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.

4340
Dr. Yousaf

To: Mr. Muhammad Waris Jan
Asst, Manager (QA/QC), ENGINEERING KINETICS (Pvt) Ltd

Project: CFB De Sulphurization System at Line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 531 **Dated: 02-12-22** **Test Specification**

Your Ref. No. Nil **Dated: 30/11/2022** **(ASTM C39)**

COMPRESSION TEST REPORT

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

Specimens received on: 01/12/2022 Tested on: 02-12-22 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	F04 Raft Fndn (3000 Psi)	5	9	2022	6Diax12	---	13.8	28.28	68	5386	---	Non Engraved
2	F04 Raft Fndn (3000 Psi)	5	9	2022	6Diax12	---	13.2	28.28	40	3168	---	Non Engraved
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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
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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To: Mr. Muhammad Waris Jan
Asst, Manager (QA/QC), ENGINEERING KINETICS (Pvt) Ltd

Project: CFB De Sulphurization System at Line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 532 **Dated: 02-12-22** **Test Specification**

Your Ref. No. Nil **Dated: 30/11/2022** **(ASTM C39)**

COMPRESSION TEST REPORT

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

Specimens received on: 01/12/2022 **Tested on:** 02-12-22 **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	F02 Raft Fndn (3000 Psi)	3	9	2022	6Diax12	---	14	28.28	78	6178	---	Non Engraved
2	F02 Raft Fndn (3000 Psi)	3	9	2022	6Diax12	---	14	28.28	61	4832	---	Non Engraved
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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
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.

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To: Mr. Muhammad Waris Jan
Asst, Manager (QA/QC), ENGINEERING KINETICS (Pvt) Ltd

Project: CFB De Sulphurization System at Line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 533 **Dated:** 02-12-22 **Test Specification**

Your Ref. No. Nil **Dated:** 30/11/2022 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 01/12/2022 **Tested on:** 02-12-22 **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	Hopper Wall Second Layer	22	11	2022	6x6x6	---	8.2	36	75	4667	---	Non Engraved
2	Hopper Wall Second Layer	22	11	2022	6x6x6	---	8.2	36	95	5911	---	Non Engraved
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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
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.

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Dr. Yousaf

To: Mr. Muhammad Waris Jan
Asst, Manager (QA/QC), ENGINEERING KINETICS (Pvt) Ltd

Project: CFB De Sulphurization System at Line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 534 **Dated: 02-12-22** **Test Specification**

Your Ref. No. Nil **Dated: 30/11/2022** **(BS 1881-116)**

COMPRESSION TEST REPORT

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

Specimens received on: 01/12/2022 Tested on: 02-12-22 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	Hopper Wall First Layer	2	11	2022	6x6x6	---	8.6	36	108	6720	---	Non Engraved
2	Hopper Wall First Layer	2	11	2022	6x6x6	---	8.6	36	65	4044	---	Non Engraved
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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
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.

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To: Mr. Muhammad Waris Jan
Asst, Manager (QA/QC), ENGINEERING KINETICS (Pvt) Ltd

Project: CFB De Sulphurization System at Line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 535 **Dated: 02-12-22** **Test Specification**

Your Ref. No. Nil **Dated: 30/11/2022** **(BS 1881-116)**

COMPRESSION TEST REPORT

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

Specimens received on: 01/12/2022 Tested on: 02-12-22 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	Bucket Elevator Wall	30	10	2022	6x6x6	---	8.4	36	84	5227	---	Non Engraved
2	Bucket Elevator Wall	30	10	2022	6x6x6	---	8.4	36	78	4853	---	Non Engraved
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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
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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Project: CFB De Sulphurization System at Line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 536 **Dated: 02-12-22** **Test Specification**

Your Ref. No. Nil **Dated: 30/11/2022** **(BS 1881-116)**

COMPRESSION TEST REPORT

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

Specimens received on: 01/12/2022 Tested on: 02-12-22 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	Hopper Slab 03	22	10	2022	6x6x6	---	8.8	36	60	3733	---	Non Engraved
2	Hopper Slab 03	22	10	2022	6x6x6	---	8.4	36	89	5538	---	Non Engraved
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Project: CFB De Sulphurization System at Line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 537 **Dated: 02-12-22** **Test Specification**

Your Ref. No. Nil **Dated: 30/11/2022** **(BS 1881-116)**

COMPRESSION TEST REPORT

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

Specimens received on: 01/12/2022 Tested on: 02-12-22 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	F04 Wall (4000 Psi)	25	10	2022	6x6x6	---	8.6	36	64	3982	---	Non Engraved
2	F04 Wall (4000 Psi)	25	10	2022	6x6x6	---	8.4	36	80	4978	---	Non Engraved
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Project: CFB De Sulphurization System at Line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 538 **Dated:** 02-12-22 **Test Specification**

Your Ref. No. Nil **Dated:** 30/11/2022 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 01/12/2022 **Tested on:** 02-12-22 **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	Hopper Column (4000 Psi)	22	10	2022	6x6x6	---	8.8	36	101	6284	---	Non Engraved
2	Hopper Column (4000 Psi)	22	10	2022	6x6x6	---	8.8	36	68	4231	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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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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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.

4340
Dr. Yousaf

To: Mr. Muhammad Waris Jan
Asst, Manager (QA/QC), ENGINEERING KINETICS (Pvt) Ltd

Project: CFB De Sulphurization System at Line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 539 **Dated: 02-12-22** **Test Specification**

Your Ref. No. Nil **Dated: 30/11/2022** **(BS 1881-116)**

COMPRESSION TEST REPORT

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

Specimens received on: 01/12/2022 Tested on: 02-12-22 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	F03 Column (4000 Psi)	2	11	2022	6x6x6	---	8.4	36	65	4044	---	Non Engraved
2	F03 Column (4000 Psi)	2	11	2022	6x6x6	---	8.8	36	107	6658	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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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
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
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ORIGINAL
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4340
Dr. Yousaf

To: Mr. Muhammad Waris Jan
Asst, Manager (QA/QC), ENGINEERING KINETICS (Pvt) Ltd

Project: CFB De Sulphurization System at Line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 540 **Dated: 02-12-22** **Test Specification**

Your Ref. No. Nil **Dated: 30/11/2022** **(BS 1881-116)**

COMPRESSION TEST REPORT

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

Specimens received on: 01/12/2022 Tested on: 02-12-22 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	F03 Fndn (3000 Psi)	26	10	2022	6x6x6	---	8.4	36	70	4356	---	Non Engraved
2	F03 Fndn (3000 Psi)	26	10	2022	6x6x6	---	8.8	36	80	4978	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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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
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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4340
Dr. Yousaf

To: Mr. Muhammad Waris Jan
Asst, Manager (QA/QC), ENGINEERING KINETICS (Pvt) Ltd

Project: CFB De Sulphurization System at Line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 541 **Dated: 02-12-22** **Test Specification**

Your Ref. No. Nil **Dated: 30/11/2022** **(BS 1881-116)**

COMPRESSION TEST REPORT

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

Specimens received on: 01/12/2022 Tested on: 02-12-22 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	Bucket Elevator Raft Foundation	15	10	2022	6x6x6	---	8.6	36	71	4418	---	Non Engraved
2	Bucket Elevator Raft Foundation	15	10	2022	6x6x6	---	8.6	36	73	4542	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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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
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)
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4340
Dr. Yousaf

To: Mr. Muhammad Waris Jan
Asst, Manager (QA/QC), ENGINEERING KINETICS (Pvt) Ltd

Project: CFB De Sulphurization System at Line-3 (Pioneer Cement)

Our Ref. No. CL/CED/ 542 **Dated: 02-12-22** **Test Specification**

Your Ref. No. Nil **Dated: 30/11/2022** **(BS 1881-116)**

COMPRESSION TEST REPORT

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

Specimens received on: 01/12/2022 **Tested on:** 02-12-22 **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	Hopper Raft Foundation	11	10	2022	6x6x6	---	8.8	36	55	3422	---	Non Engraved
2	Hopper Raft Foundation	11	10	2022	6x6x6	---	8.6	36	51	3173	---	Non Engraved
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Witnessed by:

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

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ORIGINAL
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4345
Dr.Rizwan Riaz

To: Mr. Arfan Nazir
Manager Civil, NISHAT MILLS LIMITED

Project: Construction of Nishat Sititching Bath Division U-95. (Contractor: Ittefaq Building Solution)

Our Ref. No. CL/CED/ 543 **Dated:** 02-12-22 **Test Specification**

Your Ref. No. NDF/CT/005 **Dated:** 30/11/2022 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 02/12/2022 **Tested on:** 02-12-22 **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	C-30 (GF Slab 11'~14 /A~C)	25	11	2022	6x6x6	---	8	36	85	5289	---	Non Engraved
2	C-30 (GF Slab 11'~14 /A~C)	25	11	2022	6x6x6	---	8.2	36	88	5476	---	Non Engraved
3	C-30 (GF Slab 11'~14 /A~C)	25	11	2022	6x6x6	---	8	36	71	4418	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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ORIGINAL
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4343
Dr. Yousaf

To: Engr. Pervaiz
Resident Engineer, New Vision Engineering Consultant, Lahore

Project: Construction of RCC OVER HEAD WATER TANK AT M-BLOCK QUAID-E-AZAM INDUSTRIAL ESTATE KOT LAKHPAT Lahore.

Our Ref. No. CL/CED/ 544 Dated: 02-12-22 Test Specification

Your Ref. No. NVEC/RE/GSWR/05 Dated: 01-12-22 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 02/12/2022 Tested on: 02-12-22 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	3000 Psi	26	10	2022	6Diax12	---	13.8	28.28	44	3485	---	Non Engraved
2	3000 Psi	26	10	2022	6Diax12	---	14	28.28	63	4990	---	Non Engraved
3	3000 Psi	26	10	2022	6Diax12	---	13.6	28.28	58	4594	---	Non Engraved
4	3000 Psi	26	10	2022	6Diax12	---	13.6	28.28	64	5069	---	Non Engraved
5	3000 Psi	26	10	2022	6Diax12	---	13.4	28.28	45	3564	---	Non Engraved
6	3000 Psi	26	10	2022	6Diax12	---	13.2	28.28	43	3406	---	Non Engraved
7		---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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Dr. Yousaf

To: Engr. Pervaiz
Resident Engineer, New Vision Engineering Consultant, Lahore

Project: Construction of RCC OVER HEAD WATER TANK AT M-BLOCK QUAID-E-AZAM INDUSTRIAL ESTATE KOT LAKHPAT Lahore

Our Ref. No. CL/CED/ 545 Dated: 02-12-22 Test Specification

Your Ref. No. NVEC/RE/GSWR/06 Dated: 01-12-22 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 02/12/2022 Tested on: 02-12-22 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	2	11	2022	6Diax12	---	13.4	28.28	53	4198	---	Non Engraved
2	4000 Psi	2	11	2022	6Diax12	---	13.4	28.28	47	3723	---	Non Engraved
3	4000 Psi	2	11	2022	6Diax12	---	13	28.28	66	5228	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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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ORIGINAL
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4339
Dr. Yousaf

To: Mr. Muhammad Zubair Ahmed
A/XEN (B&R) for GE (Navy) Lahore.

Project: CA No. ENC-N-72/2021- CONST OF CHILDREN SCHOOL (G+1 WITH G+3 FOUNDATION) AT WALTON LAHORE.

Our Ref. No. CL/CED/ 546 Dated: 02-12-22 Test Specification

Your Ref. No. 6023/988/90/E-6 Dated: 29/11/2022 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 01/12/2022 Tested on: 02-12-22 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	GF Columns	22	10	2022	6Diax12	---	14	28.28	78	6178	---	Non Engraved
2	GF Columns	22	10	2022	6Diax12	---	13.8	28.28	65	5149	---	Non Engraved
3	GF Columns	22	10	2022	6Diax12	---	14	28.28	78	6178	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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.

4279
Engr. Ubaid

To: **Best Builders, Engineer & Constructor**
324-Q, Model Town Ext. Lahore.

Project: Construction of High School Korian Cantt. Area, Lahore.

Our Ref. No. CL/CED/ 547 **Dated: 02-12-22** **Test Specification**

Your Ref. No. Nil **Dated: 18-11-22** **(BS 3921**)**

COMPRESSION TEST REPORT

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

Specimens received on: 18/11/2022 Tested on: 01-12-22 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	SH	---	---	---	8.7 x 4.3 x 2.9	3530	3190	37.41	45	2694	10.66	---
2	SH	---	---	---	8.7 x 4.3 x 2.9	3720	3375	37.41	48	2874	10.22	---
3	SH	---	---	---	8.6 x 4.3 x 2.9	3445	3095	36.98	37	2241	11.31	---
4	SH	---	---	---	8.8 x 4.2 x 2.9	3540	3140	36.96	37	2242	12.74	---
5	SH	---	---	---	8.6 x 4.3 x 3	3505	3135	36.98	45	2726	11.8	---
6	SH	---	---	---	8.7 x 4.3 x 2.9	3635	3285	37.41	41	2455	10.65	---
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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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)
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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.

4282
Engr. Ubaid

To: Deputy Director Engg., LDA.
Lahore Development Authority UD.Wing

Project: Construction of Walk n Shop Park at M. A. Johar Town Lahore.

Our Ref. No. CL/CED/ 548 **Dated: 02-12-22** **Test Specification**

Your Ref. No. DDE/LDA/50 **Dated: 18-11-22** **(----)**

COMPRESSION TEST REPORT

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

Specimens received on: 18/11/2022 Tested on: 01-12-22 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	R1	---	---	---	8.6 x 4.3 x 2.9	---	3120	36.98	45	2726	---	Used Brick
2	R1	---	---	---	8.7 x 4.2 x 3	---	3190	36.54	43	2636	---	Used Brick
3	R1	---	---	---	8.6 x 4.3 x 3	---	3135	36.98	41	2484	---	Used Brick
4	A9	---	---	---	8.6 x 4.1 x 2.9	---	3250	35.26	41	2605	---	Used Brick
5	A9	---	---	---	8.8 x 4.4 x 2.9	---	3235	38.72	34	1967	---	Used Brick
6	A9	---	---	---	8.7 x 4.2 x 2.8	---	3005	36.54	41	2513	---	Used Brick
7	IC	---	---	---	8.8 x 4.2 x 3	---	3135	36.96	37	2242	---	Used Brick
8	IC	---	---	---	8.8 x 4.1 x 2.9	---	2995	36.08	41	2545	---	Used Brick
9	IC	---	---	---	8.8 x 4.2 x 2.9	---	3000	36.96	35	2121	---	Used Brick
10	DG	---	---	---	8.8 x 4.3 x 3	---	3310	37.84	60	3552	---	Used Brick
11	DG	---	---	---	8.7 x 4.3 x 2.9	---	3305	37.41	35	2096	---	Used Brick
12	DG	---	---	---	8.9 x 4.3 x 3	---	3400	38.27	37	2166	---	Used Brick
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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