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.

6165
Dr. Aqsa

To: Mr. Muhammad Tufail
Resident Engineer, Package-I (PCP) Daska, (MMP Pakistan Pvt. Ltd.)

Project: 16 Cities Project Punjab, Detailed Design of Infrastructure Sub Projects, Sectoral Planning & Resident Supervision in 16 Cities of Punjab.

Our Ref. No. CL/CED/ 3408 Dated: 07-11-23

Your Ref. No. DSK/CON/1094/SW/120/2023 Dated: 30-10-23

Test Specification
(BS 1881-116)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 30-10-23 Tested on: 07-11-23 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	RCC (1:1.5:3)	8	9	2023	6x6x6	---	9	36	65	4044	---	Non Engraved
2	RCC (1:1.5:3)	8	9	2023	6x6x6	---	8.8	36	80	4978	---	Non Engraved
3	RCC (1:1.5:3)	8	9	2023	6x6x6	---	9.2	36	59	3671	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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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6168
Dr. M. Yousaf

To: District Officer (I&S)
District Council Sargodha.

Project: (i) Rehabilitation of Drainage Scheme Adda Colony Shaheenabad District Sargodha. Estimate Cost 4.4. (ii) Rehabilitation of Drainage Scheme Adda Colony Shaheenabad District Sargodha. Estimate Cost 2.5.

Our Ref. No. CL/CED/ 3409-1 of 2 Dated: 07-11-23 Test Specification

Your Ref. No. 394 Dated: 26-10-23 (----)

COMPRESSION TEST REPORT

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

Specimens received on: 30-10-23 Tested on: 06-11-23 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	Rectangular, Grey, 60mm	---	---	---	7.9 x 3.9 x 2.4	---	3290	30.81	85	6180	---	Used Sample
2	Rectangular, Grey, 60mm	---	---	---	7.9 x 3.9 x 2.4	---	3100	30.81	85	6180	---	Used Sample
3	Rectangular, Grey, 60mm	---	---	---	7.9 x 3.9 x 2.4	---	3075	30.81	89	6471	---	Used Sample
4	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3	---	3500	29.64	54	4081	---	Used Sample
5	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3	---	3525	29.64	44	3325	---	Used Sample
6	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3	---	3635	29.64	47	3552	---	Used Sample
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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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 compressive 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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6168
Dr. M. Yousaf

To: District Officer (I&S)
District Council Sargodha.

Project: (i) Rehabilitation of Drainage Scheme Adda Colony Shaheenabad District Sargodha. Estimate Cost 4.4. (ii) Rehabilitation of Drainage Scheme Adda Colony Shaheenabad District Sargodha. Estimate Cost 2.5.

Our Ref. No. CL/CED/ 3409-2 of 2 Dated: 07-11-23 Test Specification

Your Ref. No. 394 Dated: 26-10-23 (----)

COMPRESSION TEST REPORT

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

Specimens received on: 30-10-23 Tested on: 06-11-23 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	3 Star	---	---	---	8.5 x 4.2 x 2.5	---	2950	35.7	38	2384	---	Used Sample
2	3 Star	---	---	---	8.5 x 4.2 x 2.7	---	2910	35.7	28	1757	---	Used Sample
3	3 Star	---	---	---	8.4 x 4.2 x 2.7	---	2870	35.28	33	2095	---	Used Sample
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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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ORIGINAL
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6193
Dr. Irfan Ul Hassan

To: Engr. Muhammad Shaaban
Resident Engineer, HA Consulting, Architects, Engineers & Planners

Project: Construction of IT Park at PAF Air Base, Lahore. (M/s Capstone Builder)

Our Ref. No. CL/CED/ 3410 Dated: 07-11-23

Your Ref. No. HAC/UET/Cap/2311/01/106 Dated: 01-11-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 03-11-23 Tested on: 07-11-23 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	---	6	10	2023	6Daix12	---	13.8	28.28	44	3485	---	Non Engraved
2	---	6	10	2023	6Daix12	---	14	28.28	58	4594	---	Non Engraved
3	---	6	10	2023	6Daix12	---	14	28.28	50	3960	---	Non Engraved
4	---	6	10	2023	6Daix12	---	14	28.28	58	4594	---	Non Engraved
5	---	6	10	2023	6Daix12	---	14.2	28.28	50	3960	---	Non Engraved
6	---	6	10	2023	6Daix12	---	14.6	28.28	58	4594	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. Usama Ali, CNIC 33106-9510255-7 & Mr. Arslan Sajid, CNIC 36603-2390748-7

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
A carbon copy for the report has been retained in the lab for record.

6198
Dr. Aqsa

To: Mr. Muhammad Shafiq
Assistant Resident Engineer, Punjab Cities Program (MMP Pakistan Pvt. Ltd.)

Project: Rehabilitation of Road with Tuff Pavers in Kamalia (Package-III PCP) R2-Daras Ghousia to Darbar Darghai Shah via Malkanwali Bhain Main Gate Fazil Dewaan Park City. R1-Haji Chowk to Pakistan Chowk.

Our Ref. No. CL/CED/ 3411 Dated: 07-11-23

Your Ref. No. KM/PKG03/28 Dated: 06-11-23

Test Specification
(----)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 06-11-23 Tested on: 07-11-23 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	Rectangular, Red, 80mm	---	---	---	7.8x3.8x3.0	---	3710	29.64	109	8238	---	Izhar Pavers Pvt. Ltd.
2	Rectangular, Red, 80mm	---	---	---	7.8x3.8x3.0	---	3740	29.64	107	8086	---	Izhar Pavers Pvt. Ltd.
3	Rectangular, Red, 80mm	---	---	---	7.8x3.8x3.1	---	3760	29.64	81	6121	---	Izhar Pavers Pvt. Ltd.
4	Rectangular, Red, 80mm	---	---	---	7.8x3.8x3.1	---	3670	29.64	95	7179	---	Izhar Pavers Pvt. Ltd.
5	Rectangular, Red, 80mm	---	---	---	7.8x3.8x3.1	---	3735	29.64	129	9749	---	Izhar Pavers Pvt. Ltd.
6	Rectangular, Red, 80mm	---	---	---	7.8x3.8x3.0	---	3710	29.64	115	8691	---	Izhar Pavers Pvt. Ltd.
7	Rectangular, Red, 80mm	---	---	---	7.8x3.8x3.1	---	3855	29.64	93	7028	---	Izhar Pavers Pvt. Ltd.
8	Rectangular, Red, 80mm	---	---	---	7.8x3.8x3.1	---	3850	29.64	85	6424	---	Izhar Pavers Pvt. Ltd.
9	Rectangular, Red, 80mm	---	---	---	7.8x3.8x3.1	---	3800	29.64	95	7179	---	Izhar Pavers Pvt. Ltd.
10	Rectangular, Red, 80mm	---	---	---	7.8x3.8x3.0	---	3690	29.64	103	7784	---	Izhar Pavers Pvt. Ltd.
11	Rectangular, Red, 80mm	---	---	---	7.8x3.8x3.0	---	3685	29.64	111	8389	---	Izhar Pavers Pvt. Ltd.
12	Rectangular, Red, 80mm	---	---	---	7.8x3.8x3.0	---	3705	29.64	95	7179	---	Izhar Pavers Pvt. Ltd.
13	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. M. Shafiq CNIC 36304-2378145-9

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 compressive 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
A carbon copy for the report has been retained in the lab for record.

6150
Dr. Aqsa

To: Al Muhandes Engineering Solution
Navel Colony Hub River Road HBCHS Karachi.

Project: Construction of Security Gate. (Location: Unilever Food Lahore)

Our Ref. No. CL/CED/ 3412 **Dated: 07-11-23**

Your Ref. No. Nil **Dated: 25-10-23**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 26-10-23 **Tested on:** 07-11-23 **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	---	24	9	2023	6Daix12	---	15	28.28	42	3327	---	Non Engraved
2	---	24	9	2023	6Daix12	---	14.8	28.28	54	4277	---	Non Engraved
3	---	24	9	2023	6Daix12	---	15	28.28	47	3723	---	Non Engraved
4	---	3	10	2023	6Daix12	---	15	28.28	36	2851	---	Non Engraved
5	---	3	10	2023	6Daix12	---	15	28.28	44	3485	---	Non Engraved
6	---	3	10	2023	6Daix12	---	15	28.28	42	3327	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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ORIGINAL
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6166
Dr. Aqsa

To: Assistant Resident Engineer
ES Consultants (Pvt) Ltd.

Project: Construction of Multy Storey (High Rise) Comercial Building Complex at OPF Housing Scheme, Khayaban-e-Jinnah Raiwind Road, Lahore.

Our Ref. No. CL/CED/ 3413 Dated: 07-11-23

Your Ref. No. ESC /OPF-ISL/6032 Dated: 30-10-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 30-10-23 Tested on: 07-11-23 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	---	1	10	2023	6Diax12	---	13	28.28	79	6257	---	Non Engraved
2	---	1	10	2023	6Diax12	---	13.2	28.28	72	5703	---	Non Engraved
3	---	1	10	2023	6Diax12	---	13	28.28	79	6257	---	Non Engraved
4	---	2	10	2023	6Diax12	---	13.6	28.28	70	5545	---	Non Engraved
5	---	2	10	2023	6Diax12	---	13	28.28	68	5386	---	Non Engraved
6		2	10	2023	6Diax12	---	13.2	28.28	81	6416	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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16	---					---	---	---	---	---	---	---

Witnessed by: Nil

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
A carbon copy for the report has been retained in the lab for record.

6166
Dr. Aqsa

To: Assistant Resident Engineer
ES Consultants (Pvt) Ltd.

Project: Construction of Multy Storey (High Rise) Comercial Building Complex at OPF Housing Scheme, Khayaban-e-Jinnah Raiwind Road, Lahore.

Our Ref. No. CL/CED/ 3414 Dated: 07-11-23

Your Ref. No. ESC /OPF-ISL/6034 Dated: 30-10-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 30-10-23 Tested on: 07-11-23 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	---	20	10	2023	6Diax12	---	13.2	28.28	54	4277	---	Non Engraved
2	---	20	10	2023	6Diax12	---	13.2	28.28	69	5465	---	Non Engraved
3	---	20	10	2023	6Diax12	---	13	28.28	64	5069	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6		---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---					---	---	---	---	---	---	---

Witnessed by: Nil

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.

6166
Dr. Aqsa

To: Assistant Resident Engineer
ES Consultants (Pvt) Ltd.

Project: Construction of Multy Storey (High Rise) Comercial Building Complex at OPF Housing Scheme, Khayaban-e-Jinnah Raiwind Road, Lahore.

Our Ref. No. CL/CED/ 3415 Dated: 07-11-23

Your Ref. No. ESC /OPF-ISL/6033 Dated: 30-10-23

Test Specification
(ASTM C39)

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2	---	23	10	2023	6Diax12	---	13.2	28.28	55	4356	---	Non Engraved
3	---	23	10	2023	6Diax12	---	13.6	28.28	67	5307	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---					---	---	---	---	---	---	---

Witnessed by: Nil

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Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**