



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.

5397
 Dr. Umbreen

To: Resident Engineer
 On the Behalf of ACE-Arts

Project: Establishment of University of Applied Engineering and Emerging Technologies (UAEET) Sambrial Sialkot. (Category-L First Floor Slab, Column Portion)

Our Ref. No. CL/CED/ 2148

Dated: 14/06/2023

Test Specification

Your Ref. No. RE/UAEET/ACE/ME/2023/17

Dated: 14/06/2023

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: **14/06/2023** Tested on: **14/06/2023** 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	6000 Psi	9	5	2023	6Diax12	---	13.4	28.28	83	6574	---	Non Engraved
2	6000 Psi	9	5	2023	6Diax12	---	13.8	28.28	69	5465	---	Non Engraved
3	6000 Psi	9	5	2023	6Diax12	---	14	28.28	73	5782	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Mr. Umair, Material Engineer, ACE, CNIC # 35302-3789579-5

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
- **** AC1318-08 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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5362
 Dr. Mazhar

To: Proprietor
 Sheikh Waheed Filling Station

Project: Nil

Our Ref. No. CL/CED/ 2149

Your Ref. No. Nil

Dated: 14/06/2023

Dated: Nil

Test Specification

(---)

COMPRESSION TEST REPORT



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

Specimens received on: **09/06/2023** Tested on: **14/06/2023** 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	Rectangular Grey 60mm	---	---	---	7.9 x 3.9 x 2.3	---	2725	30.81	49	3562	---	---
2	Rectangular Grey 60mm	---	---	---	7.9 x 3.9 x 2.3	---	2640	30.81	71	5162	---	---
3	Rectangular Grey 60mm	---	---	---	7.9 x 3.9 x 2.3	---	2535	30.81	45	3272	---	---
4	Rectangular Grey 60mm	---	---	---	7.9 x 3.9 x 2.3	---	2705	30.81	57	4144	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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"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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ORIGINAL
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5359
 Dr. Mazhar

To: Mr. Imran Sattar, Divisional Forest Officer
 Kasur Forest Division at Changa Manga.

Project: Construction of Boundary Wall at Changa Manga Irrigated Plantation.

Our Ref. No. CL/CED/ 2150-1 of 3

Dated: 14/06/2023

Test Specification

Your Ref. No. 1042-44/AC

Dated: 12/05/2023

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 8/6/2023 **Tested on:** 14/06/2023 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	(1:2:4)	15	5	2023	6x6x6	---	7.6	36	39	2427	---	Non Engraved
2	(1:2:4)	15	5	2023	6x6x6	---	7.6	36	79	4916	---	Non Engraved
3	(1:2:4)	15	5	2023	6x6x6	---	7.2	36	39	2427	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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Our Ref. No. CL/CED/ 2150- 2 of 3

Dated: 14/06/2023

Test Specification

Your Ref. No. 1042-44/AC

Dated: 12/05/2023

(---)

COMPRESSION TEST REPORT



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

Specimens received on: 8/6/2023 **Tested on:** 14/06/2023 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	(1:6)	15	5	2023	1.9x1.9x1.9	---	210	3.61	3	1861	---	Non Engraved
2	(1:6)	15	5	2023	1.9x1.9x1.9	---	235	3.61	7	4343	---	Non Engraved
3	(1:6)	15	5	2023	1.9x1.9x1.9	---	210	3.61	3	1861	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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5353
 Dr. Mazhar

To: Mr. Sun Qingfang, Marketing Manager
 Henan D.R. Construction Co. Ltd. (Pakistan Branch)

Project: Nil

Our Ref. No. CL/CED/ 2151-1 of 3

Dated: 14/06/2023

Test Specification

Your Ref. No. Nil

Dated: 08/06/2023

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 8/6/2023 **Tested on:** 14/06/2023 **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	C20(3000 Psi)	10	5	2023	6x6x6	---	7.8	36	73	4542	---	Non Engraved
2	C20(3000 Psi)	10	5	2023	6x6x6	---	7.8	36	67	4169	---	Non Engraved
3	C20(3000 Psi)	10	5	2023	6x6x6	---	7.8	36	31	1929	---	Non Engraved
4	C20(3000 Psi)	10	5	2023	6x6x6	---	7.8	36	65	4044	---	Non Engraved
5	C20(3000 Psi)	10	5	2023	6x6x6	---	7.8	36	67	4169	---	Non Engraved
6	C20(3000 Psi)	10	5	2023	6x6x6	---	7.8	36	33	2053	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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 Dr. Mazhar

To: Mr. Sun Qingfang, Marketing Manager
 Henan D.R. Construction Co. Ltd. (Pakistan Branch)

Project: Nil

Our Ref. No. CL/CED/ 2151-2 of 3

Dated: 14/06/2023

Test Specification

Your Ref. No. Nil

Dated: 08/06/2023

(---)

COMPRESSION TEST REPORT



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

Specimens received on: 8/6/2023 **Tested on:** 14/06/2023 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	Mortar Cube	10	5	2023	2.8x2.8x2.8	---	745	7.84	12	3429	---	Non Engraved
2	Mortar Cube	10	5	2023	2.8x2.8x2.8	---	740	7.84	16.5	4714	---	Non Engraved
3	Mortar Cube	10	5	2023	2.8x2.8x2.8	---	735	7.84	14	4000	---	Non Engraved
4	Mortar Cube	10	5	2023	2.8x2.8x2.8	---	735	7.84	14	4000	---	Non Engraved
5	Mortar Cube	10	5	2023	2.8x2.8x2.8	---	695	7.84	11	3143	---	Non Engraved
6	Mortar Cube	10	5	2023	2.8x2.8x2.8	---	700	7.84	11	3143	---	Non Engraved
7	Mortar Cube	10	5	2023	2.8x2.8x2.8	---	735	7.84	15	4286	---	Non Engraved
8	Mortar Cube	10	5	2023	2.8x2.8x2.8	---	740	7.84	9.5	2714	---	Non Engraved
9	Mortar Cube	10	5	2023	2.8x2.8x2.8	---	730	7.84	14.5	4143	---	Non Engraved
10	---	---	---	---	---	---	---	---	---	---	---	---
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 Dr.Mazhar

To: **Mr. Sun Qingfang, Marketing Manager**
 Henan D.R. Construction Co. Ltd. (Pakistan Branch)

Project: Nil

Our Ref. No. CL/CED/ 2151- 3 of 3

Dated: 14/06/2023

Test Specification

Your Ref. No. Nil

Dated: 08/06/2023

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: **08/06/2023** Tested on: **14/06/2023** 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	Machine Made	---	---	---	8.7 x 4.3 x 2.7	---	2730	37.41	30	1796	---	---
2	Machine Made	---	---	---	8.7 x 4.2 x 2.7	---	2645	36.54	29	1778	---	---
3	Machine Made	---	---	---	8.6 x 4.3 x 2.7	---	2610	36.98	27	1635	---	---
4	Machine Made	---	---	---	8.7 x 4.3 x 2.7	---	2705	37.41	25	1497	---	---
5	Machine Made	---	---	---	8.7 x 4.2 x 2.7	---	2700	36.54	39	2391	---	---
6	Machine Made	---	---	---	8.7 x 4.3 x 2.8	---	2660	37.41	37	2215	---	---
7	Machine Made	---	---	---	8.7 x 4.3 x 2.7	---	2740	37.41	37	2215	---	---
8	Machine Made	---	---	---	8.6 x 4.3 x 2.7	---	2680	36.98	29	1757	---	---
9	Machine Made	---	---	---	8.8 x 4.3 x 2.7	---	2755	37.84	29	1717	---	---
10	Machine Made	---	---	---	8.7 x 4.2 x 2.7	---	2680	36.54	27	1655	---	---
11	Machine Made	---	---	---	8.7 x 4.3 x 2.8	---	2685	37.41	25	1497	---	---
12	Machine Made	---	---	---	8.8 x 4.3 x 2.7	---	2730	37.84	29	1717	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
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