



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

686

Dr. Ambreen

To: Mr. Abrar Hussain (G.M-Hussain)
Mughals Pakistan (Pvt.) Ltd. Lahore
Project: Nil

Our Ref. No. CL/CED/ 2208 Dated: 24-02-21

Your Ref. No. 786/MPL/150206/2021 Dated: 15-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-02-21 Tested on: 23-02-21 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	Cut Piece Red		6x6x2.3	2946	36	110	6850	
2	Cut Piece Red		6x6x2.3	2964	36	114	7100	
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

* 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



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

642

To: **Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager)**

Dr. Ambreen

Humqadam SCRP (M/s Oriental Quality Engineers)

Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GPS Te Garh & CDGHS Engine Shed Lahore.)

Our Ref. No. CL/CED/ 2209-1 of 2 Dated: 24-02-21

Your Ref. No. IMC-LHR/SCRP/2020/
MaterialTesting/LHR-1 Dated: 08-01-20

COMPRESSION TEST REPORT

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

Specimens received on: 01-02-21 Tested on: 09-02-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Mortar Cube	1	1	2021	2.0x2.0x2.0	298	4	18	9920	
2	Mortar Cube	1	1	2021	2.0x2.0x2.0	291	4	7	3860	
3	Mortar Cube	1	1	2021	2.0x2.0x2.0	293	4	8	4410	
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642

To: **Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager)**

Dr. Ambreen

Humqadam SCRIP (M/s Oriental Quality Engineers)

Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GPS Te Garh & CDGHS Engine Shed Lahore.)

Our Ref. No. CL/CED/ 2209-2 of 2 Dated: 24-02-21

Your Ref. No. IMC-LHR/SCRIP/2020/
MaterialTesting/LHR-1 Dated: 08-01-20

COMPRESSION TEST REPORT

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

Specimens received on: 01-02-21 Tested on: 24-02-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		1	1	2021						
1	Mortar Cube	1	1	2021	2.0x2.0x2.0	256	4	9.3	5130	
2	Mortar Cube	1	1	2021	2.0x2.0x2.0	248	4	6	3310	
3	Mortar Cube	1	1	2021	2.0x2.0x2.0	259	4	12.8	7060	
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654

Engr. A. Rehman

To: Archaeological Conservator
Govt of the Punjab, Jahangir's Tomb, Shahdara, Lahore
Project: Conservation Work of Jahangir's Tomb, Shahdara Lahore

Our Ref. No. CL/CED/ 2210 Dated: 24-02-21

Your Ref. No. Nil Dated: 08-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 09-02-21 Tested on: 24-02-21 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	A-1		3.9x3.8x1.0	506	14.82	71.8	10860	
2	A-2		3.8x3.8x1.0	495	14.44	68.1	10570	
3	B-1		3.9x3.8x1.0	494	14.82	72.2	10920	
4	B-2		3.8x3.8x1.0	466	14.44	69.5	10790	
5	C-1		4.0x3.9x1.0	478	15.6	66	9480	
6	C-2		3.9x3.8x1.0	477	14.82	58.4	8830	
7	D-1		4.0x3.8x1.0	479	15.2	59.7	8800	
8	D-2		3.9x3.8x1.0	475	14.82	55.3	8360	
9	E-1		4.0x3.9x1.0	466	15.6	60.7	8720	
10	E-2		3.9x3.8x1.0	464	14.82	58.5	8850	
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Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

712

Dr. Umbreen

To: Mr. Muhammad Saleem (GM)

Professional Construction Services (Pvt.) Ltd. Lahore

Project: Construction of Allied Bank Limited DHA Phase 8c Ex Park View Lahore (First Floor Slab at Grid A~N/1~7)

Our Ref. No. CL/CED/

2211

Dated:

24-02-21

Your Ref. No.

PCS/2021/Eng-27

Dated:

17-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 23-02-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1	(1 : 2 : 4)	23	1	2021	6Diax12	14	28.28	65	5150	Non Engraved
2	(1 : 2 : 4)	23	1	2021	6Diax12	14	28.28	69	5470	Non Engraved
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Department of Civil Engineering
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712

Dr. Umbreen

To: **Mr. Muhammad Saleem (GM)**

Professional Construction Services (Pvt.) Ltd. Lahore

Project: Construction of Allied Bank Limited DHA Phase 8c Ex Park View Lahore (Second Floor Slab at Grid A~N/1~7)

Our Ref. No. CL/CED/ 2212 Dated: 24-02-21

Your Ref. No. PCS/2021/Eng-28 Dated: 17-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 23-02-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	(1 : 2 : 4)	10	2	2021	6Diax12	14	28.28	51	4040	Non Engraved
2	(1 : 2 : 4)	10	2	2021	6Diax12	14	28.28	49	3890	Non Engraved
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 Phone Nos. 042-99029202, 042-99029217

712

Dr. Umbreen

To: **Mr. Muhammad Saleem (GM)**

Professional Construction Services (Pvt.) Ltd. Lahore

Project: Construction of Allied Bank Limited DHA Phase 8c Ex Park View Lahore (First Floor Columns & Lift Wall at Grid A~N/1~7)

Our Ref. No. CL/CED/ 2213 Dated: 24-02-21

Your Ref. No. PCS/2021/Eng-26 Dated: 17-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 23-02-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	(1 : 1.5 : 3)	13	1	2021	6Diax12	14.2	28.28	81	6420	Non Engraved
2	(1 : 1.5 : 3)	13	1	2021	6Diax12	14.4	28.28	84	6660	Non Engraved
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Plain and Reinforced Concrete Laboratory
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Phone Nos. 042-99029202, 042-99029217

724

Dr. Umbreen

To: **Mr. Muhammad Saleem (GM)**

Professional Construction Services (Pvt.) Ltd. Lahore

Project: Construction of Allied Bank Limited Valencia Town Lahore (Ground Floor Slab Grid A~C/1~4)

Our Ref. No. CL/CED/ 2214 Dated: 24-02-21

Your Ref. No. PCS/2021/Eng-29 Dated: 19-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-02-21 Tested on: 23-02-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	(1 : 2 : 4)	11	2	2021	6Diax12	13.8	28.28	23	1830	Non Engraved
2	(1 : 2 : 4)	11	2	2021	6Diax12	14	28.28	23	1830	Non Engraved
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Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

711

Dr. Umbreen

To: **Mr. Muhammad Aqeel Bhatti (Project Manager)**

Kingcrete Builders

Project: Construction of Cargo Building at Allama Iqbal International Airport Lahore

Our Ref. No. CL/CED/ 2215-1 of 2 Dated: 24-02-21

Your Ref. No. KB/GD-CB/AHA-LHR/056 Dated: 15-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 23-02-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1	3000 Psi	22	12	2020	6Diax12	14.6	28.28	77	6100	Non Engraved
2	3000 Psi	22	12	2020	6Diax12	14	28.28	79	6260	Non Engraved
3	3000 Psi	24	12	2020	6Diax12	14	28.28	71	5630	Non Engraved
4	3000 Psi	24	12	2020	6Diax12	14	28.28	67	5310	Non Engraved
5	3000 Psi	25	12	2020	6Diax12	14	28.28	67	5310	Non Engraved
6	3000 Psi	25	12	2020	6Diax12	13.4	28.28	45	3570	Non Engraved
7	3000 Psi	28	12	2020	6Diax12	14.2	28.28	83	6580	Non Engraved
8	3000 Psi	28	12	2020	6Diax12	14	28.28	75	5950	Non Engraved
9	3000 Psi	9	1	2021	6Diax12	13.8	28.28	51	4040	Non Engraved
10	3000 Psi	9	1	2021	6Diax12	13.4	28.28	67	5310	Non Engraved
11	3000 Psi	12	1	2021	6Diax12	14	28.28	69	5470	Non Engraved
12	3000 Psi	12	1	2021	6Diax12	13.1	28.28	61	4840	Non Engraved
13	3000 Psi	13	1	2021	6Diax12	13.4	28.28	65	5150	Non Engraved
14	3000 Psi	13	1	2021	6Diax12	14	28.28	69	5470	Non Engraved
15	3000 Psi	18	1	2021	6Diax12	14	28.28	71	5630	Non Engraved
16	3000 Psi	18	1	2021	6Diax12	13.2	28.28	67	5310	Non Engraved

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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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711

Dr. Umbreen

To: **Mr. Muhammad Aqeel Bhatti (Project Manager)**

Kingcrete Builders

Project: Construction of Cargo Building at Allama Iqbal International Airport Lahore

Our Ref. No. CL/CED/ 2215-2 of 2 Dated: 24-02-21

Your Ref. No. KB/GD-CB/AHA-LHR/056 Dated: 15-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 23-02-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
17	3000 Psi	19	1	2021	6Diax12	13.2	28.28	49	3890	Non Engraved
18	3000 Psi	19	1	2021	6Diax12	14	28.28	71	5630	Non Engraved
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719

Dr. Umbreen

To: Mr. Maqsood Ahmad (Project Coordinator)
Banu Mukhtar Contracting (Pvt.) Ltd. Lahore
Project: Novatex (Pvt) Ltd M3 Industrial Estate Fsd (Mezzanine Top Beams)

Our Ref. No. CL/CED/ 2216 Dated: 24-02-21

Your Ref. No. BML/300841/010 Dated: 18-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 23-02-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	3000 Psi	9	2	2021	6Diax12	14.2	28.28	65	5150	Non Engraved
2	3000 Psi	9	2	2021	6Diax12	14.2	28.28	55	4360	Non Engraved
3	3000 Psi	9	2	2021	6Diax12	14.2	28.28	67	5310	Non Engraved
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University of Engineering and Technology, Lahore
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719

Dr. Umbreen

To: **Mr. Maqsood Ahmad (Project Coordinator)**

Banu Mukhtar Contracting (Pvt.) Ltd. Lahore

Project: Novatex (Pvt) Ltd M3 Industrial Estate Fsd (Production Hall + Mezzanine, Bracing+T Beams)

Our Ref. No. CL/CED/ 2217 Dated: 24-02-21

Your Ref. No. BML/300841/008 Dated: 15-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 23-02-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		1	2	2021						
1	3000 Psi	1	2	2021	6Diax12	14	28.28	47	3730	Non Engraved
2	3000 Psi	1	2	2021	6Diax12	14	28.28	67	5310	Non Engraved
3	3000 Psi	1	2	2021	6Diax12	14	28.28	53	4200	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departament?RID=testing_reports&id=6

* 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

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

722

Dr. M. Yousaf

To: Syed Mustafa Ali (Sr. Manager Coordination)

Izhar Construction (Pvt.) Ltd. Lahore

Project: Construction of Mill Building & Cotton Godowns at Nishat Mills Limited, Sahianwala, Faisalabad (4500 Psi) (C-30)

Our Ref. No. CL/CED/ 2218 Dated: 24-02-21

Your Ref. No. ICPL/CONST-NML/21/014 Dated: 19-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-02-21 Tested on: 23-02-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	Lab # C-1 (4)	21	1	2021	6x6x6	9	36	96	5980	Non Engraved
2	Lab # C-1 (5)	21	1	2021	6x6x6	8.8	36	103	6410	Non Engraved
3	Lab # C-1 (6)	21	1	2021	6x6x6	9	36	106	6600	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

722

Dr. M. Yousaf

To: **Syed Mustafa Ali (Sr. Manager Coordination)**

Izhar Construction (Pvt.) Ltd. Lahore

Project: Construction of Mill Building & Cotton Godowns at Nishat Mills Limited, Sahianwala, Faisalabad (4500 Psi) (C-30)

Our Ref. No. CL/CED/ 2219 Dated: 24-02-21

Your Ref. No. ICPL/CONST-NML/21/015 Dated: 19-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-02-21 Tested on: 23-02-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1	Lab # C-2 (4)	21	1	2021	6x6x6	9	36	111	6910	Non Engraved
2	Lab # C-2 (5)	21	1	2021	6x6x6	9	36	110	6850	Non Engraved
3	Lab # C-2 (6)	21	1	2021	6x6x6	9	36	92	5730	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

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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

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

722

To: Syed Mustafa Ali (Sr. Manager Coordination)

Dr. M. Yousaf

Izhar Construction (Pvt.) Ltd. Lahore

Project: Construction of Mill Building & Cotton Godowns at Nishat Mills Limited, Sahianwala, Faisalabad (4500 Psi) (C-30)

Our Ref. No. CL/CED/ 2220 Dated: 24-02-21

Your Ref. No. ICPL/CONST-NML/21/016 Dated: 19-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-02-21 Tested on: 23-02-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1	Lab # C-3 (4)	22	1	2021	6x6x6	9	36	100	6230	Non Engraved
2	Lab # C-3 (5)	22	1	2021	6x6x6	9	36	103	6410	Non Engraved
3	Lab # C-3 (6)	22	1	2021	6x6x6	9	36	108	6720	Non Engraved
4										
5										
6										
7										
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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)

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