

**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.

> 7574 Dr. Umbreen

## To: Mr. Zeeshan Asghar

GM Project, ALBARIO ENGINEERING (PVT) LTD.

Project: Mangla Refurbishment Project. (Generator Stator Sole Plate Unit-4 in Mangla Power House.)

Our Ref. No. CL/CED/ 5502	Dated:	09-08-24	Test Specification
Your Ref. No. AEPL-MRP-3&4-08	Dated:	06-08-24	( )

## **COMPRESSION TEST REPORT**



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

ens received on:	0	8-08	-24	Tested on:	09-0	8-24	in dry/wet condition			ONLINE REPORT	
Mark*	Cas DD	-		Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)			Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
Sika Grout-275 (Generator Plate)	3	8	2024	2x2x2		295	4	10	5600		Non Engraved
Sika Grout-275 (Lower Bracket)	3	8	2024	2x2x2		295	4	11	6160		Non Engraved
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	Mark*  Sika Grout-275 (Generator Plate) Sika Grout-275 (Lower Bracket)	Mark*         Cas           DD         DD           Sika Grout-275         3           Sika Grout-275         3           (Lower Bracket)         3 <td>Mark*         Casting           DD         MM           Sika Grout-275 (Generator Plate)         3         8           Sika Grout-275 (Lower Bracket)         3         8           Casting         3         8           Sika Grout-275 (Lower Bracket)         3         8  </td> <td>Mark*         Casting Date*           DD         MM VYYY           Sika Grout-275 (Generator Plate)         3         8         2024           Sika Grout-275 (Lower Bracket)         3         8         2024   </td> <td>Mark*         Casting Date*         Size           DD         MM YYYY         (in)           Sika Grout-275 (Generator Plate)         3         8         2024         2x2x2           Sika Grout-275 (Lower Bracket)         3         8         2024         2x2x2   &lt;</td> <td>Mark*         Casting Date*         Size         Wet Weight Weight           DD         MM YYYY         (in)         (Kg/gms)           Sika Grout-275 (Generator Plate)         3         8         2024         2x2x2            Sika Grout-275 (Lower Bracket)         3         8         2024         2x2x2  </td> <td>Mark*         Casting Date*         Size         Wet Weight         Dry Weight           Sika Grout-275         3         8         2024         2x2x2          295           Sika Grout-275         3         8         2024         2x2x2          295           Sika Grout-275         3         8         2024         2x2x2          295           (Lower Bracket)         3         8         2024         2x2x2          295               295          295                295                 295                295                295                             &lt;</td> <td>Mark*         Casting Date*         Size         Wet Weight Weight Weight Weight S-Section (Kg/gms) (Kg/gms) (Sq. in)           Sika Grout-275 (Generator Plate)         3         8         2024         2x2x2          295         4           Sika Grout-275 (Generator Plate)         3         8         2024         2x2x2          295         4           Sika Grout-275 (Lower Bracket)         3         8         2024         2x2x2          295         4              295         4              295         4               295         4  <td>Mark*         Casting Date*         Size         Wet Weight (Kg/ gms)         Dry Weight (Sq. in)         Area of X-Section load         Ultimate load           Sika Grout-275 (Generator Plate)         3         8         2024         <math>2x2x2</math>          295         4         10           Sika Grout-275 (Generator Plate)         3         8         2024         <math>2x2x2</math>          295         4         10           Sika Grout-275 (Generator Plate)         3         8         2024         <math>2x2x2</math>          295         4         11             295         4         11  </td><td>Mark*         Casting Date*         Size         Wet Weight (Kg/ gms)         Dry Weight (Kg/ gms)         Area of X-Section (Imp. Tons)         Ultimate Stress (psi)           Sika Grout-275         3         8         2024         <math>2x2x2</math>          295         4         10         5600           Sika Grout-275         3         8         2024         <math>2x2x2</math>          295         4         11         6160             295         4         11         6160   <!--</td--><td>Mark*         Casting Date*         Size         Weight Weight (Kg/ gms)         Dry Weight (Kg/ gms)         Area of X-Section         Ultimate load         Water Absorption (%)           Sika Grout-275         3         8         2024         2x2x2          295         4         10         5600            Sika Grout-275         3         8         2024         2x2x2          295         4         10         5600            Sika Grout-275         3         8         2024         2x2x2          295         4         10         5600            Sika Grout-275         3         8         2024         2x2x2          295         4         11         6160            I-ower Bracket)         3         8         2024         2x2x2          295         4         11         6160            I-ower Bracket)         3         8         2024         2x2x2          295         4         11         6160            I-ower Bracket)         3         8         2024         2x2x2          295         4         11         &lt;</td></td></td>	Mark*         Casting           DD         MM           Sika Grout-275 (Generator Plate)         3         8           Sika Grout-275 (Lower Bracket)         3         8           Casting         3         8           Sika Grout-275 (Lower Bracket)         3         8	Mark*         Casting Date*           DD         MM VYYY           Sika Grout-275 (Generator Plate)         3         8         2024           Sika Grout-275 (Lower Bracket)         3         8         2024	Mark*         Casting Date*         Size           DD         MM YYYY         (in)           Sika Grout-275 (Generator Plate)         3         8         2024         2x2x2           Sika Grout-275 (Lower Bracket)         3         8         2024         2x2x2   <	Mark*         Casting Date*         Size         Wet Weight Weight           DD         MM YYYY         (in)         (Kg/gms)           Sika Grout-275 (Generator Plate)         3         8         2024         2x2x2            Sika Grout-275 (Lower Bracket)         3         8         2024         2x2x2	Mark*         Casting Date*         Size         Wet Weight         Dry Weight           Sika Grout-275         3         8         2024         2x2x2          295           Sika Grout-275         3         8         2024         2x2x2          295           Sika Grout-275         3         8         2024         2x2x2          295           (Lower Bracket)         3         8         2024         2x2x2          295               295          295                295                 295                295                295                             <	Mark*         Casting Date*         Size         Wet Weight Weight Weight Weight S-Section (Kg/gms) (Kg/gms) (Sq. in)           Sika Grout-275 (Generator Plate)         3         8         2024         2x2x2          295         4           Sika Grout-275 (Generator Plate)         3         8         2024         2x2x2          295         4           Sika Grout-275 (Lower Bracket)         3         8         2024         2x2x2          295         4              295         4              295         4               295         4 <td>Mark*         Casting Date*         Size         Wet Weight (Kg/ gms)         Dry Weight (Sq. in)         Area of X-Section load         Ultimate load           Sika Grout-275 (Generator Plate)         3         8         2024         <math>2x2x2</math>          295         4         10           Sika Grout-275 (Generator Plate)         3         8         2024         <math>2x2x2</math>          295         4         10           Sika Grout-275 (Generator Plate)         3         8         2024         <math>2x2x2</math>          295         4         11             295         4         11  </td> <td>Mark*         Casting Date*         Size         Wet Weight (Kg/ gms)         Dry Weight (Kg/ gms)         Area of X-Section (Imp. Tons)         Ultimate Stress (psi)           Sika Grout-275         3         8         2024         <math>2x2x2</math>          295         4         10         5600           Sika Grout-275         3         8         2024         <math>2x2x2</math>          295         4         11         6160             295         4         11         6160   <!--</td--><td>Mark*         Casting Date*         Size         Weight Weight (Kg/ gms)         Dry Weight (Kg/ gms)         Area of X-Section         Ultimate load         Water Absorption (%)           Sika Grout-275         3         8         2024         2x2x2          295         4         10         5600            Sika Grout-275         3         8         2024         2x2x2          295         4         10         5600            Sika Grout-275         3         8         2024         2x2x2          295         4         10         5600            Sika Grout-275         3         8         2024         2x2x2          295         4         11         6160            I-ower Bracket)         3         8         2024         2x2x2          295         4         11         6160            I-ower Bracket)         3         8         2024         2x2x2          295         4         11         6160            I-ower Bracket)         3         8         2024         2x2x2          295         4         11         &lt;</td></td>	Mark*         Casting Date*         Size         Wet Weight (Kg/ gms)         Dry Weight (Sq. in)         Area of X-Section load         Ultimate load           Sika Grout-275 (Generator Plate)         3         8         2024 $2x2x2$ 295         4         10           Sika Grout-275 (Generator Plate)         3         8         2024 $2x2x2$ 295         4         10           Sika Grout-275 (Generator Plate)         3         8         2024 $2x2x2$ 295         4         11             295         4         11	Mark*         Casting Date*         Size         Wet Weight (Kg/ gms)         Dry Weight (Kg/ gms)         Area of X-Section (Imp. Tons)         Ultimate Stress (psi)           Sika Grout-275         3         8         2024 $2x2x2$ 295         4         10         5600           Sika Grout-275         3         8         2024 $2x2x2$ 295         4         11         6160             295         4         11         6160 </td <td>Mark*         Casting Date*         Size         Weight Weight (Kg/ gms)         Dry Weight (Kg/ gms)         Area of X-Section         Ultimate load         Water Absorption (%)           Sika Grout-275         3         8         2024         2x2x2          295         4         10         5600            Sika Grout-275         3         8         2024         2x2x2          295         4         10         5600            Sika Grout-275         3         8         2024         2x2x2          295         4         10         5600            Sika Grout-275         3         8         2024         2x2x2          295         4         11         6160            I-ower Bracket)         3         8         2024         2x2x2          295         4         11         6160            I-ower Bracket)         3         8         2024         2x2x2          295         4         11         6160            I-ower Bracket)         3         8         2024         2x2x2          295         4         11         &lt;</td>	Mark*         Casting Date*         Size         Weight Weight (Kg/ gms)         Dry Weight (Kg/ gms)         Area of X-Section         Ultimate load         Water Absorption (%)           Sika Grout-275         3         8         2024         2x2x2          295         4         10         5600            Sika Grout-275         3         8         2024         2x2x2          295         4         10         5600            Sika Grout-275         3         8         2024         2x2x2          295         4         10         5600            Sika Grout-275         3         8         2024         2x2x2          295         4         11         6160            I-ower Bracket)         3         8         2024         2x2x2          295         4         11         6160            I-ower Bracket)         3         8         2024         2x2x2          295         4         11         6160            I-ower Bracket)         3         8         2024         2x2x2          295         4         11         <

#### Witnessed by: Nil

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

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

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

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

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

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.



Our Ref. No. CL/C	ED/ 5503	Dated:	09-08-24	Test Specification
Your Ref. No.	AEE-IV/LCCD-II/SAP/52	Dated:	14-05-24	( BS 1881-116 )

## **COMPRESSION TEST REPORT**



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

Specim	ens received on:	0	7-08	-24	Tested on:	09-0	8-24	in dry/wet	condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	PCC (1:2:4)	11	4	2024	6x6x6		8.4	36	76	4729		Non Engraved
2	PCC (1:2:4)	11	4	2024	6x6x6		8.8	36	52	3236		Non Engraved
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Witness	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

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.



**Civil Engineering Department** 

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

7569 Dr. Umbreen

To: Asstt: Executive Engineer-IV

Central Civil Division No.II, Pak P.W.D., Lahore.

Project: Construction of PCC, Soling, Nallah and Drain at UC Badomali, District Nankana Sahib (07/38) (02/62)

Our Ref. No. CL	/CED/ 5504	Dated:	09-08-24	Test Specification
Your Ref. No.	AEE-IV/LCCD-II/SAP/05	Dated:	13-11-23	(BS 1881-116)

# COMPRESSION TEST REPORT



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

Specim	ens received on:	0	7-08	-24	Tested on:	09-0	8-24	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	-	Date*	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	PCC (1:2:4)	10	10	2023	6x6x6		9	36	58	3609		Non Engraved
2	PCC (1:2:4)	10	10	2023	6x6x6		9	36	76	4729		Non Engraved
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Witness	ed by: Nil											

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

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

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

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

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

7548 Dr. M. Yousaf

#### To: Mr. Umer Maqsood

Project Manager, PAKMIX Ready Mix Concrete.

Project: Construction of JDW Tower Gulberg Lahore. (Contractor: AJK Engineer Pvt. Ltd.)

Our Ref. No. CL/CED/ 5505	Dated:	09-08-24	Test Specification
Your Ref. No. Nil	Dated:	05-08-24	(ASTM C39)

## COMPRESSION TEST REPORT

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

Specim	ens received on:	0	5-08	-24	Tested on:	07-0	8-24	in dry/wet	t condition			ONLINE REPORT
Sr. No.	Mark*		-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Pile No. 75 (4000 Psi)	7	7	2024	6Diax12		14	28.28	45	3564		Non Engraved
2	Pile No. 75 (4000 Psi)	7	7	2024	6Diax12		13.4	28.28	46	3644		Non Engraved
3	Pile No. 75 (4000 Psi)	7	7	2024	6Diax12		14	28.28	29	2297		Non Engraved
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Witness	Witnessed by: Nil											

#### witnessea by: Nil

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

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

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

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

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

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 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

7548 Dr. M. Yousaf

### To: Mr. Umer Maqsood

Project Manager, PAKMIX Ready Mix Concrete.

Project: Construction of JDW Tower Gulberg Lahore. (Contractor: AJK Engineer Pvt. Ltd.)

Our Ref. No. CL/CED/ 5506	Dated:	09-08-24	Test Specification
Your Ref. No. Nil	Dated:	05-08-24	(ASTM C39)

## **COMPRESSION TEST REPORT**

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

Specimens received on:		0	5-08	-24	Tested on:	07-0	08-24	in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*		-	Date*	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Pile No. 156,159 (4000 Psi)	28	7	2024	6Diax12		14.2	28.28	30	2376		Non Engraved
2	Pile No. 156,159 (4000 Psi)	28	7	2024	6Diax12		13	28.28	29	2297		Non Engraved
3	Pile No. 156,159 (4000 Psi)	28	7	2024	6Diax12		13.4	28.28	49	3881		Non Engraved
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Witness	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

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.



**Civil Engineering Department** 

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

7548 Dr. M. Yousaf

### To: Mr. Umer Maqsood

Project Manager, PAKMIX Ready Mix Concrete.

Project: Construction of JDW Tower Gulberg Lahore. (Contractor: AJK Engineer Pvt. Ltd.)

Our Ref. No. CL/CED/ 5507	Dated:	09-08-24	Test Specification
Your Ref. No. Nil	Dated:	05-08-24	(ASTM C39)

## **COMPRESSION TEST REPORT**

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

Specimens received on:		0	05-08-24		Tested on:	07-0	8-24	in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*		-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Pile No. 166,158 (4000 Psi)	30	7	2024	6Diax12		13.6	28.28	29	2297		Non Engraved
2	Pile No. 166,158 (4000 Psi)	30	7	2024	6Diax12		13.4	28.28	30	2376		Non Engraved
3	Pile No. 166,158 (4000 Psi)	30	7	2024	6Diax12		13	28.28	26	2059		Non Engraved
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Witness	Nitnessed by: Nil											

#### Witnessed by: Nil

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

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

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

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

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

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.



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7548 Dr. M. Yousaf

### To: Mr. Umer Maqsood

Project Manager, PAKMIX Ready Mix Concrete.

Project: Construction of JDW Tower Gulberg Lahore. (Contractor: AJK Engineer Pvt. Ltd.)

Our Ref. No. CL/CED/ 5508	Dated:	09-08-24	Test Specification
Your Ref. No. Nil	Dated:	05-08-24	(ASTM C39)

## **COMPRESSION TEST REPORT**

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

Specim	ens received on:	0	5-08	-24	Tested on:	07-0	8-24	in dry/wet	condition			ONLINE REPORT
Sr. No.	Mark*		-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Pile No. 68,73 (4000 Psi)	8	7	2024	6Diax12		13.8	28.28	50	3960		Non Engraved
2	Pile No. 68,73 (4000 Psi)	8	7	2024	6Diax12		13.4	28.28	60	4752		Non Engraved
3	Pile No. 68,73 (4000 Psi)	8	7	2024	6Diax12		13.6	28.28	45	3564		Non Engraved
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15												
16												
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

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

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

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

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



## **Executive Engineer**

**Buildings Division Kasur.** 

Project: Construction of 07-Nos New Class Rooms in Schools (FCDO) (PESP-II) One at Govt. Primary School Pial Kalan No.2 (01-No. C/R) Tehsil & District Kasur (EMIS Code-35120433) Our Ref. No. CL/CED/ 5509 09-08-24 Dated: Your Ref. No. 3793/D Dated: 10-07-24

## **COMPRESSION TEST REPORT**

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

Specim	ens received on:	2	23-07	-24	Tested on:	09-0	)8-24	in dry/wet	condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD		Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	SB				8.9 x 4.3 x 3		3350	38.27	40	2341		
2	SB				8.8 x 4.4 x 3		3240	38.72	50	2893		
3	SB				8.9 x 4.4 x 3		3400	39.16	46	2631		
4												
5					<	STATI	RING					
6					- ).	READ IN	2071					
7						OF THY GRAD WHC CREATES	رچې ا اند کې خلق ر	133				
8					- 83							
9					- /			<b>N</b>				
10					<		IORE.					
11												
12												
13												
14												
15												
16												
Witness	sed by:											

#### Witnessed by:

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

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

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

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

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

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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

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

## **Director/Dy. Director Concrete Laboratory**

Test Specification

(----)



To: **Executive Engineer** 

**Buildings Division Kasur.** 

Project: Construction of 07-Nos New Class Rooms in Schools (FCDO) (PESP-II) One at Govt. Primary School Bunga Sardar Kahan Singh (01-No. C/R) Tehsil Pattoki District Kasur (EMIS Code-35130128) Our Ref. No. CL/CED/ 5510 Dated: 09-08-24 Dated: 22-06-24

Your Ref. No. 3661/C

## COMPRESSION TEST REPORT

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

Specim	ens received on:	2	3-07	-24	Tested on:	09-0	)8-24	in dry/wet	condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD		Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	BBC				8.9 x 4.4 x 3		3395	39.16	48	2746		
2	BBC				8.9 x 4.3 x 3		3415	38.27	46	2692		
3	BBC				9 x 4.4 x 3		3420	39.6	48	2715		
4												
5						STANE	RING					
6					- ),	READ IN	2071					
7						OF THY GRAD WHC CREATES	رچې ا اند کې خلق ر	133				
8					1							
9					>	20-		2				
10					<		IORE.					
11												
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13												
14												
15												
16												
Witness	sed by:					•	•	•	•	•		

#### Witnessed by:

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

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

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

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

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

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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

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

## **Director/Dy. Director Concrete Laboratory**

Test Specification

(----)





To: Mr. Tahawar Owais

Project Manager, DSG Energy

Project: Construction of Office Building at 29-M QIE, Lahore.

Our Ref. No. CL/CED/ 5511	Dated:	09-08-24	Test Specification
Your Ref. No. Nil	Dated:	Nil	(ASTM C39)

## **COMPRESSION TEST REPORT**

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

Specim	ens received on:	0	8-08	-24	Tested on:	09-0	8-24	in dry/wet	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1		9	7	2024	6Diax12		14.4	28.28	90	7129		Non Engraved
2		9	7	2024	6Diax12		14	28.28	96	7604		Non Engraved
3		9	7	2024	6Diax12		14.6	28.28	74	5861		Non Engraved
4		9	7	2024	6Diax12	/	14.6	28.28	84	6653		Non Engraved
5		9	7	2024	6Diax12	NHINE	R/15	28.28	87	6891		Non Engraved
6		9	7	2024	6Diax12	READIN	14.6	28.28	85	6733		Non Engraved
7						OF THY 	زیجے۔ اندکی خلق ر	I FCP				
8					S.R. 1			i Na				
9					-	20						
10					-		IDRE					
11												
12												
13												
14												
15												
16												
Witness	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

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)



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

> 7552 Dr. Umbreen

Sub Divisional Officer Buildings Sub Division No. 15, Lahore Project: Construction of New Courts Block at Site of Old Administration Block at Lahore High Court, Lahore (6th Floor- Slab Darbar Side) Our Ref. No. CL/CED/ 5512 Dated: 09-08-24 Test Specification Your Ref. No. Memo No. 926 Dated: 02-08-24

Mobile: 0307-0496895

# COMPRESSION TEST REPORT



(ASTM C39)

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

Specim	ens received on:	0	5-08	-24	Tested on:	09-0	)8-24	in dry/wet	condition			iesterij
Sr. No.	Mark*	Cas DD	-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	3000 Psi	25	7	2024	6Diax12		13	28.28	20	1584		Non Engraved
2	3000 Psi	25	7	2024	6Diax12		13.4	28.28	22	1743		Non Engraved
3	3000 Psi	25	7	2024	6Diax12		13.4	28.28	18	1426		Non Engraved
4												
5					(	NETNE	RING					
6					)	READ IN	2071	<u> </u>				
7						OF THY GRO WHO OREATES	ریجب اندمی خلق ر	i fîl				
8					188			<b>N</b> 9				
9					7			2				
10					<	/ A	IOR <u>E</u>					
11												
12												
13												
14												
15												
16												
Witness	sed by:											

#### witnessea by:

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

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

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

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

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

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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.



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

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

7552 Dr. Umbreen

Sub Divisional Officer			
Buildings Sub Division No. 15, Lahore			
Project: Construction of New Courts Block at Site of ( (5th Floor- Slab Darbar Side)	Old Administration Block at La	hore High Court, I	Lahore
Our Ref. No. CL/CED/ 5513	Dated:	09-08-24	Test Specification
Your Ref. No. Memo No. 924	Dated:	02-08-24	(ASTM C39)

# COMPRESSION TEST REPORT



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

Specim	ens received on:	0	5-08	-24	Tested on:	09-0	08-24	in dry/we	t condition		Ċ	je steri
Sr. No.	Mark*	Cas DD	-	Date*	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	3000 Psi	3	7	2024	6Diax12		13.6	28.28	50	3960		Non Engraved
2	3000 Psi	3	7	2024	6Diax12		13	28.28	40	3168		Non Engraved
3	3000 Psi	3	7	2024	6Diax12		13.4	28.28	48	3802		Non Engraved
4												
5					-	NHNE	RING					
6					-	READ IN	2071					
7						OF THY HORD WHO OREATES	زیجی ان کی خلق ر					
8					S.R. 1			5				
9					-	20						
10					-		IDR <u>F.</u>					
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12												
13												
14												
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16												
Witness	ed by:											

#### witnessea by:

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

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

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

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

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



# 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.

> 7552 Dr. Umbreen

Sub Divisional O	Officer			
Buildings Sub D	ivision No. 15, Lahore			
Project: Constru (5th Floor- Colur	ction of New Courts Block at Site of nn Darbar Side)	Old Administration Block at La	hore High Court, Lahore	
Our Ref. No. CL/	CED/ 5514	Dated:	09-08-24	Ī
Your Ref. No.	Memo No. 930	Dated:	05-08-24	

# **COMPRESSION TEST REPORT**



Test Specification (ASTM C39)

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

Specimo	ens received on:	0	5-08	-24	Tested on:	09-0	)8-24	in dry/we	t condition		Ē	jesneg
Sr. No.	Mark*		-	Date*	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	5	7	2024	6Diax12		14	28.28	68	5386		Non Engraved
2	4000 Psi	5	7	2024	6Diax12		13.8	28.28	52	4119		Non Engraved
3	4000 Psi	5	7	2024	6Diax12		14	28.28	74	5861		Non Engraved
4						/						
5					1	WHINE	RINS A					
6					-	READIN	2071					
7						OF THY 	زیجب الذکی خلق ر					
8					S.R.			5				
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14												
15												
16												
Witness	ed by:											

#### witnessea by:

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

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

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

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

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

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.



# Plain and Reinforced Concrete Laboratory

**Civil Engineering Department** 

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

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

> 7552 Dr. Umbreen

Sub Divisional Officer		
Buildings Sub Division No. 15, La	hore	
Project: Construction of New Co (6th Floor- Column Darbar Side)	rts Block at Site of Old Administration Block at Lahore High Court, Lahor	e
Our Ref. No. CL/CED/ 5515	Dated: 09-08-24	Ī
Your Ref. No. Memo No. 932	Dated: 05-08-24	

# **COMPRESSION TEST REPORT**



Test Specification (ASTM C39)

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

Specim	ens received on:	0	5-08	-24	Tested on:	09-0	8-24	in dry/wet condition			Ü	jesker
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	4000 Psi	28	7	2024	6Diax12		13	28.28	48	3802		Non Engraved
2	4000 Psi	28	7	2024	6Diax12		13.4	28.28	74	5861		Non Engraved
3	4000 Psi	28	7	2024	6Diax12		13.4	28.28	64	5069		Non Engraved
4												
5						THE	RING					
6						READIN						
7						OF THY HORD WHO OREATES	ز <u>ع</u> ۔ اندکی خلق ر	£21				
8					- 88			5				
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Witness	Witnessed by:											

#### witnessea by:

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

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

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

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

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as 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 <u>ORIGINAL</u> A carbon copy for the report has been retained in the lab for record.

> 7567 Dr. Umbreen

#### To: Executive Engineer (B&W) UVAS, Lahore. (M/S Shaheen Construction Company)

Project: Construction of Wrestling Academy at Sport Complex City Campus, UVAS, Lahore.

Our Ref. No. CL/C	CED/ 5516	Dated:	09-08-24	Test Specification
Your Ref. No.	E.E 905	Dated:	07-08-24	(ASTM C39)

# **COMPRESSION TEST REPORT**



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

Specim	ens received on:	0	7-08	-24	Tested on:	09-0	8-24	in dry/wet condition			Ü	12.3. <b>8</b> .96
Sr. No.	Mark*		•	Date*	Size	Wet Weight	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress	Water Absorpti on (%)	Remarks
1	G.F Beam & Slab	30	7	2024	(in) 6Diax12	(r.g/ gills) 	(rtg/ gills) 14	28.28	(imp. rons) 40	(psi) 3168		Engraved
2	(5000 Psi) (1:1:2) G.F Beam & Slab (5000 Psi) (1:1:2)	31	7	2024	6Diax12		13	28.28	34	2693		Engraved
3												
4												
5					(	THE	RINT					
6					2	READ IN	207	<b>_</b>				
7					- È	OF THY CREATES	ز <del>یک</del> ان کی خلق ر	-				
8								S,				
9					5	200	100	₹ <u></u>				
10					<		IORE.					
11												
12												
13												
14												
15												
16												
Witness	Witnessed by:											

#### Witnessed by:

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

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

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

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

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

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.



**Civil Engineering Department** 

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

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

> 7565 Dr. Umbreen

#### To: Mr. Muhammad Sajjad

Project Incharge, Tehsil Jatoi, District Muzaffargarh.

Project: Construction of House No.60, C Block Model Town, Lahore.

Our Ref. No. CL/CED/ 5517	Dated:	09-08-24	Test Specification
Your Ref. No. Nil	Dated:	Nil	(ASTM C39)

-

## **COMPRESSION TEST REPORT**



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

Specimens received on:		07-08-24		-24	Tested on:	09-08-24		in dry/wet condition			国を必然の	
Sr. No.	Mark*	Casting Date*		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	F.F Columns + Shear Wall	28	7	2024	6Diax12		14.4	28.28	64	5069		Non Engraved
2	F.F Columns + Shear Wall	28	7	2024	6Diax12		14	28.28	66	5228		Non Engraved
3	F.F Columns + Shear Wall	28	7	2024	6Diax12		14	28.28	64	5069		Non Engraved
4	F.F Columns + Shear Wall	29	7	2024	6Diax12		14	28.28	46	3644		Non Engraved
5	F.F Columns + Shear Wall	29	7	2024	6Diax12	STATI	RI/14	28.28	52	4119		Non Engraved
6	F.F Columns + Shear Wall	29	7	2024	6Diax12		14	28.28	48	3802		Non Engraved
7	F.F Lift + Shear Wall	30	7	2024	6Diax12	OF THY CORD WHO CREATES	13.2	28.28	54	4277		Non Engraved
8	F.F Lift + Shear Wall	30	7	2024	6Diax12		13.4	28.28	54	4277		Non Engraved
9	F.F Lift + Shear Wall	30	7	2024	6Diax12	20-	14	28.28	54	4277		Non Engraved
10					<		IORE.					
11												
12												
13												
14												
15												
16												
Witness	Witnessed by:											

#### witnessea by:

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

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

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

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

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



# Plain and Reinforced Concrete Laboratory Civil Engineering Department

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

7566 Dr. Umbreen

:	Mr. Mohammad	Aslam			
	Manager, Const	ruction S-2 Allied Bank Ltd. Engg. Cell, So	uth-II, Abdali Tower,Abo	dali Road, Multan	
		iction of New Building for ABL Sheikh Cot ng & Locker Room up to Plinth)	ton Colony Branch (1051	1) & Regional Office	Vehari.
	Our Ref. No. CL/	/CED/ 5518	Dated:	09-08-24	Test Specification
	Your Ref. No.	GHQ/S2/CRM/MA/2024/283	Dated:	07-08-24	(ASTM C39)

# **COMPRESSION TEST REPORT**



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

Mark*							in dry/wet condition			ONLINE REPORT	
WICH K		-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)			Water Absorpti on (%)	Remarks
	29	7	2024	6Diax12		13.4	28.28	44	3485		Non Engraved
	29	7	2024	6Diax12		13.4	28.28	34	2693		Non Engraved
	29	7	2024	6Diax12		13.6	28.28	40	3168		Non Engraved
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#### Witnessed by: Nil

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

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

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

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

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

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.