



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.

4505
 Dr. Umbreen

To: Mr. Zaman Ahmad Zaki
 Manager Operations, STRENGTH & STYLE

Project: Nil

Our Ref. No. CL/CED/ 827-2 of 2

Dated: 09-01-23

Test Specification

Your Ref. No. S&S/UET-291222-01

Dated: 29-12-22

(----)

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	W.G	---	---	---	9x4.4x3.1	---	3940	39.6	25	1414	---	Concrete Brick
2	W.G	---	---	---	9x4.4x3.0	---	3650	39.6	19	1075	---	Concrete Brick
3	W.G	---	---	---	9x4.4x3.1	---	3820	39.6	25	1414	---	Concrete Brick
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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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ORIGINAL
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4528
 Dr. Umbreen

To: Mr. Muhammad Waris Jan
 Asst Manager (QA/QC), Engineering Kinetics (Pvt.) Ltd.

Project: Construction of CFB De Sulphurization System at line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 863

Dated: 09-01-23

Test Specification

Your Ref. No. Nil

Dated: 19-12-22

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 06-01-23 **Tested on:** 09-01-23 **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	F01 Raft(4000 Psi)	3	12	2022	6x6x6	---	8.8	36	81	5040	---	Non Engraved
2	F01 Raft(4000 Psi)	3	12	2022	6x6x6	---	8.6	36	98	6098	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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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" 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)
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL
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4528
 Dr. Umbreen

To: Mr. Muhammad Waris Jan
 Asst Manager (QA/QC), Engineering Kinetics (Pvt.) Ltd.

Project: Construction of CFB De Sulphurization System at line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 864

Dated: 09-01-23

Test Specification

Your Ref. No. Nil

Dated: 19-12-22

(BS 1881-116)

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	F01 Column (4000 Psi)	6	12	2022	6x6x6	---	8.6	36	59	3671	---	Non Engraved
2	F01 Column (4000 Psi)	6	12	2022	6x6x6	---	8.4	36	71	4418	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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
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Director/Dy. Director Concrete Laboratory



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 Dr. Umbreen

To: Mr. Muhammad Waris Jan
 Asst Manager (QA/QC), Engineering Kinetics (Pvt.) Ltd.

Project: Construction of CFB De Sulphurization System at line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 865

Dated: 09-01-23

Test Specification

Your Ref. No. Nil

Dated: 19-12-22

(BS 1881-116)

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	Bucket 2nd wall (4000 Psi)	10	12	2022	6x6x6	---	8.4	36	73	4542	---	Non Engraved
2	Bucket 2nd wall (4000 Psi)	10	12	2022	6x6x6	---	8.2	36	71	4418	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

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 Dr. Umbreen

To: Mr. Muhammad Waris Jan
 Asst Manager (QA/QC), Engineering Kinetics (Pvt.) Ltd.

Project: Construction of CFB De Sulphurization System at line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 866

Dated: 09-01-23

Test Specification

Your Ref. No. Nil

Dated: 19-12-22

(BS 1881-116)

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	Ramp Slab 2 (4000 Psi)	26	11	2022	6x6x6	---	8.6	36	79	4916	---	Non Engraved
2	Ramp Slab 2 (4000 Psi)	26	11	2022	6x6x6	---	8.6	36	94	5849	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

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Director/Dy. Director Concrete Laboratory



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 Dr. Umbreen

To: Mr. Muhammad Waris Jan
 Asst Manager (QA/QC), Engineering Kinetics (Pvt.) Ltd.

Project: Construction of CFB De Sulphurization System at line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 867

Dated: 09-01-23

Test Specification

Your Ref. No. Nil

Dated: 19-12-22

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 6/1/2023 **Tested on:** 09-01-23 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	Hopper wall 3rd LAYER (4000 Psi)	28	11	2022	6x6x6	---	8.6	36	79	4916	---	Non Engraved
2	Hopper wall 3rd LAYER (4000 Psi)	28	11	2022	6x6x6	---	8.6	36	94	5849	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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ORIGINAL
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4526
 Dr. Umbreen

To: Mr. Abdul Waheed, Project Manager
 A-BM Construction LLP. (Coca Cola Beverages Pakistan Ltd.)

Project: Construction of New Pet Line Coca Cola Green Field Project Lahore

Our Ref. No. CL/CED/ 868

Dated: 09-01-23

Test Specification

Your Ref. No. ABMC-8/2023

Dated: 05-01-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 6/1/2023 **Tested on:** 09-01-23 **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	C30	26	12	2022	6Diax12	---	13	28.28	45	3564	---	Non Engraved
2	C30	26	12	2022	6Diax12	---	13	28.28	41	3248	---	Non Engraved
3	C30	26	12	2022	6Diax12	---	13	28.28	45	3564	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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Director/Dy. Director Concrete Laboratory



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4526
 Dr. Umbreen

To: Mr. Abdul Waheed, Project Manager
 A-BM Construction LLP. (Coca Cola Beverages Pakistan Ltd.)

Project: Construction of New Pet Line Coca Cola Green Field Project Lahore

Our Ref. No. CL/CED/ 869

Dated: 09-01-23

Test Specification

Your Ref. No. ABMC-7/2023

Dated: 05-01-23

(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	C30	28	12	2022	6Diax12	---	13	28.28	37	2931	---	Non Engraved
2	C30	28	12	2022	6Diax12	---	13	28.28	35	2772	---	Non Engraved
3	C30	28	12	2022	6Diax12	---	13.2	28.28	39	3089	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

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- 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.

4530
 Dr. Umbreen

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

Project: Construction of Burj-1 by Ajwa Builders

Our Ref. No. CL/CED/ 870

Dated: 09-01-23

Test Specification

Your Ref. No. DOC-BMC/AJWA/041

Dated: 06-01-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 6/1/2023 **Tested on:** 09-01-23 **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	M/B B-2 Col. 04(6000 Psi)	4	12	2022	6Diax12	---	13.8	28.28	69	5465	---	Non Engraved
2	M/B B-2 Col. 04(6000 Psi)	4	12	2022	6Diax12	---	13.6	28.28	67	5307	---	Non Engraved
3	M/B B-2 Col. 04(6000 Psi)	4	12	2022	6Diax12	---	13.8	28.28	69	5465	---	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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- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

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