



**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.

3028  
 Dr. Umbreen

**To:** Abdullah Mohammad Khadim  
 Resident Engineer-PAFDA, DAR International Engineering Consultancy.

**Project:** Punjab Agriculture Food and Drug Authority's Science Enclave, Lahore, Pakistan. (Manufacturer: Smart Concrete).

**Our Ref. No.** CL/CED/ 8492

**Dated:** 07-04-22

**Test Specification**

**Your Ref. No.** DB-78-DAR-RE-ME-2022-05

**Dated:** 28-03-22

( ---- )

**COMPRESSION TEST REPORT**



ONLINE REPORT

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

Specimens received on: **29-03-22** Tested on: **06-04-22** 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	Kerb Stone	---	---	---	6 x 6 x 6	---	7	36	49	3049	---	Cut Cube
2	Kerb Stone	---	---	---	6 x 6 x 6	---	7.6	36	94	5849	---	Cut Cube
3	Kerb Stone	---	---	---	6 x 6 x 6	---	7.2	36	61	3796	---	Cut Cube
4	Kerb Stone	---	---	---	6 x 6 x 6	---	7.2	36	53	3298	---	Cut Cube
5	Kerb Stone	---	---	---	6 x 6 x 6	---	7.4	36	83	5164	---	Cut Cube
6	Kerb Stone	---	---	---	6 x 6 x 6	---	7.4	36	59	3671	---	Cut Cube
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Mr. Umair, M.E, Unibuild, 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
- \*\*\*\* 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.

3008  
 Dr. Aqsa

To: Rizwan Ali, Executive  
 M/S Art Engineering Solutions.

Project: Sewerage Manhole and House Chambers Work Executed in Chinar Bagh Phase-II. (Nishat Ext.) 16-Km Raiwind Road, Lahore.

Our Ref. No. CL/CED/ 8493

Dated: 07-04-22

Test Specification

Your Ref. No. ARTES/NE/SEW-MH/HC/BT-25322

Dated: 25-03-22

( --- )

## COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: 25-03-22 Tested on: 07-04-22 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	RH	---	---	---	8.9 x 4.2 x 3	3730	3280	37.38	69	4135	13.72	---
2	RH	---	---	---	8.9 x 4.2 x 3	3845	3425	37.38	57	3416	12.26	---
3	RH	---	---	---	9 x 4.2 x 3	3740	3285	37.8	56	3319	13.85	---
4	RH	---	---	---	9 x 4.3 x 3	3800	3350	38.7	62	3589	13.43	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
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

- 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.

3028  
 Dr. Umbreen

**To:** Abdullah Mohammad Khadim  
 Resident Engineer-PAFDA, DAR International Engineering Consultancy.

**Project:** Punjab Agriculture Food and Drug Authority's Science Enclave, Lahore, Pakistan. (Manufacturer: Smart Concrete).

**Our Ref. No.** CL/CED/ 8494-1 of 2

**Dated:** 07-04-22

**Test Specification**

**Your Ref. No.** DB-78-DAR-RE-ME-2022-06

**Dated:** 28-03-22

( BS 6717 )

## COMPRESSION TEST REPORT



ONLINE REPORT

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

**Specimens received on:** 29-03-22 **Tested on:** 06-04-22 **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, 50mm	---	---	---	7.9x3.9x2.0	---	2235	30.81	67	4871	---	---
2	Rectangular, Grey, 50mm	---	---	---	7.9x3.9x2.0	---	2215	30.81	104	7561	---	---
3	Rectangular, Grey, 50mm	---	---	---	7.9x3.9x2.0	---	2395	30.81	94	6834	---	---
4	Rectangular, Grey, 50mm	---	---	---	7.9x3.9x2.0	---	2330	30.81	71	5162	---	---
5	Rectangular, Grey, 50mm	---	---	---	7.9x3.9x2.0	---	2260	30.81	55	3999	---	---
6	Rectangular, Grey, 50mm	---	---	---	7.9x3.9x2.0	---	2505	30.81	108	7852	---	---
7	Rectangular, Grey, 50mm	---	---	---	7.9x3.9x2.0	---	2260	30.81	49	3562	---	---
8	Rectangular, Grey, 50mm	---	---	---	7.9x3.9x2.0	---	2340	30.81	65	4726	---	---
9	Rectangular, Grey, 50mm	---	---	---	7.9x3.9x2.0	---	2220	30.81	83	6034	---	---
10	Rectangular, Grey, 50mm	---	---	---	7.9x3.9x2.0	---	2180	30.81	63	4580	---	---
11	Rectangular, Red, 50mm	---	---	---	7.9x3.9x2.0	---	2310	30.81	71	5162	---	---
12	Rectangular, Red, 50mm	---	---	---	7.9x3.9x2.0	---	2375	30.81	75	5453	---	---
13	Rectangular, Red, 50mm	---	---	---	7.9x3.9x2.0	---	2400	30.81	116	8434	---	---
14	Rectangular, Red, 50mm	---	---	---	7.9x3.9x2.0	---	2255	30.81	59	4290	---	---
15	Rectangular, Red, 50mm	---	---	---	7.9x3.9x2.0	---	2410	30.81	110	7997	---	---
16	Rectangular, Red, 50mm	---	---	---	7.9x3.9x2.0	---	2200	30.81	65	4726	---	---

**Witnessed by:** Mr. Umair, M.E, Unibuild, 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
- \*\*\*\* 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.

3028  
 Dr. Umbreen

**To:** Abdullah Mohammad Khadim  
 Resident Engineer-PAFDA, DAR International Engineering Consultancy.

**Project:** Punjab Agriculture Food and Drug Authority's Science Enclave, Lahore, Pakistan. (Manufacturer: Smart Concrete).

**Our Ref. No.** CL/CED/ 8494-2 of 2

**Dated:** 07-04-22

**Test Specification**

**Your Ref. No.** DB-78-DAR-RE-ME-2022-06

**Dated:** 28-03-22

(BS 6717)

## COMPRESSION TEST REPORT



ONLINE REPORT

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

**Specimens received on:** 29-03-22 **Tested on:** 06-04-22 **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, 80mm	---	---	---	7.9x3.9x3.1	---	3795	30.81	90	6543	---	7721	
2	Rectangular, Grey, 80mm	---	---	---	7.9x3.9x3.1	---	3835	30.81	94	6834	---	8064	
3	Rectangular, Grey, 80mm	---	---	---	7.9x3.9x3.1	---	3740	30.81	65	4726	---	5577	
4	Rectangular, Grey, 80mm	---	---	---	7.9x3.9x3.1	---	3600	30.81	55	3999	---	4719	
5	Rectangular, Grey, 80mm	---	---	---	7.9x3.9x3.1	---	3680	30.81	69	5017	---	5920	
6	Rectangular, Grey, 80mm	---	---	---	7.9x3.9x3.1	---	3840	30.81	83	6034	---	7120	
7	Rectangular, Grey, 50mm	---	---	---	7.9x3.9x3.1	---	3420	30.81	37	2690	---	3174	
8	Rectangular, Grey, 80mm	---	---	---	7.9x3.9x3.1	---	4015	30.81	81	5889	---	6949	
9	Rectangular, Red, 80mm	---	---	---	7.9x3.9x3.1	---	3720	30.81	81	5889	---	6949	
10	Rectangular, Red, 80mm	---	---	---	7.9x3.9x3.1	---	3670	30.81	57	4144	---	4890	
11	Rectangular, Red, 80mm	---	---	---	7.9x3.9x3.1	---	3600	30.81	57	4144	---	4890	
12	Rectangular, Red, 80mm	---	---	---	7.9x3.9x3.1	---	3680	30.81	69	5017	---	5920	
13	Rectangular, Red, 80mm	---	---	---	7.9x3.9x3.1	---	3815	30.81	73	5307	---	6262	
14	Rectangular, Red, 80mm	---	---	---	7.9x3.9x3.1	---	3870	30.81	90	6543	---	7721	
15	Rectangular, Red, 80mm	---	---	---	7.9x3.9x3.1	---	4070	30.81	92	6689	---	7893	
16	Rectangular, Red, 80mm	---	---	---	7.9x3.9x3.1	---	3850	30.81	73	5307	---	6262	

**Witnessed by:** Mr. Umair, M.E, Unibuild, 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
- \*\*\*\* 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.

3068  
 Engr. Ubaid

**To:** (Engr. Khalid Qadeer Mian), Chief Executive  
 M/s Eastern Construction Co. Model Town Extension, Lahore.

**Project:** Construction of 60 CUM/HR Capacity WWTP for Fauji Fresh n Freeze Limited Project at Sahiwal.

**Our Ref. No.** CL/CED/ 8495

**Dated:** 07-04-22

**Test Specification**

**Your Ref. No.** ECC/UET/FFFL-SWL/2022/58

**Dated:** 04-04-22

( ASTM C39 )

**COMPRESSION TEST REPORT**



ONLINE REPORT

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

**Specimens received on:** 04-04-22 **Tested on:** 07-04-22 **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	Beams & Walls of Aeration Tank	6	3	2022	6Diax12	---	13.2	28.28	89	7050	---	Non Engraved
2	Beams & Walls of Aeration Tank	6	3	2022	6Diax12	---	13.4	28.28	72	5703	---	Non Engraved
3	Beams & Walls of Aeration Tank	6	3	2022	6Diax12	---	13.6	28.28	76	6020	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
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

- 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.

3068  
 Engr. Ubaid

**To:** (Engr. Khalid Qadeer Mian), Chief Executive  
 M/s Eastern Construction Co. Model Town Extension, Lahore.

**Project:** Construction of 60 CUM/HR Capacity WWTP for Fauji Fresh n Freeze Limited Project at Sahiwal.

**Our Ref. No.** CL/CED/ 8496

**Dated:** 07-04-22

**Test Specification**

**Your Ref. No.** ECC/UET/FFFL-SWL/2022/59

**Dated:** 04-04-22

( ASTM C39 )

## COMPRESSION TEST REPORT



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

Specimens received on: **04-04-22** Tested on: **07-04-22** 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	Walls of Primary Clarifier	25	3	2022	6Diax12	---	14	28.28	77	6099	---	Non Engraved
2	Walls of Primary Clarifier	25	3	2022	6Diax12	---	14	28.28	104	8238	---	Non Engraved
3	Walls of Primary Clarifier	25	3	2022	6Diax12	---	13.8	28.28	100	7921	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
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

- 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