



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.

2004
Dr.M.Yousaf

To: Engr. Adnan Raza (Asst. Manager Engg)
PDS-CEA

Project: Construction of Remaining Boundary Wall at Daanish School (Boys & Girls) Chistian District Bahawalnagar .(Plinth Beam)

Our Ref. No. CL/CED/ 5083

Dated: 05-10-21

Test Specification

Your Ref. No. AM(ENGG)CTN/07/21/238

Dated: 30-07-21

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: **30-09-21** Tested on: **01-10-21** 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	Plint Beam (1:2:4)	1	7	2021	6Diax12	---	14	28.28	67	5307	---	Non Engraved
2	Plint Beam (1:2:4)	1	7	2021	6Diax12	---	14	28.28	55	4356	---	Non Engraved
3	Plint Beam (1:2:4)	1	7	2021	6Diax12	---	14	28.28	60	4752	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

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"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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Our Ref. No. CL/CED/ 5084

Dated: 05-10-21

Test Specification

Your Ref. No. AM(ENGG)CTN/07/21/238

Dated: 30-07-21

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 30-09-21 Tested on: 01-10-21 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								
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2	Plint Beam (1:2:4)	1	7	2021	6Diax12	---	14	28.28	55	4356	---	Non Engraved
3	Plint Beam (1:2:4)	1	7	2021	6Diax12	---	14	28.28	60	4752	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

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- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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ORIGINAL

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1953

Dr.M.Yousaf

To: Mr.Umir Maqsood (Sub Divisional Officer)
Building Sub Division Assembly, Lahore.

Project: Construction of MPA Hostel Phase-II Lahore (Group No.01)

Our Ref. No. CL/CED/ 5085

Dated: 05-10-21

Test Specification

Your Ref. No. No.708

Dated: 21-09-21

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 23-09-21 Tested on: 05-10-21 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	HB	---	---	---	8.8x4.3x2.9	3507	3165	37.84	30	1776	10.81	---
2	HB	---	---	---	8.8x4.3x3.0	3498	3160	37.84	48	2841	10.7	---
3	HB	---	---	---	8.9x4.3x3.0	3565	3225	38.27	33	1932	10.54	---
4	HB	---	---	---	8.8x4.3x2.9	3511	3190	37.84	33	1953	10.06	---
5	Sword	---	---	---	8.9x4.4x3.0	3614	3275	39.16	35	2002	10.35	---
6	Sword	---	---	---	8.8x4.3x2.9	3720	3380	37.84	43	2545	10.06	---
7	Sword	---	---	---	8.8x4.3x3.0	3645	3315	37.84	50	2960	9.95	---
8	Sword	---	---	---	8.8x4.4x3.1	3728	3390	38.72	50	2893	9.97	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
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2008

Dr.Aqsa Shabbir

To: Mr.M.Luqman (Manager Projects FMH)
M/s Fatima Memorial Hospital Shadman, Lahore.

Project: Construction of New Building at Fatima Memorial Hospital Lahore

Our Ref. No. CL/CED/ 5087

Dated: 05-10-21

Test Specification

Your Ref. No. FMH/RAF/Con/17

Dated: 01-10-21

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 01-10-21 Tested on: 05-10-21 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	(5000)Psi	2	9	2021	6Diax12	---	14.4	28.28	98	7762	---	Non-Engraved
2	(5000)Psi	2	9	2021	6Diax12	---	14.2	28.28	92	7287	---	Non-Engraved
3	(5000)Psi	2	9	2021	6Diax12	---	14	28.28	49	3881	---	Non-Engraved
4	(5000)Psi	31	8	2021	6Diax12	---	13.8	28.28	94	7446	---	Non-Engraved
5	(5000)Psi	31	8	2021	6Diax12	---	13.8	28.28	55	4356	---	Non-Engraved
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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1985
Dr. Aqsa Shabbir

To: Mr. Osama Asif (Director)
M/s ICON Construction Services, Lahore.

Project: Construction of Din House, M-1 Irfan Munir House Lake City

Our Ref. No. CL/CED/ 5088

Dated: 06-10-21

Test Specification

Your Ref. No. Nil

Dated: 28-09-21

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 28-09-21 Tested on: 05-10-21 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	Solid Block (1000) psi	---	---	---	11.9x5.8x8.0	---	18.4	69.02	16	519	---	---
2	Solid Block (1000) psi	---	---	---	11.9x5.8x8.0	---	19	69.02	18	584	---	---
3	Solid Block (1000) psi	---	---	---	11.9x5.8x8.0	---	18	69.02	14	454	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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1985

Dr. Aqsa Shabbir

To: Mr. Osama Asif (Director)
M/s ICON Construction Services, Lahore.

Project: Construction of Din House, M-1 Irfan Munir House Lake City

Our Ref. No. CL/CED/ 5089

Dated: 06-10-21

Test Specification

Your Ref. No. Nil

Dated: 28-09-21

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 28-09-21 Tested on: 05-10-21 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	Solid Block (1000) psi	---	---	---	11.8x5.8x8.0	---	19	68.44	24	786	---	---
2	Solid Block (1000) psi	---	---	---	11.8x5.8x8.0	---	18.4	68.44	15.5	507	---	---
3	Solid Block (1000) psi	---	---	---	11.8x5.8x8.0	---	19	68.44	21.5	704	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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Director/Dy. Director Concrete Laboratory



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1869

Dr.M.Yousaf

To: Sub Divisional Officer (Building Sub Division)
Building Sub Division No.22 Lahore.

Project: Construction of Tehsil Complex at Shalimar Lahore.

Our Ref. No. CL/CED/ 5090

Dated: 06-10-21

Test Specification

Your Ref. No. 225-26/22nd

Dated: 02-09-21

(----)

COMPRESSION TEST REPORT



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

Specimens received on: **09-09-21** Tested on: **05-10-21** 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	A-10	---	---	---	8.8x4.3x3.0	---	3490	37.84	60	3552	---	---
2	A-10	---	---	---	8.7x4.3x2.9	---	3378	37.41	48	2874	---	---
3	A-10	---	---	---	8.8x4.3x2.9	---	3498	37.84	50	2960	---	---
4	A-10	---	---	---	8.8x4.2x2.8	---	3385	36.96	50	3030	---	---
5	A-10	---	---	---	8.7x4.2x2.9	---	3368	36.54	50	3065	---	---
6	A-10	---	---	---	8.7x4.2x3.0	---	3418	36.54	58	3556	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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Dr.M.Yousaf

To: Sub Divisional Officer (Building Sub Division)
Building Sub Division No.22 Lahore.

Project: Construction of Tehsil Complex at Shalimar Lahore.

Our Ref. No. CL/CED/ 5091

Dated: 06-10-21

Test Specification

Your Ref. No. 228-29/22nd

Dated: 02-09-21

(----)

COMPRESSION TEST REPORT



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Specimens received on: **09-09-21** Tested on: **05-10-21** 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	K-9	---	---	---	8.8x4.3x3.0	---	3425	37.84	45	2664	---	---
2	K-9	---	---	---	8.8x4.3x2.9	---	3265	37.84	43	2545	---	---
3	K-9	---	---	---	8.7x4.2x2.9	---	3380	36.54	43	2636	---	---
4	K-9	---	---	---	8.8x4.3x2.9	---	3480	37.84	45	2664	---	---
5	K-9	---	---	---	8.7x4.3x3.0	---	3545	37.41	48	2874	---	---
6	K-9	---	---	---	8.7x4.3x2.9	---	3495	37.41	43	2575	---	---
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-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