



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.

5920
 Dr. M. Yousaf

To: Engr. Haseeb Afzal
 Project Manager, HMB Developers Pvt. Ltd.

Project: Commercial Tower, Finance Trade Centre Lahore (B4 Shear Wall of Core Area C~D/2'~2)

Our Ref. No. CL/CED/ 2947

Dated: 18-09-23

Test Specification

Your Ref. No. HMBDPLS/S.O/09/23/67th (LHR)

Dated: 18-09-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: Tested on: in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	C-27 (6000 Psi)	21	8	2023	6Diax12	---	14	28.28	78	6178	---	Non Engraved
2	C-27 (6000 Psi)	21	8	2023	6Diax12	---	14	28.28	118	9347	---	Non Engraved
3	C-27 (6000 Psi)	21	8	2023	6Diax12	---	13.8	28.28	84	6653	---	Non Engraved
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Witnessed by: Mr. Haseeb Afzal, CNIC 34101-9582859-3

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

- * as engraved on the specimens (if any)
- ** 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

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL
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5897
 Dr. M.Yousaf

To: Engr. Zaheer ud din Babar
 Deputy General Manager Projects, Habib Rafiq Engineering (Pvt) Ltd.
 Project: Construction of Sky Gardens Tower, Lahore. (Basement-02, Retaining Wall, Pour # 08, Anchor 136~140)
 Our Ref. No. CL/CED/ 2948 Dated: 18-09-23
 Your Ref. No. HRLE/SKG/2023/0133 Dated: 13-09-23

Test Specification
 (ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13-09-23 Tested on: 18-09-23 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	#308 (6000 Psi)	16	8	2023	6Diax12	---	14.4	28.28	104	8238	---	Non Engraved
2	#308 (6000 Psi)	16	8	2023	6Diax12	---	14.6	28.28	128	10139	---	Non Engraved
3	#308 (6000 Psi)	16	8	2023	6Diax12	---	14	28.28	110	8713	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

- * as engraved on the specimens (if any)
- ** 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

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL
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5908
 Dr. M.Yousaf

To: Mr. Muhammad Javed
 Resident Engineer, Mascon Associates (Pvt) Ltd. In Association with HA Consulting.

Project: Medical Store Depot, Gurumangat Road, Lahore.

Our Ref. No. CL/CED/ 2949

Dated: 18-09-23

Test Specification

Your Ref. No. HA-MAS/RE/MSD/05

Dated: 18-07-23

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 14-09-23 Tested on: 18-09-23 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	MSD-2 Columns	8	4	2023	6x6x6	---	8.4	36	49	3049	---	Non Engraved
2	MSD-2 Columns	8	4	2023	6x6x6	---	8.4	36	65	4044	---	Non Engraved
3	MSD-2 Columns	8	4	2023	6x6x6	---	8.2	36	67	4169	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

- * as engraved on the specimens (if any)
- ** 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" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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5908
 Dr. M.Yousaf

To: Mr. Muhammad Javed
 Resident Engineer, Mascon Associates (Pvt) Ltd. In Association with HA Consulting.

Project: Medical Store Depot, Gurumangat Road, Lahore.

Our Ref. No. CL/CED/ 2950

Dated: 18-09-23

Test Specification

Your Ref. No. HA-MAS/RE/MSD/10

Dated: 19-07-23

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 14-09-23 **Tested on:** 18-09-23 **in dry/wet condition**



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Equip. Store, 1st F. to 2nd F. Cols.	31	5	2023	6x6x6	---	8.4	36	79	4916	---	Non Engraved
2	Equip. Store, 1st F. to 2nd F. Cols.	31	5	2023	6x6x6	---	8.4	36	86	5351	---	Non Engraved
3	Equip. Store, 1st F. to 2nd F. Cols.	31	5	2023	6x6x6	---	8.8	36	81	5040	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

- * as engraved on the specimens (if any)
- ** 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" dia x 12" cylinder) strength at 28 days as compressive strength

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

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5908
 Dr. M.Yousaf

To: Mr. Muhammad Javed
 Resident Engineer, Mascon Associates (Pvt) Ltd. In Association with HA Consulting.

Project: Medical Store Depot, Gurumangat Road, Lahore.

Our Ref. No. CL/CED/ 2951

Dated: 18-09-23

Test Specification

Your Ref. No. HA-MAS/RE/MSD/08

Dated: 18-07-23

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 14-09-23 **Tested on:** 18-09-23 **in dry/wet condition**



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	MSD-1 Column	23	5	2023	6x6x6	---	8.6	36	94	5849	---	Engraved
2	MSD-1 Column	23	5	2023	6x6x6	---	8.6	36	109	6782	---	Engraved
3	MSD-1 Column	23	5	2023	6x6x6	---	8.8	36	75	4667	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

- * as engraved on the specimens (if any)
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Director/Dy. Director Concrete Laboratory



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Civil Engineering Department

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5908
Dr. M.Yousaf

To: Mr. Muhammad Javed
Resident Engineer, Mascon Associates (Pvt) Ltd. In Association with HA Consulting.

Project: Medical Store Depot, Gurumangat Road, Lahore.

Our Ref. No. CL/CED/ 2952

Dated: 18-09-23

Test Specification

Your Ref. No. HA-MAS/RE/MSD/09

Dated: 18-07-23

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 14-09-23 Tested on: 18-09-23 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Equipment store First Floor Slab	27	5	2023	6x6x6	---	8	36	58	3609	---	Non Engraved
2	Equipment store First Floor Slab	27	5	2023	6x6x6	---	8.6	36	63	3920	---	Non Engraved
3	Equipment store First Floor Slab	27	5	2023	6x6x6	---	8.6	36	64	3982	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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5871
 Dr. M.Yousaf

To: Mr. M. Zain-UI-Abadeen
 Project Manager, Majeed Associates (Pvt.) Ltd. Karachi

Project: Construction of ABL Branch Expo Johar Town, Lahore. (Pak Mix)

Our Ref. No. CL/CED/ 2953

Dated: 18-09-23

Test Specification

Your Ref. No. Nil

Dated: 30-08-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 07-09-23 **Tested on:** 18-09-23 **in dry/wet condition**



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	3rd Floor Slab (3000 Psi)	30	8	2023	6Diax12	---	13.6	28.28	35	2772	---	Non Engraved
2	3rd Floor Slab (3000 Psi)	30	8	2023	6Diax12	---	13	28.28	35	2772	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Note: Above results pertain to the unsealed samples supplied to the laboratory

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

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

5881
 Dr. M.Yousaf

To: Engr. Shahzad Munir
 Resident Engineer, G3 Engineering Consultants (Pvt.) Ltd.

Project: Construction of Commercial Centre Under the Project Strengthening of University of Narowal.

Our Ref. No. CL/CED/ 2954

Dated: 18-09-23

Test Specification

Your Ref. No. G3/UON/NWL/T-03

Dated: 06-09-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 11-09-23 **Tested on:** 18-09-23 **in dry/wet condition**



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Footings	10	8	2023	6Diax12	---	15	28.28	58	4594	---	Non Engraved
2	Footings	10	8	2023	6Diax12	---	15.2	28.28	60	4752	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

- * as engraved on the specimens (if any)
- ** 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

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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.

5880
Dr. M.Yousaf

To: Mr. Muhammad Irfan
Material Engineer, Banu Mukhtar Contracting (Pvt.) Ltd.

Project: Burj-1 by AJWA Builders. (Main Building B/3 Zone # 02)

Our Ref. No. CL/CED/ 2955

Dated: 18-09-23

Test Specification

Your Ref. No. DOC-BMC/AJWA/103

Dated: 11-09-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 11-09-23 Tested on: 18-09-23 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Slab Grids # 5'-7/D'-J (4000 Psi)	7	8	2023	6Diax12	---	13.8	28.28	78	6178	---	Non Engraved
7	Slab Grids # 5'-7/D'-J (4000 Psi)	7	8	2023	6Diax12	---	14	28.28	98	7762	---	Non Engraved
3	Slab Grids # 5'-7/D'-J (4000 Psi)	7	8	2023	6Diax12	---	14	28.28	100	7921	---	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-reports/>

- * as engraved on the specimens (if any)
- ** 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

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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.

5880
Dr. M.Yousaf

To: Mr. Muhammad Irfan
Material Engineer, Banu Mukhtar Contracting (Pvt.) Ltd.

Project: Burj-1 by AJWA Builders. (Main Building B/4 Zone # 02)

Our Ref. No. CL/CED/ 2956

Dated: 18-09-23

Test Specification

Your Ref. No. DOC-BMC/AJWA/102

Dated: 11-09-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 11-09-23 Tested on: 18-09-23 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Liftwell wall Grid# H/5'-6' (6000 Psi)	2	8	2023	6Diax12	---	14.4	28.28	96	7604	---	Non Engraved
7	Liftwell wall Grid# H/5'-6' (6000 Psi)	2	8	2023	6Diax12	---	15	28.28	102	8079	---	Non Engraved
3	Liftwell wall Grid# H/5'-6' (6000 Psi)	2	8	2023	6Diax12	---	14.6	28.28	112	8871	---	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-reports/>

- * as engraved on the specimens (if any)
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Director/Dy. Director Concrete Laboratory



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Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
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5880
Dr. M.Yousaf

To: Mr. Muhammad Irfan
Material Engineer, Banu Mukhtar Contracting (Pvt.) Ltd.

Project: Burj-1 by AJWA Builders. (Main Building B/2 Zone # 02)

Our Ref. No. CL/CED/ 2957

Dated: 18-09-23

Test Specification

Your Ref. No. DOC-BMC/AJWA/104

Dated: 11-09-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 11-09-23 Tested on: 18-09-23 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Cols. #04 Grids # B-C/6(6000 Psi)	12	8	2023	6Diax12	---	14	28.28	111	8792	---	Non Engraved
7	Cols. #04 Grids # B-C/6(6000 Psi)	12	8	2023	6Diax12	---	14.2	28.28	118	9347	---	Non Engraved
3	Cols. #04 Grids # B-C/6(6000 Psi)	12	8	2023	6Diax12	---	14	28.28	118	9347	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

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