



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.

7404
 Dr. Umbreen

To: Mr. M. Usman Rauf
 Resident Engineer, Highways and Transportation Engineering Division. NESPAK (Pvt.) Ltd.

Project: Rehabilitation of Ali Park Road Near Fruit Mandi Ravi Zone Lahore. (MCL PROJECTS)

Our Ref. No. CL/CED/ 5254

Dated: 09-07-24

Test Specification

Your Ref. No. 4084/103/MUR/104/1872

Dated: 03-07-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 08-07-24 Tested on: 09-07-24 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	---	6	6	2024	6x6x6	---	8.6	36	80	4978	---	Non Engraved
2	---	6	6	2024	6x6x6	---	9.2	36	83	5164	---	Non Engraved
3	---	6	6	2024	6x6x6	---	8.6	36	84	5227	---	Non Engraved
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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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ORIGINAL
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7405
 Dr. Umbreen

To: Mr. Muazzam Shoukat
 Muhammad Younis Construction Company

Project: Construction of House # 184D, DHA Phase 8-Ex Park View.

Our Ref. No. CL/CED/ 5255

Dated: 09-07-24

Test Specification

Your Ref. No. Nil

Dated: 08-07-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 08-07-24 Tested on: 09-07-24 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	1st Floor Slab (4000 Psi)	10	6	2024	6x6x6	---	9	36	76	4729	---	Engraved
2	1st Floor Slab (4000 Psi)	10	6	2024	6x6x6	---	9	36	95	5911	---	Engraved
3	1st Floor Slab (4000 Psi)	10	6	2024	6x6x6	---	9.2	36	115	7156	---	Engraved
4	1st Floor Slab (4000 Psi)	10	6	2024	6x6x6	---	9	36	102	6347	---	Engraved
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
- *** 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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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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7409
 Dr. Umbreen

To: Mr. Shaukat Mahmood
 Chief QS, Master Consulting Engineers (Pvt.) Ltd.

Project: Revamping of Services Hospital Lahore Group No.1 (Medical Block)

Our Ref. No. CL/CED/ 5256

Dated: 09-07-24

Test Specification

Your Ref. No. Revamping/Services/Camp/65

Dated: 05-07-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 08-07-24 Tested on: 09-07-24 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	Plant Room Slab (1:2:4)	29	6	2024	6x6x6	---	9	36	56	3484	---	Non Engraved
2	Plant Room Slab (1:2:4)	29	6	2024	6x6x6	---	9	36	52	3236	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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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

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7365
 Dr. Umbreen

To: Mr. M. Faisal Bhatti
 Construction Manager, Ittefaq Building Solutions (Pvt.) Ltd.
 Project: Construction of Mr. Chughtai House Residence at Plot # 74 Muneer Road Cantt. Lahore. (Ali Pool+OHWT Ali House)
 Our Ref. No. CL/CED/ 5257 Dated: 09-07-24
 Your Ref. No. Nil Dated: 01-07-24

Test Specification
 (ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: **01-07-24** Tested on: **09-07-24** 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	(4000 Psi)	28	5	2024	6Diax12	---	14	28.28	46	3644	---	Non Engraved
2	(4000 Psi)	28	5	2024	6Diax12	---	14	28.28	54	4277	---	Non Engraved
3	(4000 Psi)	28	5	2024	6Diax12	---	14	28.28	40	3168	---	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
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 Dr. Umbreen

To: Mr. M. Faisal Bhatti
 Construction Manager, Ittefaq Building Solutions (Pvt.) Ltd.
 Project: Construction of Mr. Chughtai House Residence at Plot # 74 Muneer Road Cantt. Lahore. (Omar House, F/F Slab(ii))
 Our Ref. No. CL/CED/ 5258 Dated: 09-07-24 Test Specification
 Your Ref. No. Nil Dated: 01-07-24 (ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 01-07-24 Tested on: 09-07-24 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	(4000 Psi)	14	5	2024	6Diax12	---	13.8	28.28	40	3168	---	Non Engraved
2	(4000 Psi)	14	5	2024	6Diax12	---	13.2	28.28	40	3168	---	Non Engraved
3	(4000 Psi)	14	5	2024	6Diax12	---	13.6	28.28	44	3485	---	Non Engraved
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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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 Dr. Umbreen

To: Mr. M. Faisal Bhatti
 Construction Manager, Ittefaq Building Solutions (Pvt.) Ltd.
 Project: Construction of Mr. Chughtai House Residence at Plot # 74 Muneer Road Cantt. Lahore.(Omar House, OHWT Wall)
 Our Ref. No. CL/CED/ 5259 Dated: 09-07-24
 Your Ref. No. Nil Dated: 01-07-24

Test Specification
 (ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 01-07-24 Tested on: 09-07-24 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	(4000 Psi)	1	6	2024	6Diax12	---	14	28.28	48	3802	---	Non Engraved
2	(4000 Psi)	1	6	2024	6Diax12	---	14	28.28	54	4277	---	Non Engraved
3	(4000 Psi)	1	6	2024	6Diax12	---	14	28.28	46	3644	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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To: Mr. M. Faisal Bhatti
 Construction Manager, Ittefaq Building Solutions (Pvt.) Ltd.
 Project: Construction of Mr. Chughtai House Residence at Plot # 74 Muneer Road Cantt. Lahore. (Ali House, Ali Pool Projection)
 Our Ref. No. CL/CED/ 5260 Dated: 09-07-24 Test Specification
 Your Ref. No. Nil Dated: 01-07-24 (ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 01-07-24 Tested on: 09-07-24 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	(4000 Psi)	5	6	2024	6Diax12	---	13.6	28.28	36	2851	---	Non Engraved
2	(4000 Psi)	5	6	2024	6Diax12	---	14	28.28	54	4277	---	Non Engraved
3	(4000 Psi)	5	6	2024	6Diax12	---	13.4	28.28	50	3960	---	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/>

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 Dr. Umbreen

To: Mr. M. Faisal Bhatti
 Construction Manager, Ittefaq Building Solutions (Pvt.) Ltd.
 Project: Construction of Mr. Chughtai House Residence at Plot # 74 Muneer Road Cantt. Lahore. (Omar House, F/F Slab(i))
 Our Ref. No. CL/CED/ 5261 Dated: 09-07-24
 Your Ref. No. Nil Dated: 01-07-24

Test Specification
 (ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 01-07-24 Tested on: 09-07-24 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	(4000 Psi)	13	5	2024	6Diax12	---	14	28.28	34	2693	---	Non Engraved
2	(4000 Psi)	13	5	2024	6Diax12	---	14	28.28	36	2851	---	Non Engraved
3	(4000 Psi)	13	5	2024	6Diax12	---	14	28.28	38	3010	---	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