specification

To: Mr. Muhammad Khalid Zaman (Resident Engineer) (ECSP PAPA Projects, Central Zone) Engineering Consultancy Services Punjab (Pvt.) Limited, Lahore Project: Supply, Construction, Installation of Water Filtration Plants and Direct Supply in Faisalabad Division (Roof Slab of Filtration Plant in Village 420 GB Gojra Fsd) Our Ref. No. CL/CED/ 6420 Dated: 19-11-21 Your Ref. No. ECSP/PAPA/CZ-FSD-31 Dated: 31-10-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 03-11-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*		-	Date* YYYY	Size (in)	Wet Weight (Ka/ ams)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	(1:2:4)	3	10	2021	6Diax12		13.6	28.28	60	4752		Non Engraved
2	(1:2:4)	3	10	2021	6Diax12		13.8	28.28	36	2851		Non Engraved
3												
4												
5												
6			1	1								
7			-	1								
8			-									
9												
10												
11			-						-			
12												
13												
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

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



2196 Engr. Ubaid

Test Specification

To: Mr. Muhammad Khalid Zaman (Resident Engineer) (ECSP PAPA Projects, Central Zone) Engineering Consultancy Services Punjab (Pvt.) Limited, Lahore Project: Supply, Construction, Installation of Water Filtration Plants and Direct Supply in Faisalabad Division (Roof Slab of Filtration Plant in Village 367 GB Gojra Fsd) Our Ref. No. CL/CED/ 6421 Dated: 19-11-21 Your Ref. No. ECSP/PAPA/CZ-FSD-30 Dated: 27-10-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 03-11-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*		-	Date* YYYY	Size (in)	Wet Weight	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	(1:2:4)	29	9	2021	6Diax12	(rtg/ giiis) 	(rtg/ gills) 13.2	28.28	25	1980		Non Engraved
2	(1:2:4)	29	9	2021	6Diax12		13.8	28.28	64	5069		Non Engraved
3												
4												
5			1									
6			1									
7			l									
8			1									
9												
10												
11												
12												
13												
14												
15			1									
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

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



2232 Engr. Ubaid

Test Specification

To: Engr. Muhammad Bilal Igbal (Project Manager) M. Siddique Sons Building Contractor, Lahore

Project: 113/4-M Quaid e Azam Industrial Estate, Lahore (First Floor columns)

Our Ref. No. CL/0	ED/ 6422	Dated:	19-11-21
Your Ref. No.	Nil	Dated:	10-11-21

### **COMPRESSION TEST REPORT**



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

18-11-21 in dry/wet condition Specimens received on: 10-11-21 Tested on:

Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Absorpti	Remarks					
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)						
1	4000 Psi	20	10	2021	6Diax12		14	28.28	50	3960		Engraved					
2	4000 Psi	20	10	2021	6Diax12		13.2	28.28	55	4356		Engraved					
3	4000 Psi	20	10	2021	6Diax12		12.5	28.28	56	4436		Engraved					
4			-														
5			-														
6																	
7			-														
8			-														
9			-														
10																	
11			-														
12			-														
13			-														
14																	
15			-														
16																	
14/3419 0 0 0						Withopped by Ali											

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

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



**Civil Engineering Department** 

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



2233 Engr. Ubaid

Test Specification

To: Engr. Muhammad Bilal Igbal (Project Manager) M. Siddique Sons Building Contractor, Lahore

Project: Shahrukh Ishaq Farmhouse Bedian Road, Lahore (Bird Cage Slab)

Our Ref. No. CL/	CED/ 6423	Dated:	19-11-21
Your Ref. No.	Nil	Dated:	10-11-21

### **COMPRESSION TEST REPORT**



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

18-11-21 in dry/wet condition Specimens received on: 10-11-21 Tested on:

Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	3000 Psi	29	10	2021	6Diax12		14	28.28	65	5149		Non Engraved
2	3000 Psi	29	10	2021	6Diax12		14	28.28	57	4515		Non Engraved
3	3000 Psi	29	10	2021	6Diax12		14	28.28	65	5149		Non Engraved
4			-									
5			-									
6												
7			-									
8			-									
9			-									
10			-									
11			-									
12												
13			-									
14												
15												
16												
14/3419 0 0 0	od 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

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



2238 Engr. Ubaid

Test Specification

#### To: Zubair Ahmed

Zubair Ahmed Engineers & Contractors, Lahore

Project: Construction of Bank Al Habib Allama Iqbal Town Branch Lahore

Our Ref. No. CL/CED/ 6424	Dated:	19-11-21
Your Ref. No. Nil	Dated:	11-11-21

### **COMPRESSION TEST REPORT**



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

18-11-21 in dry/wet condition Specimens received on: 11-11-21 Tested on:

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		15	10	2021	6Diax12		14.2	28.28	44	3485		Non Engraved
2		15	10	2021	6Diax12		14.2	28.28	53	4198		Non Engraved
3		15	10	2021	6Diax12		14	28.28	51	4040		Non Engraved
4												
5												
6												
7												
8				-								
9				-								
10				-							-	
11				1								
12												
13												
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

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



2250 Engr. Ubaid

To: Brig. Saeed Ahmed Malik, SI M (R) (Resident Engineer) H&TE Div., Nespak (Pvt.) Ltd. Lahore Project: Metropolitan Corporation Lahore, Repair / Maintenance of PCC Nallah Mouza Lakhoki Shah Abad PP-165, NA-132 Our Ref. No. CL/CED/ 6425 Dated: 19-11-21 Test Specification Your Ref. No. 4084/103/BSAM/104/538 Dated: 04-11-21 (ASTM C39)

## **COMPRESSION TEST REPORT**



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

Specimens received on: 12-11-21 Tested on: 18-11-21 in dry/wet condition

-												
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	(1:2:4)	25	8	2021	6Diax12		13.8	28.28	95	7525		Non Engraved
2	(1:2:4)	25	8	2021	6Diax12		13.2	28.28	77	6099		Non Engraved
3	(1:2:4)	25	8	2021	6Diax12		14	28.28	87	6891		Non Engraved
4				-								
5				-								
6				1								
7			1									
8			-	-								
9			-									
10												
11												
12												
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

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



2257 Engr. Ubaid

Test Specification

To: Site Engineer **ASTACO Engineers & Contractors** 

Project: House # 122-A Cavalry Ground Lahore

Our Ref. No. CL/CED	/ 6426	Dated:	19-11-21
Your Ref. No. Ni	11	Dated:	15-11-21

## **COMPRESSION TEST REPORT**



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

18-11-21 in dry/wet condition Specimens received on: 15-11-21 Tested on:

							_	Area of	Ultimate	l lltim of a		
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	X-Section		Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1		3	11	2021	6Diax12		14.6	28.28	43	3406		Engraved
2		3	11	2021	6Diax12		15	28.28	47	3723		Engraved
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
Witness	od 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

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



2266 Engr. Ubaid

Test Specification

To: Engr. Zaheer ud Din Babar (Deputy General Manager Projects) Habib Rafiq Engineering (Pvt.) Ltd. Lahore

Project: Construction of Sky Gardens Tower, Lahore (Trial No.44)

Our Ref. No. CL/C	ED/ 6427	Dated:	19-11-21
Your Ref. No.	HRLE/SKG/2021/035	Dated:	16-11-21

### **COMPRESSION TEST REPORT**



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

Specimens received on: 17-11-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	8000 Psi	20	10	2021	6Diax12		14	28.28	119	9426		Non Engraved
2	8000 Psi	20	10	2021	6Diax12		14	28.28	122	9663		Non Engraved
3	8000 Psi	20	10	2021	6Diax12		14	28.28	126	9980		Non Engraved
4			-									
5			-									
6			-									
7												
8												
9			-									
10			-									
11												
12												
13												
14												
15												
16												
14/3419 0 0 0	ad 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

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



2266 Engr. Ubaid

Test Specification

To: Engr. Zaheer ud Din Babar (Deputy General Manager Projects) Habib Rafiq Engineering (Pvt.) Ltd. Lahore

Project: Construction of Sky Gardens Tower, Lahore (Trial No.45)

Our Ref. No. CL/C	ED/ 6428	Dated:	19-11-21
Your Ref. No.	HRLE/SKG/2021/036	Dated:	16-11-21

### **COMPRESSION TEST REPORT**



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

Specimens received on: 17-11-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	8000 Psi	21	10	2021	6Diax12		14	28.28	123	9743		Non Engraved
2	8000 Psi	21	10	2021	6Diax12		14	28.28	138	10931		Non Engraved
3	8000 Psi	21	10	2021	6Diax12		14	28.28	132	10455		Non Engraved
4												
5			-									
6			1									
7												
8			-									
9			-									
10			-							-		
11												
12												
13												
14										-		
15												
16										-		
W/itman	ad 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

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



2266 Engr. Ubaid

Test Specification

To: Engr. Zaheer ud Din Babar (Deputy General Manager Projects) Habib Rafiq Engineering (Pvt.) Ltd. Lahore

Project: Construction of Sky Gardens Tower, Lahore (Trial No.46)

Our Ref. No. CL/C	ED/ 6429	Dated:	19-11-21
Your Ref. No.	HRLE/SKG/2021/037	Dated:	16-11-21

### **COMPRESSION TEST REPORT**



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

Specimens received on: 17-11-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*		-	Date*	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
		DD		YYYY	( )	(Kg/ gms)	(Kg/ gms)	,	(Imp.Tons)	,	011 (78)	
1	8000 Psi	21	10	2021	6Diax12		14	28.28	91	7208		Non Engraved
2	8000 Psi	21	10	2021	6Diax12		14.2	28.28	97	7683		Non Engraved
3	8000 Psi	21	10	2021	6Diax12		14	28.28	128	10139		Non Engraved
4												
5												
6				1								
7		-	-	1								
8			-	-								
9			-	-								
10				-								
11		-	-	1								
12												
13												
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

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



2269 Engr. Ubaid

Test Specification

To: Mr. Talha Javaid (Planning and Coordinating Engineer) Construct ®

Project: Mikail Khan (House No. 177, Scotch Corner, Upper Mall, Lahore)

Our Ref. No. CL/CED/	6430	Dated:	19-11-21
Your Ref. No. Nil		Dated:	14-11-21

## **COMPRESSION TEST REPORT**



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

Specimens received on: 17-11-21 Tested on: 18-11-21 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	Remarks
		DD	мм	YYYY	(in)	(Kg/ gms)	(Kg/ gms)		(Imp.Tons)		on (%)	
1	3000 Psi	15	10	2021	6Diax12		14	28.28	57	4515		Non Engraved
2	3000 Psi	15	10	2021	6Diax12		13.8	28.28	68	5386		Non Engraved
3												
4												
5												
6			-									
7												
8												
9												
10			-									
11												
12												
13												
14												
15												
16												
14/3419 0 0 0	Witnessed 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

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



2276 Engr. Ubaid

Test Specification

To: Mr. Muhammad Azeem (Operation Manager) Amer Adnan Associates, Lahore

Project: Hotel Building at 24-A Block E/2 at Gulberg III, Lahore

Our Ref. No. CL/C	ED/ 6431	Dated:	19-11-21
Your Ref. No.	AAA/24A/0062	Dated:	17-11-21

### **COMPRESSION TEST REPORT**



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

18-11-21 in dry/wet condition Specimens received on: 17-11-21 Tested on:

Sr. No.	Mark*		-	Date*	Size	Wet Weight		Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	5000 Psi	10	11	2021	6Diax12		14	28.28	38	3010		Engraved
2	5000 Psi	10	11	2021	6Diax12		14	28.28	35	2772		Engraved
3												
4			-									
5			-									
6												
7			1									
8												
9			-									
10			-									
11			-									
12												
13			-									
14			-									
15			-									
16												
14/3419 0 0 0	Withood 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

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



2276 Engr. Ubaid

Test Specification

To: Mr. Muhammad Azeem (Operation Manager) Amer Adnan Associates, Lahore

Project: Hotel Building at 24-A Block E/2 at Gulberg III, Lahore

Our Ref. No. CL/C	ED/ 6432	Dated:	19-11-21
Your Ref. No.	AAA/24A/0063	Dated:	17-11-21

### **COMPRESSION TEST REPORT**



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

18-11-21 in dry/wet condition Specimens received on: 17-11-21 Tested on:

,												
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	мм	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	5000 Psi	20	10	2021	6Diax12		14	28.28	30	2376		Engraved
2	5000 Psi	20	10	2021	6Diax12		14	28.28	34	2693		Engraved
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
14/:400.000	Witnessed 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

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



**Civil Engineering Department** 

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



2275 Engr. Ubaid

Test Specification

To: Mr. Khalid Bashir

Ittefaq Building Solutions Pvt. Ltd. Lahore

Project: New Apparel Facility, Ferozwatwan (IBS/L-051, Apparel Building)

Our Ref. No. CL	/CED/ 6433	Dated:	19-11-21	
Your Ref. No.	IBS/SD/CT-12	Dated:	16-11-21	

### **COMPRESSION TEST REPORT**



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

Specimens received on: 17-11-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	4000 Psi (4)	21	10	2021	6Diax12		14	28.28	60	4752		Non Engraved
2	4000 Psi (5)	21	10	2021	6Diax12		14	28.28	53	4198		Non Engraved
3	4000 Psi (6)	21	10	2021	6Diax12		13.8	28.28	52	4119		Non Engraved
4			-									
5			-									
6			-									
7												
8												
9			-									
10			-									
11												
12												
13												
14												
15												
16												
14/3419 0 0 0	Witnessed 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

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



**Civil Engineering Department** 

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



2275 Engr. Ubaid

Test Specification

To: Mr. Khalid Bashir

Ittefaq Building Solutions Pvt. Ltd. Lahore

Project: New Apparel Facility, Ferozwatwan (IBS/L-051, Apparel Building)

Our Ref. No. CL	/CED/ 6434	Dated:	19-11-21
Your Ref. No.	IBS/SD/CT-13	Dated:	16-11-21

### **COMPRESSION TEST REPORT**



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

Specimens received on: 17-11-21 Tested on: 18-11-21 in dry/wet condition

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	4000 Psi (1)	9	11	2021	6Diax12		13.4	28.28	52	4119		Non Engraved
2	4000 Psi (2)	9	11	2021	6Diax12		13.4	28.28	48	3802		Non Engraved
3	4000 Psi (3)	9	11	2021	6Diax12		13.4	28.28	51	4040		Non Engraved
4												
5												
6												
7												
8												
9			-									
10			-							-		
11												
12		-	-									
13			-									
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

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



2270 Engr. Ubaid

Test Specification

#### To: M R Builders

Suite #1, First Floor, Shadman Plaza Shadman Market, Lahore

Project: Basement Slab at ABL Talwar Chowk Bahria Town Branch Lahore

Our Ref. No. CL/CED/ 6435	Dated:	19-11-21
Your Ref. No. Nil	Dated:	16-11-21

### **COMPRESSION TEST REPORT**



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

Specimens received on: 17-11-21 Tested on: 18-11-21 in dry/wet condition

Sr. No.	Mark*		-	Date* YYYY		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	28	10	2021	6Diax12		14	28.28	63	4990		Non Engraved
2	4000 Psi	28	10	2021	6Diax12		13.8	28.28	58	4594		Non Engraved
3	4000 Psi	28	10	2021	6Diax12		14	28.28	68	5386		Non Engraved
4												
5												
6												
7												
8												
9			-									
10		-	-									
11												
12			-									
13			-									
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

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



**Civil Engineering Department** 

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

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

2268 Dr. Qasim Khan

Test Specification

To: Mr. Muhammad Shoaib Alam (General Manager) **Reliance Weaving Mills Limited Lahore** 

Project: Nil		
Our Ref. No. CL/CED/ 6436	Dated:	19-11-21
Your Ref. No. Nil	Dated:	17-11-21

### **COMPRESSION TEST REPORT**



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

19-11-21 in dry/wet condition Specimens received on: 17-11-21 Tested on:

Sr. No. Mark*		Casting Date*		Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	water	Remarks
	DD	мм	үүүү	(in)	(Kg/ gms)					on (%)	
Footing (1:2:4) Line # B-C. Grid#1	19	10	2021	6x6x6		8	36	69	4293		Non Engraved
Footing (1:2:4) Line # B-C. Grid#1	19	10	2021	6x6x6		8.4	36	57	3547		Non Engraved
Footing (1:2:4) Line # B-C_ Grid#1	19	10	2021	6x6x6		8.6	36	49	3049		Non Engraved
Drumi (1:1.5:3) Line # E. Grid#25.26	19	10	2021	6x6x6		8.5	36	41	2551		Non Engraved
Drumi (1:1.5:3) Line # F. Grid#25.26	19	10	2021	6x6x6		8.4	36	114	7093		Non Engraved
Drumi (1:1.5:3) Line # E. Grid#25.26	19	10	2021	6x6x6		8.4	36	84	5227		Non Engraved
Column (1:1.5:3)	18	10	2021	6x6x6		8.4	36	59	3671		Non Engraved
Column (1:1.5:3)	18	10	2021	6x6x6		8.6	36	82	5102		Non Engraved
Column (1:1.5:3)	18	10	2021	6x6x6		8.6	36	49	3049		Non Engraved
	I										
		-									
	I	-									
		1									
		1									
		1									
		1									
	# B-C. Grid#1 Footing (1:2:4) Line # B-C. Grid#1 Footing (1:2:4) Line # E. Grid#25 26 Drumi (1:1.5:3) Line # F. Grid#25 26 Drumi (1:1.5:3) Line # F. Grid#25 26 Column (1:1.5:3) Line # F. Grid # 30 Column (1:1.5:3) Column (1:1.5:3) Line # F. Grid # 30 Column (1:1.5:3) Column (1:1	Mark*     DD       Footing (1:2:4) Line #B-C. Grid#1     19       Footing (1:2:4) Line #B-C. Grid#1     19       Footing (1:2:4) Line #B-C. Grid#1     19       Drumi (1:1.5:3) Line #E. Grid#25.26     19       Drumi (1:1.5:3) Line #E. Grid#25.26     19       Drumi (1:1.5:3) Line #E. Grid#25.26     19       Column (1:1.5:3) Line #E. Grid#25.26     18       Column (1:1.5:3) Line #E. Grid#3.01     18       Line #E. Grid #.30     18       Line # E. Grid #.30     18       Column (1:1.5:3) Line #     19	Mark*     DD     MM       Footing (1:2:4) Line     19     10       #B-C. Grid#1     19     10       Footing (1:2:4) Line     19     10       #B-C. Grid#1     19     10       Footing (1:2:4) Line     19     10       #B-C. Grid#1     19     10       Drumi (1:1.5:3) Line     19     10       #E. Grid#25 26     19     10       Drumi (1:1.5:3) Line     19     10       #E. Grid#25 26     18     10       Column (1:1.5:3) Line     19     10       Line #E. Grid#30     18     10       Column (1:1.5:3)     18     10       Line #E. Grid #30     10     10       Ince #E. Grid #30     10     11       Ince #E. Grid #30     12     11       Ince #E. Grid #30     12     12	Mark*     DD     MM YYYY       Footing (1:2:4) Line     19     10     2021       Footing (1:2:4) Line     19     10     2021       #B-C. Grid#1     19     10     2021       Footing (1:2:4) Line     19     10     2021       #B-C. Grid#1     19     10     2021       Drumi (1:1.5:3) Line     19     10     2021       Line # E. Grid#25.26     19     10     2021       Column (1:1.5:3)     18     10     2021       Line # E. Grid # 30     18     10     2021       Line # E. Grid # 30     18     10     2021       Line # E. Grid # 30     18     10     2021       Line # E. Grid # 30     18     10     2021       Line # E. Grid # 30     18     10     2021       Line # C. Grid # 30     10	Mark*     DD     MM YYYY     (in)       Footing (1:2:4) Line #B-C. Grid#1     19     10     2021     6x6x6       Footing (1:2:4) Line #B-C. Grid#1     19     10     2021     6x6x6       Footing (1:2:4) Line #B-C. Grid#1     19     10     2021     6x6x6       Drumi (1:1.5:3) Line #F. Grid#25 26     19     10     2021     6x6x6       Drumi (1:1.5:3) Line #F. Grid#25 26     19     10     2021     6x6x6       Drumi (1:1.5:3) Line #F. Grid#25 26     19     10     2021     6x6x6       Column (1:1.5:3) Line #F. Grid#25 26     19     10     2021     6x6x6       Column (1:1.5:3) Line #F. Grid#30     18     10     2021     6x6x6       Column (1:1.5:3)     18     10     2021     6x6x6       Line #F. Grid # 30     18     10     2021     6x6x6       Line #F. Grid # 30     18     10     2021     6x6x6       Line #F. Grid # 30     18     10     2021     6x6x6       Line #F. Grid # 30     18     10     2021     6x6x6 <td>Mark*     Casting Date*     Size     Weight       DD     MM YYY     (in)     (Kg/ gms)       Footing (1:2:4) Line #B-C. Grid#1     19     10     2021     6x6x6        Drumi (1:1.5:3) Line #E Grid#25.26     19     10     2021     6x6x6        Drumi (1:1.5:3) Line #E Grid#25.26     19     10     2021     6x6x6        Column (1:1.5:3) Line #E Grid#25.26     18     10     2021     6x6x6        Column (1:1.5:3)     18     10     2021     6x6x6        Column (1:1.5:3)     18     10     2021     6x6x6                  </td> <td>Mark*     Casting Date*     Size     Weight     Weight       DD     MM YYYY     (in)     (Kg/gms)     (Kg/gms)       Footing (1:2:4) Line     19     10     2021     6x6x6      8       Footing (1:2:4) Line     19     10     2021     6x6x6      8.4       Footing (1:2:4) Line     19     10     2021     6x6x6      8.4       Footing (1:2:4) Line     19     10     2021     6x6x6      8.4       Footing (1:2:4) Line     19     10     2021     6x6x6      8.5       # E. Grid#25.26     19     10     2021     6x6x6      8.4       Drumi (1:1.5:3) Line     19     10     2021     6x6x6      8.4       Column (1:1.5:3) Line     19     10     2021     6x6x6      8.4       Column (1:1.5:3)     18     10     2021     6x6x6      8.6       Line # E. Grid # 30     18     10     2021</td> <td>Mark*     Casting Date*     Size     Weight     Weight     X-Section       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8     36       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8.4     36       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8.4     36       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8.4     36       Drumi (1:1.5:3) Line # E. Grid#25.26     19     10     2021     6x6x6      8.4     36       Drumi (1:1.5:3) Line # E. Grid#25.26     19     10     2021     6x6x6      8.4     36       Column (1:1.5:3)     18     10     2021     6x6x6      8.4     36       Column (1:1.5:3)     18     10     2021     6x6x6      8.6     36       Line # E. Grid # 30     18     10     2021     6x6x6    </td> <td>Mark*     Casting Date*     Size     Weight Weight     Drunt Weight Weight     X-Section X-Section     load       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8     36     69       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8.4     36     57       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8.4     36     57       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8.6     36     49       Drumi (1:1.5:3) Line # E. Grid#25.26     19     10     2021     6x6x6      8.4     36     114       Drumi (1:1.5:3) Line # E. Grid#25.26     19     10     2021     6x6x6      8.4     36     84       Column (1:1.5:3)     18     10     2021     6x6x6      8.6     36     82       Line # E. Grid # 30     18     10     2021     6x6x6      <td< td=""><td>Mark*     Casting Date*     Size     Weight Weight     Weight Weight (Kg/gms)     X-Section (Sq. in)     load (Imp.Tons)     Stress (psi)       Footing (1:2:4) Line #B-C. Grid#1     19     10     2021     6x6x6      8     36     69     4293       Footing (1:2:4) Line #B-C. Grid#1     19     10     2021     6x6x6      8.4     36     57     3547       Footing (1:2:4) Line #B-C. Grid#1     19     10     2021     6x6x6      8.4     36     57     3547       Footing (1:2:4) Line #E. Grid#25.26     19     10     2021     6x6x6      8.6     36     49     3049       Drumi (1:1.5:3) Line #E. Grid#25.26     19     10     2021     6x6x6      8.4     36     114     7093       Drumi (1:1.5:3) Line #E. Grid#25.26     19     10     2021     6x6x6      8.4     36     84     5227       Column (1:1.5:3)     18     10     2021     6x6x6      8.6     36     82</td><td>Mark*     Casting Date*     Size     Weight Weight (Kg/gms)     Weight (Kg/gms)     X-Section (Sq. in)     load (Imp.Tons)     Weight Absorption (psi)       Footing (1:2:4) Line #B.C. Grid#1     19     10     2021     6x6x6      8     36     69     4293        Footing (1:2:4) Line #B.C. Grid#1     19     10     2021     6x6x6      8.4     36     57     3547        Footing (1:2:4) Line #B.C. Grid#1     19     10     2021     6x6x6      8.6     36     49     3049        Fording (1:2:4) Line #E. Grid#25 26     19     10     2021     6x6x6      8.6     36     41     2551        Drumi (1:1.5:3) Line #E. Grid#25 26     19     10     2021     6x6x6      8.4     36     84     5227        Drumi (1:1.5:3) Line #E. Grid#25 26     19     10     2021     6x6x6      8.4     36     84     5227        Column (1:1.5:3) Line #E. Grid#3.0     18</td></td<></td>	Mark*     Casting Date*     Size     Weight       DD     MM YYY     (in)     (Kg/ gms)       Footing (1:2:4) Line #B-C. Grid#1     19     10     2021     6x6x6        Drumi (1:1.5:3) Line #E Grid#25.26     19     10     2021     6x6x6        Drumi (1:1.5:3) Line #E Grid#25.26     19     10     2021     6x6x6        Column (1:1.5:3) Line #E Grid#25.26     18     10     2021     6x6x6        Column (1:1.5:3)     18     10     2021     6x6x6        Column (1:1.5:3)     18     10     2021     6x6x6	Mark*     Casting Date*     Size     Weight     Weight       DD     MM YYYY     (in)     (Kg/gms)     (Kg/gms)       Footing (1:2:4) Line     19     10     2021     6x6x6      8       Footing (1:2:4) Line     19     10     2021     6x6x6      8.4       Footing (1:2:4) Line     19     10     2021     6x6x6      8.4       Footing (1:2:4) Line     19     10     2021     6x6x6      8.4       Footing (1:2:4) Line     19     10     2021     6x6x6      8.5       # E. Grid#25.26     19     10     2021     6x6x6      8.4       Drumi (1:1.5:3) Line     19     10     2021     6x6x6      8.4       Column (1:1.5:3) Line     19     10     2021     6x6x6      8.4       Column (1:1.5:3)     18     10     2021     6x6x6      8.6       Line # E. Grid # 30     18     10     2021	Mark*     Casting Date*     Size     Weight     Weight     X-Section       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8     36       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8.4     36       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8.4     36       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8.4     36       Drumi (1:1.5:3) Line # E. Grid#25.26     19     10     2021     6x6x6      8.4     36       Drumi (1:1.5:3) Line # E. Grid#25.26     19     10     2021     6x6x6      8.4     36       Column (1:1.5:3)     18     10     2021     6x6x6      8.4     36       Column (1:1.5:3)     18     10     2021     6x6x6      8.6     36       Line # E. Grid # 30     18     10     2021     6x6x6	Mark*     Casting Date*     Size     Weight Weight     Drunt Weight Weight     X-Section X-Section     load       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8     36     69       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8.4     36     57       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8.4     36     57       Footing (1:2:4) Line # B-C. Grid#1     19     10     2021     6x6x6      8.6     36     49       Drumi (1:1.5:3) Line # E. Grid#25.26     19     10     2021     6x6x6      8.4     36     114       Drumi (1:1.5:3) Line # E. Grid#25.26     19     10     2021     6x6x6      8.4     36     84       Column (1:1.5:3)     18     10     2021     6x6x6      8.6     36     82       Line # E. Grid # 30     18     10     2021     6x6x6 <td< td=""><td>Mark*     Casting Date*     Size     Weight Weight     Weight Weight (Kg/gms)     X-Section (Sq. in)     load (Imp.Tons)     Stress (psi)       Footing (1:2:4) Line #B-C. Grid#1     19     10     2021     6x6x6      8     36     69     4293       Footing (1:2:4) Line #B-C. Grid#1     19     10     2021     6x6x6      8.4     36     57     3547       Footing (1:2:4) Line #B-C. Grid#1     19     10     2021     6x6x6      8.4     36     57     3547       Footing (1:2:4) Line #E. Grid#25.26     19     10     2021     6x6x6      8.6     36     49     3049       Drumi (1:1.5:3) Line #E. Grid#25.26     19     10     2021     6x6x6      8.4     36     114     7093       Drumi (1:1.5:3) Line #E. Grid#25.26     19     10     2021     6x6x6      8.4     36     84     5227       Column (1:1.5:3)     18     10     2021     6x6x6      8.6     36     82</td><td>Mark*     Casting Date*     Size     Weight Weight (Kg/gms)     Weight (Kg/gms)     X-Section (Sq. in)     load (Imp.Tons)     Weight Absorption (psi)       Footing (1:2:4) Line #B.C. Grid#1     19     10     2021     6x6x6      8     36     69     4293        Footing (1:2:4) Line #B.C. Grid#1     19     10     2021     6x6x6      8.4     36     57     3547        Footing (1:2:4) Line #B.C. Grid#1     19     10     2021     6x6x6      8.6     36     49     3049        Fording (1:2:4) Line #E. Grid#25 26     19     10     2021     6x6x6      8.6     36     41     2551        Drumi (1:1.5:3) Line #E. Grid#25 26     19     10     2021     6x6x6      8.4     36     84     5227        Drumi (1:1.5:3) Line #E. Grid#25 26     19     10     2021     6x6x6      8.4     36     84     5227        Column (1:1.5:3) Line #E. Grid#3.0     18</td></td<>	Mark*     Casting Date*     Size     Weight Weight     Weight Weight (Kg/gms)     X-Section (Sq. in)     load (Imp.Tons)     Stress (psi)       Footing (1:2:4) Line #B-C. Grid#1     19     10     2021     6x6x6      8     36     69     4293       Footing (1:2:4) Line #B-C. Grid#1     19     10     2021     6x6x6      8.4     36     57     3547       Footing (1:2:4) Line #B-C. Grid#1     19     10     2021     6x6x6      8.4     36     57     3547       Footing (1:2:4) Line #E. Grid#25.26     19     10     2021     6x6x6      8.6     36     49     3049       Drumi (1:1.5:3) Line #E. Grid#25.26     19     10     2021     6x6x6      8.4     36     114     7093       Drumi (1:1.5:3) Line #E. Grid#25.26     19     10     2021     6x6x6      8.4     36     84     5227       Column (1:1.5:3)     18     10     2021     6x6x6      8.6     36     82	Mark*     Casting Date*     Size     Weight Weight (Kg/gms)     Weight (Kg/gms)     X-Section (Sq. in)     load (Imp.Tons)     Weight Absorption (psi)       Footing (1:2:4) Line #B.C. Grid#1     19     10     2021     6x6x6      8     36     69     4293        Footing (1:2:4) Line #B.C. Grid#1     19     10     2021     6x6x6      8.4     36     57     3547        Footing (1:2:4) Line #B.C. Grid#1     19     10     2021     6x6x6      8.6     36     49     3049        Fording (1:2:4) Line #E. Grid#25 26     19     10     2021     6x6x6      8.6     36     41     2551        Drumi (1:1.5:3) Line #E. Grid#25 26     19     10     2021     6x6x6      8.4     36     84     5227        Drumi (1:1.5:3) Line #E. Grid#25 26     19     10     2021     6x6x6      8.4     36     84     5227        Column (1:1.5:3) Line #E. Grid#3.0     18

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

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

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

2272 Dr. Qasim Khan

Test Specification

To: Mr. Altaf Hussain (M.E) A S Enterprises (AA Associates)

Project: Style Textile Mill Raiwind Road (65 Chak)

Our Ref. No. CL/0	CED/ 6437	Dated:	19-11-21
Your Ref. No.	ASE/05	Dated:	16-11-21

### **COMPRESSION TEST REPORT**



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

19-11-21 in dry/wet condition Specimens received on: 17-11-21 Tested on:

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	Lab # 448 (C30)	20	10	2021	6x6x6		8.4	36	92	5724		Non Engraved
2	Lab # 448 (C30)	20	10	2021	6x6x6		8.8	36	91	5662		Non Engraved
3	Lab # 448 (C30)	20	10	2021	6x6x6		8.2	36	81	5040		Non Engraved
4	Lab # 449 (C30)	20	10	2021	6x6x6		8.4	36	84	5227		Non Engraved
5	Lab # 449 (C30)	20	10	2021	6x6x6		8.6	36	99	6160		Non Engraved
6	Lab # 449 (C30)	20	10	2021	6x6x6		8.6	36	85	5289		Non Engraved
7			-	1								
8			-	-								
9			-									
10												
11			-						-			
12												
13												
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

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



2278 Dr. Qasim Khan

Test Specification

To: Mr. Asif Hayat Bhatti (Sr. Engineer Civil)

Sui Northern Gas Pipelines Ltd. Lahore

Project: Construction of Domestic Meter Inspection Shop at Faisalabad

Our Ref. No. CL/	'CED/ 6438	Dated:	19-11-21
Your Ref. No.	CC/DMIS/FSD	Dated:	17-11-21

### **COMPRESSION TEST REPORT**



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

19-11-21 in dry/wet condition Specimens received on: 18-11-21 Tested on:

Sr. No.	Sr. No. Mark*		Casting Date*		Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1		30	9	2021	6x6x6		8.8	36	69	4293		Engraved
2		30	9	2021	6x6x6		8.6	36	65	4044		Engraved
3				-								
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14											-	
15												
16												
W/itmaaa	Witnessed 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

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



**Civil Engineering Department** 

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



2280 Dr. Qasim Khan

Test Specification

To: Mr. Sarfraz Rasheed (GM Projects)

Ittefaq Building Solutions Pvt. Ltd. Lahore

Project: Fauji Fresh n Freeze - Sahiwal (Hopper Area Hall Floor)

Our Ref. No. CL/CED/ 6439	Dated:	19-11-21
Your Ref. No. Nil	Dated:	18-11-21

## **COMPRESSION TEST REPORT**



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

19-11-21 in dry/wet condition Specimens received on: 18-11-21 Tested on:

Sr. No.	Sr. No. Mark*		-	Date*	Size	Wet Weight		Area of X-Section		Ultimate Stress	Absorpti	Remarks	
			DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	3750 Psi	17	10	2021	6x6x6		9	36	75	4667		Non Engraved	
2	3750 Psi	17	10	2021	6x6x6		9	36	118	7342		Non Engraved	
3	3750 Psi	17	10	2021	6x6x6		9	36	110	6844		Non Engraved	
4			-										
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12													
13													
14													
15													
16													
Witnessed by Nil													

Witnessed by: Nil

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Supervisor (Lab)



**Civil Engineering Department** 

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

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

2280 Dr. Qasim Khan

Test Specification

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To: Mr. Sarfraz Rasheed (GM Projects) Ittefaq Building Solutions Pvt. Ltd. Lahore

Project: Fauji Fresh n Freeze - Sahiwal

Our Ref. No. CL/CED/ 6	6440	Dated:	19-11-21
Your Ref. No. Nil		Dated:	18-11-21

### **COMPRESSION TEST REPORT**



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

19-11-21 in dry/wet condition Specimens received on: 18-11-21 Tested on:

-												
Sr. No. Mark*	Mark*	Casting Date*		Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Rectangular Grey (80mm)			-	7.7x3.8x3.3		3710	29.26	45	3445		
2	Rectangular Grey (80mm)				7.7x3.8x3.0		3365	29.26	60	4593		
3	Rectangular Grey (80mm)				7.7x3.8x3.2		3600	29.26	44	3368		
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14												
15												
16												
Witness	ad by: Nil											

Witnessed by: Nil

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