



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

8128

Dr. Nauman

To: Engr. Muhammad Nayyab Khalid (Planning and Monitoring Engineer)
Matrix Management Pvt. Ltd. Lahore
Project: Construction of an Office Building Kot Lakhpat, Lahore

Our Ref. No. CL/CED/ 7468 Dated: 08-03-19

Your Ref. No. QA/MMPL-1/2019/07 Dated: 19-02-19

COMPRESSION TEST REPORT

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

Specimens received on: 20-02-19 Tested on: 07-03-19 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	2019	6Diax12	13.6	28.28	65	5150	Non Engraved
2	(1 : 2 : 4)	11	2	2019	6Diax12	13.8	28.28	71	5630	Non Engraved
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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

8158

Dr. Nauman

To: Engr. Muhammad Nayyab Khalid (Planning and Monitoring Engineer)
Matrix Management Pvt. Ltd. Lahore
Project: Construction of an Office Building Kot Lakhpat, Lahore

Our Ref. No. CL/CED/ 7469 Dated: 08-03-19

Your Ref. No. QA/MMPL-1/2019/08 Dated: 25-02-19

COMPRESSION TEST REPORT

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

Specimens received on: 25-02-19 Tested on: 07-03-19 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)	18	2	2019	6Diax12	14	28.28	65	5150	Non Engraved
2	(1 : 2 : 4)	18	2	2019	6Diax12	14	28.28	65	5150	Non Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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8195

To: **Brig. Retd. Saeed Ahmed Malik SI(M) (Resident Engineer)**

Engr. Aamina

H&TE Div., NESPAK Pvt. Ltd. Lahore

Project: (Metropolitan Corporation Lahore) Rehab. of Road & Raising of Manhole Cover Allied at Area Near Urdu Bazar, Lahore

Our Ref. No. CL/CED/

7470

Dated:

08-03-19

Your Ref. No.

3071/BSAM/104/2281

Dated:

15-12-18

COMPRESSION TEST REPORT

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

Specimens received on:

04-03-19

Tested on:

05-03-19

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	Rectangular Grey		7.8x3.8x3.1	3790	29.64	106	8020	
2	Rectangular Grey		7.8x3.8x3.1	3856	29.64	109	8240	
3	Rectangular Grey		7.8x3.8x3.1	3786	29.64	94	7110	
4	Rectangular Grey		7.8x3.8x3.1	3851	29.64	108	8170	
5	Rectangular Grey		7.8x3.8x3.1	3899	29.64	106	8020	
6	Rectangular Grey		7.8x3.8x3.1	3914	29.64	113	8540	
7	Rectangular Grey		7.8x3.8x3.1	3884	29.64	111	8390	
8	Rectangular Grey		7.8x3.8x3.1	3820	29.64	107	8090	
9	Rectangular Grey		7.8x3.8x3.1	3926	29.64	114	8620	
10	Rectangular Grey		7.8x3.8x3.1	3820	29.64	107	8090	
11	Rectangular Grey		7.8x3.8x3.1	3799	29.64	112	8470	
12	Rectangular Grey		7.8x3.8x3.1	3826	29.64	106	8020	
13	Rectangular Grey		7.8x3.8x3.1	3855	29.64	81	6130	
14	Rectangular Grey		7.8x3.8x3.1	3851	29.64	108	8170	
15	Rectangular Grey		7.8x3.8x3.1	3901	29.64	106	8020	
16	Rectangular Grey		7.8x3.8x3.1	3789	29.64	90	6810	

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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

8124

To: **Muhammad Saleem Bhatti (Resident Engineer)**

Engr. Aamina

AZ Engineering Associates, Kamoki

Project: (L=7.02KM) Improvement of Road From Tatlay Aali-Nowshera Virkan Road to Bhady & Bhady to Kotli Mansoo Via Tatlay Aali (Tatlay Aali Bypass Eastern Side) Nowshera Virkan, Gujranwala

Our Ref. No.

CL/CED/

7471

Dated:

08-03-19

Your Ref. No.

AZEA/REKMK/732

Dated:

16-02-19

COMPRESSION TEST REPORT

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

Specimens received

on:

20-02-19

Tested on:

05-03-19

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	SS			3534	8.7x4.3x2.9	3226	37.41	53	3180	9.54
2	SS			3522	8.7x4.2x2.8	3146	36.54	53	3250	11.95
3	SS			3629	8.8x4.2x2.9	3196	36.96	34	2070	13.54
4	SS			3549	8.8x4.2x2.9	3182	36.96	43	2610	11.53
5	SS			3606	8.7x4.1x2.8	3196	35.67	37	2330	13.24
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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

8114

Dr. Nauman

To: **Muhammad Bilal (Construction Manager)**

IIW-Industrial Engineers & Contractors

Project: Construction of Bulk Oil Storage Installation at Machike-C District Sheikhpura

Our Ref. No. CL/CED/ 7472 Dated: 08-03-19

Your Ref. No. Nil Dated: 08-02-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-19 Tested on: 08-03-19 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	W. Tank Wall	2	1	2019	6x6x6	8.6	36	61	3800	Non Engraved
2	W. Tank Wall	2	1	2019	6x6x6	8.6	36	85	5290	Non Engraved
3	W. Tank Wall	2	1	2019	6x6x6	8.6	36	79	4920	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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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

8114
Dr. Nauman

To: Muhammad Bilal (Construction Manager)
IIW-Industrial Engineers & Contractors
Project: Construction of Bulk Oil Storage Installation at Machike-C District Sheikhpura

Our Ref. No. CL/CED/ 7473 Dated: 08-03-19

Your Ref. No. Nil Dated: 08-02-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-19 Tested on: 08-03-19 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	2019						
1	Gate Office B.&S.	1	1	2019	6x6x6	8	36	25	1560	Non Engraved
2	Gate Office B.&S.	1	1	2019	6x6x6	9	36	61	3800	Non Engraved
3	Gate Office B.&S.	1	1	2019	6x6x6	9	36	63	3920	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

8114

Dr. Nauman

To: **Muhammad Bilal (Construction Manager)**

IIW-Industrial Engineers & Contractors

Project: Construction of Bulk Oil Storage Installation at Machike-C District Sheikhpura

Our Ref. No. CL/CED/ 7474 Dated: 08-03-19

Your Ref. No. Nil Dated: 08-02-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-19 Tested on: 08-03-19 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	MCC Building	5	1	2019	6x6x6	9	36	55	3430	Non Engraved
2	MCC Building	5	1	2019	6x6x6	8.8	36	65	4050	Non Engraved
3	MCC Building	5	1	2019	6x6x6	8.5	36	93	5790	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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Director/Dy. Director Concrete Laboratory



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

8114
Dr. Nauman

To: Muhammad Bilal (Construction Manager)
IIW-Industrial Engineers & Contractors
Project: Construction of Bulk Oil Storage Installation at Machike-C District Sheikhpura

Our Ref. No. CL/CED/ 7475 Dated: 08-03-19

Your Ref. No. Nil Dated: 08-02-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-19 Tested on: 08-03-19 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	Security Posts	6	1	2019	6x6x6	9	36	67	4170	Non Engraved
2	Security Posts	6	1	2019	6x6x6	9	36	55	3430	Non Engraved
3	Security Posts	6	1	2019	6x6x6	8.4	36	61	3800	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Phone Nos. 042-99029202, 042-99029217

8187

Dr. Nauman

To: Engr. Nadeem Mahmood
Civil & Urban Engineers, Lahore
Project: Building at Sundar Industrial Estate Lahore

Our Ref. No. CL/CED/ 7476-1 of 2 Dated: 08-03-19

Your Ref. No. Nil Dated: 01-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 04-03-19 Tested on: 08-03-19 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	5 (1 : 2 : 4)	15	1	2019	6x6x6	8.6	36	69	4300	Engraved
2	F-4 (1 : 2 : 4)	15	1	2019	6x6x6	8.4	36	67	4170	Engraved
3	(1 : 2 : 4)	20	1	2019	6x6x6	8.4	36	73	4550	Engraved
4	F-7 (1 : 2 : 4)	20	1	2019	6x6x6	8.6	36	67	4170	Engraved
5	(1 : 2 : 4)	7	2	2019	6x6x6	8.4	36	67	4170	Engraved
6	(1 : 2 : 4)	7	2	2019	6x6x6	8.4	36	75	4670	Non Engraved
7	F-10 (1 : 1.5 : 3)	7	2	2019	6x6x6	8.4	36	73	4550	Non Engraved
8	F-8 (1 : 1.5 : 3)	7	2	2019	6x6x6	8.4	36	61	3800	Non Engraved
9	10 (1 : 1.5 : 3)	17	1	2019	6x6x6	8.4	36	69	4300	Engraved
10	(1 : 1.5 : 3)	17	1	2019	6x6x6	8.4	36	62	3860	Engraved
11	(1 : 1.5 : 3)	18	1	2019	6x6x6	8.4	36	69	4300	Engraved
12	(1 : 1.5 : 3)	19	1	2019	6x6x6	8.6	36	75	4670	Engraved
13	(1 : 1.5 : 3)	19	1	2019	6x6x6	8.6	36	73	4550	Engraved
14	(1 : 1.5 : 3)	22	1	2019	6x6x6	8.4	36	75	4670	Engraved
15	(1 : 1.5 : 3)	22	1	2019	6x6x6	8.4	36	73	4550	Engraved
End	---	---	---	---	---	---	---	---	---	---

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Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
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Phone Nos. 042-99029202, 042-99029217

8187
Dr. Nauman

To: Engr. Nadeem Mahmood
Civil & Urban Engineers, Lahore
Project: Building at Sundar Industrial Estate Lahore

Our Ref. No. CL/CED/ 7476-2 of 2 Dated: 08-03-19
Your Ref. No. Nil Dated: 01-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 04-03-19 Tested on: 08-03-19 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)								
16	(1 : 1.5 :3)	23	1	2019	6x6x6	8.4	36	87	5420	Engraved
17	(1 : 1.5 :3)	23	1	2019	6x6x6	8.6	36	81	5040	Engraved
18	(1 : 1.5 :3)	24	1	2019	6x6x6	8.4	36	79	4920	Engraved
19	(1 : 1.5 :3)	24	1	2019	6x6x6	8.4	36	83	5170	Engraved
End	---	---	---	---	---	---	---	---	---	---
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Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
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Phone Nos. 042-99029202, 042-99029217

8184
Dr. Nauman

To: Shahzad Mahmood
Memar Associates, Faisalabad
Project: M.C.B Barsuma Branch Mandi Bahaudin

Our Ref. No. CL/CED/ 7477 Dated: 08-03-19

Your Ref. No. Memar/RC/MCB/05 Dated: 28-02-19

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-19 Tested on: 08-03-19 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	Slab	28	1	2019	6x6x6	8.3	36	67	4170	Non Engraved
2	Slab	28	1	2019	6x6x6	8	36	69	4300	Non Engraved
3	Foundation	28	1	2019	6x6x6	8.4	36	77	4800	Non Engraved
4	Foundation	28	1	2019	6x6x6	8.2	36	59	3680	Non Engraved
5	Column	28	1	2019	6x6x6	8.4	36	63	3920	Non Engraved
6	Column	28	1	2019	6x6x6	8.4	36	59	3680	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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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

8184
Dr. Nauman

To: Shahzad Mahmood
Memar Associates, Faisalabad
Project: M.C.B Barsuma Branch Mandi Bahaudin

Our Ref. No. CL/CED/ 7478 Dated: 08-03-19

Your Ref. No. Memar/RC/MCB/06 Dated: 28-02-19

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-19 Tested on: 08-03-19 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	Column	20	1	2019	6x6x6	8.4	36	79	4920	Non Engraved
2	Column	20	1	2019	6x6x6	8.4	36	79	4920	Non Engraved
3	Slab	20	1	2019	6x6x6	8	36	73	4550	Non Engraved
4	Slab	20	1	2019	6x6x6	8.2	36	67	4170	Non Engraved
5	Foundation	20	1	2019	6x6x6	8.4	36	65	4050	Non Engraved
6	Foundation	20	1	2019	6x6x6	8.4	36	69	4300	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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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

8149
Dr. Nauman

To: Noor Ahmed Chowdhry (Chief Executive)
Unique Engineering Consultants, Lahore
Project:

Our Ref. No. CL/CED/ 7479-1 of 2 Dated: 08-03-19

Your Ref. No. Nil Dated: 01-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 25-02-19 Tested on: 08-03-19 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		14	1	2019	6x6x6	8.4	36	71	4420	Non Engraved
2		10	1	2019	6x6x6	8	36	49	3050	Engraved
End	---	---	---	---	---	---	---	---	---	---
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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

8149
Dr. Nauman

To: Noor Ahmed Chowdhry (Chief Executive)
Unique Engineering Consultants, Lahore
Project:

Our Ref. No. CL/CED/ 7479-2 of 2 Dated: 08-03-19

Your Ref. No. Nil Dated: 01-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 25-02-19 Tested on: 08-03-19 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		10	1	2019	6Diax12	12.4	28.28	27	2140	Non Engraved
2		10	1	2019	6Diax12	12.4	28.28	21	1670	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departement?RID=testing_reports&id=6

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supervisor(lab)

Director/Dy. Director Concrete Laboratory