



# 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.

7417  
Dr. M. Yousaf

**To:** Engineer's Representative  
Metroplan-Asian JV, Site Office JIC-JHL, Lahore. Asian Consulting Engineers (Pvt.) Ltd.  
**Project:** Establishment of Jinnah Institute of Cardiology at Jinnah Hospital Lahore. (Contractor: M/s CCECC-SALMAN (JV)).  
**Our Ref. No. CL/CED/ 5262** Dated: 10-07-24  
**Your Ref. No. Metroplan-Asian JV JIC-JHL-RE-219-2024** Dated: 09-07-24

**Test Specification**  
( --- )

### COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: 10-07-24 Tested on: 10-07-24 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	Solid Block	2	7	2024	11.9x6.0x7.9	---	21	71.4	49	1537	---	---
2	Solid Block	2	7	2024	11.9x6.0x8.0	---	21	71.4	41	1286	---	---
3	Solid Block	2	7	2024	11.9x5.9x8.0	---	21	70.21	44	1404	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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



# 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.

7358  
Dr. M. Mazhar

To: Mr. Muhammad Sajjad  
Project Incharge

Project: Construction of House No. 60, C Block Model Town Lahore.

Our Ref. No. CL/CED/ 5263

Dated: 10-07-24

Test Specification

Your Ref. No. Nil

Dated: 27-06-24

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 27/6/2024 Tested on: 10-07-24 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	Columns (4000 Psi)	11	6	2024	6Diax12	---	14	28.28	58	4594	---	Non Engraved
2	Columns (4000 Psi)	11	6	2024	6Diax12	---	14	28.28	62	4911	---	Non Engraved
3	Columns (4000 Psi)	14	6	2024	6Diax12	---	14	28.28	62	4911	---	Non Engraved
4	Columns (4000 Psi)	14	6	2024	6Diax12	---	14	28.28	48	3802	---	Non Engraved
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
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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



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**Civil Engineering Department**  
 University of Engineering and Technology, Lahore, Pakistan  
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**ORIGINAL**  
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7413  
 Dr. M. Mazhar

**To:** Mr. Muhammad Zafar Iqbal  
 Mohallah Makkah Colony, Gulberg-III Lahore.

**Project:** Nil

**Our Ref. No. CL/CED/ 5264**

**Dated: 10-07-24**

**Test Specification**

**Your Ref. No. No. 01**

**Dated: 08-07-24**

**(ASTM C39)**

## COMPRESSION TEST REPORT



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

**Specimens received on:** 09-07-24 **Tested on:** 10-07-24 **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	(1:1.25:2.5)	8	6	2024	6Diax12	---	14	28.28	62	4911	---	Non Engraved
2	(1:1.25:2.5)	8	6	2024	6Diax12	---	13.8	28.28	70	5545	---	Non Engraved
3	(1:1.25:2.5)	8	6	2024	6Diax12	---	14	28.28	80	6337	---	Non Engraved
4	(1:2:2)	9	6	2024	6Diax12	---	14.8	28.28	60	4752	---	Non Engraved
5	(1:2:2)	9	6	2024	6Diax12	---	14.4	28.28	68	5386	---	Non Engraved
6	(1:2:2)	9	6	2024	6Diax12	---	14	28.28	62	4911	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by:**

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

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**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**



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7407  
 Dr. M. Mazhar

**To: MEEZAN DEVELOPERS**  
 Main Boulevard Jubilee Town, Lahore.

**Project: Construction of Jamia-Tur-Rasheed Lahore Campus.**

**Our Ref. No. CL/CED/ 5265**

**Dated: 10-07-24**

**Test Specification**

**Your Ref. No. Nil**

**Dated: 08-07-24**

**(ASTM C39)**

## COMPRESSION TEST REPORT



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

Specimens received on: 08-07-24 Tested on: 10-07-24 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	FS.2 +FS.2	6	6	2024	6Diax12	---	14	28.28	42	3327	---	Engraved
2	FS.2 +FS.2	6	6	2024	6Diax12	---	14	28.28	48	3802	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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
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- \*\*\*\* 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)
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**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**



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ORIGINAL  
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7414  
 Dr. M. Mazhar

**To:** Engr. Hassan Mahmood  
 Resident Engineer, G3 Engineering Consultants (Pvt) Ltd

**Project:** Construction of DHA NEWLIFE RESIDENICA APARTMENTS at 273/1 Q BLOCK PHASE-II DHA, LAHORE (Slab of Grid G-H & Line 3-4 at 1st Floor and Stair at Grid (H-I) & Line 5-6 from 2nd to 3rd Floor)  
**Our Ref. No. CL/CED/ 5266**      **Dated: 10-07-24**

Test Specification

**Your Ref. No. G3/DHA/NLD/RE/237**

**Dated: 02-07-24**

(ASTM C39)

## COMPRESSION TEST REPORT



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

**Specimens received on:**  **Tested on:**  **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	---	14	28.28	68	5386	---	Engraved
2	4000 Psi	5	6	2024	6Diax12	---	13.4	28.28	62	4911	---	Engraved
3	4000 Psi	5	6	2024	6Diax12	---	14	28.28	72	5703	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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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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**Note:** Above results pertain to the unsealed samples supplied to the laboratory

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**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**



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ORIGINAL  
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7390  
 Dr. M. Mazhar

**To:** Ittefaq Building Solutions Pvt. Ltd  
 Airline Society, Khyaban-e-Jinah, Lahore.

**Project:** Construction of LEARNING ALLIANCE SCHOOL.

**Our Ref. No.** CL/CED/ 5267

**Dated:** 10-07-24

**Test Specification**

**Your Ref. No.** Nil

**Dated:** 04-07-24

(ASTM C39)

## COMPRESSION TEST REPORT



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

**Specimens received on:** 04-07-24 **Tested on:** 10-07-24 **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	---	16	6	2024	6Diax12	---	13.2	28.28	40	3168	---	Non Engraved
2	---	16	6	2024	6Diax12	---	14	28.28	42	3327	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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/>

- \* 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)
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**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.

7393  
 Dr. M. Mazhar

**To: Mr. Nabeel Sarwar**  
 Resident Engineer, HA Consulting JV Mascon Associates

**Project: Expansion and Revamping of Warehouse at Medical Store Depot, Gurumangat Road, Lahore.**

**Our Ref. No. CL/CED/ 5268**

**Dated: 10-07-24**

Test Specification

**Your Ref. No. HA-MAS/RE/RAC/2021**

**Dated: 04-07-24**

**( BS 1881-116 )**

## COMPRESSION TEST REPORT



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

Specimens received on: **05-07-24** Tested on: **10-07-24** 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	MSD-1 (Floor)-(1:2:4)	3	3	2024	6x6x6	---	9	36	83	5164	---	Non Engraved
2	MSD-1 (Floor)-(1:2:4)	3	3	2024	6x6x6	---	8.4	36	70	4356	---	Non Engraved
3	MSD-1 (Floor)-(1:2:4)	3	3	2024	6x6x6	---	8.4	36	58	3609	---	Non Engraved
4	UGWT Foundation (1:2:4)	15	3	2024	6x6x6	---	8.6	36	50	3111	---	Non Engraved
5	UGWT Foundation (1:2:4)	15	3	2024	6x6x6	---	8.6	36	92	5724	---	Non Engraved
6	UGWT Foundation (1:2:4)	15	3	2024	6x6x6	---	8.6	36	74	4604	---	Non Engraved
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)
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**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**



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 University of Engineering and Technology, Lahore, Pakistan  
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7393  
 Dr. M. Mazhar

To: Mr. Nabeel Sarwar  
 Resident Engineer, HA Consulting JV Mascon Associates

Project: Expansion and Revamping of Warehouse at Medical Store Depot, Gurumangat Road, Lahore.

Our Ref. No. CL/CED/ 5269

Dated: 10-07-24

Test Specification

Your Ref. No. MAS-JV-HA/RE/RAC/18

Dated: 11-04-24

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: 05-07-24      Tested on: 10-07-24      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	UGWT Retaining Wall (1:2:4)	7	4	2024	6x6x6	---	8.8	36	70	4356	---	Non Engraved
2	UGWT Retaining Wall (1:2:4)	7	4	2024	6x6x6	---	8.6	36	56	3484	---	Non Engraved
3	UGWT Retaining Wall (1:2:4)	7	4	2024	6x6x6	---	8	36	62	3858	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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-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





# 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.

7388  
Dr. M. Mazhar

To: Mr. IMTINAN SHAUKAT  
Civil Generalist, Department of Engineering, Ittehad Chemicals Limited

Project: ICL ROAD ELEVATION

Our Ref. No. CL/CED/ 5270

Dated: 10-07-24

Test Specification

Your Ref. No. Nil

Dated: 28/6/2024

( ---- )

## COMPRESSION TEST REPORT



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

Specimens received on: 04-07-24 Tested on: 10-07-24 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	Uni-Block, Grey, 80mm	---	---	---	3.2 thick	---	4880	37.39	109	6530	---	---
2	Uni-Block, Red, 80mm	---	---	---	3.2 thick	---	5050	37.39	95	5691	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory