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.

3112
Dr. Umbreen

To: Muhammad Shahbaz
For and behalf of Imperium Hospitality (Pvt) Ltd

Project: Nil

Our Ref. No. CL/CED/ 8615 **Dated:** 18/4/2022 **Test Specification**

Your Ref. No. IHPL/Con/734 **Dated:** 07-04-22 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 11-04-22 **Tested on:** 18/4/2022 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	6000 Psi	7	3	2022	6Diax12	---	14	28.28	92	7287	---	Non Engraved
2	6000 Psi	7	3	2022	6Diax12	---	13.4	28.28	63	4990	---	Non Engraved
3	6000 Psi	7	3	2022	6Diax12	---	14	28.28	88	6970	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Engr. Ali Hasnain Khan and Engr. Rafi Ullah Bajwa

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
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3112
Dr. Umbreen

To: Muhammad Shahbaz
For and behalf of Imperium Hospitality (Pvt) Ltd

Project: Nil

Our Ref. No. CL/CED/ 8616 Dated: 18/4/2022 Test Specification

Your Ref. No. IHPL/Con/733 Dated: 07-04-22 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 11-04-22 Tested on: 18/4/2022 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	4000 Psi	6	3	2022	6Diax12	---	13.4	28.28	61	4832	---	Non Engraved
2	4000 Psi	6	3	2022	6Diax12	---	14	28.28	59	4673	---	Non Engraved
3	4000 Psi	6	3	2022	6Diax12	---	14.2	28.28	47	3723	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Engr. Ali Hasnain Khan and Engr. Rafi Ullah Bajwa

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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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3112
Dr. Umbreen

To: Muhammad Shahbaz
For and behalf of Imperium Hospitality (Pvt) Ltd.

Project: Nil

Our Ref. No. CL/CED/ 8617 **Dated:** 18/4/2022 **Test Specification**

Your Ref. No. IHPL/Con/732 **Dated:** 07-04-22 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 11-04-22 **Tested on:** 18/4/2022 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	6000 Psi	5	3	2022	6Diax12	---	13.4	28.28	92	7287	---	Non Engraved
2	6000 Psi	5	3	2022	6Diax12	---	13.6	28.28	88	6970	---	Non Engraved
3	6000 Psi	5	3	2022	6Diax12	---	14	28.28	94	7446	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Engr. Ali Hasnain Khan and Engr. Rafi Ullah Bajwa

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
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ORIGINAL
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3112
Dr. Umbreen

To: Muhammad Shahbaz
For and behalf of Imperium Hospitality (Pvt) Ltd

Project: Nil

Our Ref. No. CL/CED/ 8618 **Dated:** 18/4/2022 **Test Specification**

Your Ref. No. IHPL/Con/731 **Dated:** 28/3/2022 **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 11-04-22 **Tested on:** 18/4/2022 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	6000 Psi	4	3	2022	6Diax12	---	13.4	28.28	90	7129	---	Non Engraved
2	6000 Psi	4	3	2022	6Diax12	---	14	28.28	100	7921	---	Non Engraved
3	6000 Psi	4	3	2022	6Diax12	---	14.2	28.28	92	7287	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Engr. Ali Hasnain Khan and Engr. Rafi Ullah Bajwa

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
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ORIGINAL
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3112
Dr. Umbreen

To: Muhammad Shahbaz
For and behalf of Imperium Hospitality (Pvt) Ltd

Project: Nil

Our Ref. No. CL/CED/ 8619 **Dated:** 18/4/2022 **Test Specification**

Your Ref. No. IHPL/Con/730 **Dated:** 28/3/2022 **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 11-04-22 **Tested on:** 18/4/2022 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	4000 Psi	4	3	2022	6Diax12	---	13.4	28.28	83	6574	---	Non Engraved
2	4000 Psi	4	3	2022	6Diax12	---	13.6	28.28	83	6574	---	Non Engraved
3	4000 Psi	4	3	2022	6Diax12	---	14	28.28	83	6574	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Engr. Ali Hasnain Khan and Engr. Rafi Ullah Bajwa

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
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ORIGINAL
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3034
Dr. Yousaf

To: Tahir Ali
Major Projects Engineering Group Lahore

Project: Construction of ABL, Warehouse at Pakpattan Road Region Sahiwal

Our Ref. No. CL/CED/ 8620 **Dated:** 18/4/2022 **Test Specification**

Your Ref. No. UET/Bricks Testing/ ABL Warehouse/2022/1 **Dated:** 24/3/2022 **(BS 3921**)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 31/3/2022 **Tested on:** 18/4/2022 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	LAK	---	---	---	8.8 x 4.3 x 2.9	3480	3030	37.84	43	2545	14.85	---
2	LAK	---	---	---	8.7 x 4.3 x 2.8	3390	3030	37.41	51	3054	11.88	---
3	LAK	---	---	---	8.6 x 4.2 x 2.8	3420	3035	36.12	51	3163	12.69	---
4	LAK	---	---	---	8.8 x 4.2 x 2.8	3350	2940	36.96	49	2970	13.95	---
5	LAK	---	---	---	8.9 x 4.3 x 2.8	3385	3060	38.27	35	2049	10.62	---
6	LAK	---	---	---	8.9 x 4.2 x 2.8	3450	2975	37.38	33	1978	15.97	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

3054
Dr. Umbreen

To: **Resident Engineer**
Engineering Services Consultants.

Project: Construction of (12' Carpet) road from Hakeem pura Kolo Tarar to Channi Boury via Thatta Cheena L=14.60 KMS.

Our Ref. No. CL/CED/ 8621 **Dated:** **18/4/2022** **Test Specification**

Your Ref. No. **RE/ESC/ADP/HFZ-34** **Dated:** **26/3/2022** **(BS 3921**)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 01-04-22 **Tested on:** 18/4/2022 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	NC	---	---	---	8.8 x 4.3 x 3	3680	3210	37.84	47	2782	14.64	---
2	NC	---	---	---	8.9 x 4.4 x 3	3820	3290	39.16	43	2460	16.11	---
3	NC	---	---	---	8.9 x 4.4 x 3.1	3835	3320	39.16	47	2688	15.51	---
4	NC	---	---	---	9 x 4.4 x 2.9	3775	3250	39.6	45	2545	16.15	---
5	NC	---	---	---	8.8 x 4.4 x 3.1	3755	3225	38.72	39	2256	16.43	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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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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.

3056
Dr. Umbreen

To: **Khalid Bashir**
For Ittefaq Building Solutions (Pvt) Ltd.

Project: Construction of Kohinoor Textile Mill Raiwind, Lahore (Weaving Unit Extension & Yarn Storage).

Our Ref. No. CL/CED/ 8622 **Dated: 18/4/2022** **Test Specification**

Your Ref. No. IBS/KTML/BT 01 **Dated: 01-04-22** **(BS 3921**)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 01-04-22 **Tested on:** 18/4/2022 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	S	---	---	---	8.9 x 4.4 x 3.1	3830	3350	39.16	49	2803	14.33	---
2	S	---	---	---	8.9 x 4.3 x 3.1	3790	3355	38.27	51	2985	12.97	---
3	S	---	---	---	8.8 x 4.3 x 3.1	3780	3340	37.84	49	2901	13.17	---
4	S	---	---	---	8.7 x 4.3 x 2.9	3785	3305	37.41	51	3054	14.52	---
5	S	---	---	---	8.8 x 4.3 x 3	3740	3275	37.84	47	2782	14.2	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

3056
Dr. Umbreen

To: **Khalid Bashir**
For Ittefaq Building Solutions (Pvt) Ltd.

Project: Construction of Kohinoor Textile Mill Raiwind, Lahore. (Weaving Unit Extension & Yarn Storage).

Our Ref. No. CL/CED/ 8623 **Dated: 18/4/2022** **Test Specification**

Your Ref. No. IBS/KTML/BT 02 **Dated: 01-04-22** **(BS 3921**)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 01-04-22 **Tested on:** 18/4/2022 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	101	---	---	---	8.9 x 4.3 x 2.9	3580	3145	38.27	37	2166	13.83	---
2	101	---	---	---	8.7 x 4.2 x 2.8	3360	3025	36.54	48	2943	11.07	---
3	101	---	---	---	8.9 x 4.3 x 2.9	3620	3145	38.27	43	2517	15.1	---
4	101	---	---	---	8.8 x 4.3 x 2.9	3560	3085	37.84	43	2545	15.4	---
5	101	---	---	---	8.8 x 4.1 x 2.8	3225	2870	36.08	49	3042	12.37	---
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/

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2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Civil Engineering Department
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ORIGINAL
A carbon copy for the report has been retained in the lab for record.

3048
Dr. Umbreen

To: Sub Divisional Officer
Building Sub Division, Hafizabad

Project: The Upgrad. work of D.H.Q. Hospital HZ (Group No. 4) Laundry Block, Mortuary Block, Yellow Room, Burial Pit, Const. of Mosque, Const. of OHR 50,000 Gallons Capacity 80' Height, Const. of B. Wall 9"

Our Ref. No. CL/CED/ 8624 Dated: 18/4/2022 Test Specification

Your Ref. No. 1153/H Dated: 30/3/2022 (----)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 31/3/2022 **Tested on:** 18/4/2022 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	JB	---	---	---	8.7 x 4.2 x 2.7	---	2980	36.54	47	2881	---	---
2	JB	---	---	---	8.6 x 4.2 x 2.9	---	2880	36.12	51	3163	---	---
3	JB	---	---	---	8.7 x 4.2 x 2.8	---	2880	36.54	47	2881	---	---
4	JB	---	---	---	8.7 x 4.1 x 2.8	---	2950	35.67	45	2826	---	---
5	S	---	---	---	8.6 x 4.2 x 2.8	---	2900	36.12	34	2109	---	---
6	S	---	---	---	8.4 x 4.2 x 2.8	---	2990	35.28	39	2476	---	---
7	S	---	---	---	8.6 x 4.1 x 2.8	---	2830	35.26	31	1969	---	---
8	S	---	---	---	8.7 x 4.2 x 2.8	---	3055	36.54	51	3126	---	---
9	M	---	---	---	8.4 x 4.2 x 2.7	---	2730	35.28	25	1587	---	---
10	M	---	---	---	8.8 x 4.2 x 2.8	---	2805	36.96	37	2242	---	---
11	M	---	---	---	8.6 x 4.2 x 2.9	---	2775	36.12	43	2667	---	---
12	M	---	---	---	8.7 x 4.2 x 2.8	---	2780	36.54	43	2636	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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