# 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.

7618
Dr. Aqsa

**To:** Mr. Muhammad Hassnain Jaffar
Project Manager, 7 Canal Developers

**Project:** 7 Canal Residential Apartment Buildings

Our Ref. No. CL/CED/ 5606 Dated: 20-08-24

Your Ref. No. Nil Dated: 15-08-24

**Test Specification**
( ASTM C39 )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 15-08-24 Tested on: 20-08-24 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 | --- | 7 | 8 | 2024 | 6Diax12 | --- | 14.2 | 28.28 | 47 | 3723 | --- | Non Engraved |
| 2 | --- | 7 | 8 | 2024 | 6Diax12 | --- | 15 | 28.28 | 49 | 3881 | --- | Non Engraved |
| 3 | --- | 7 | 8 | 2024 | 6Diax12 | --- | 15 | 28.28 | 35 | 2772 | --- | Non Engraved |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Witnessed by: Mr. Shabbir Hussain**

**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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7595
Dr. Aqsa

**To:** Mr. Muzaffar Ahmed
Resident Engineer, G3 Engineering Consultants Pvt. Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component).
Construction of Female Faculty Hostel (Portion B)

Our Ref. No. CL/CED/ 5607 Dated: 20-08-24 **Test Specification**

Your Ref. No. G3/UON-RE/546 Dated: 07-08-24 ( ASTM C39 )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on:** 12-08-24 **Tested on:** 20-08-24 **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 | 1st Floor Column (4000 Psi) | 2 | 7 | 2024 | 6Diax12 | --- | 13 | 28.28 | 62 | 4911 | --- | Engraved |
| 2 | 1st Floor Column (4000 Psi) | 2 | 7 | 2024 | 6Diax12 | --- | 13 | 28.28 | 58 | 4594 | --- | Engraved |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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-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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## Civil Engineering Department
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**ORIGINAL**
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7595
Dr. Aqsa

**To:** Mr. Muzaffar Ahmed
Resident Engineer, G3 Engineering Consultants Pvt. Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). Construction of Masjid, 1st Floor Column Portion A

Our Ref. No. CL/CED/ 5608 Dated: 20-08-24

Your Ref. No. G3/UON-RE/545 Dated: 07-08-24

**Test Specification**
( ASTM C39 )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 12-08-24 Tested on: 20-08-24 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 | Ground Floor Column (4000 Psi) | 2 | 7 | 2024 | 6Diax12 | --- | 13.4 | 28.28 | 34 | 2693 | --- | Engraved |
| 2 | Ground Floor Column (4000 Psi) | 2 | 7 | 2024 | 6Diax12 | --- | 14 | 28.28 | 56 | 4436 | --- | Engraved |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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-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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## Civil Engineering Department
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Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895


**ORIGINAL**
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7595
Dr. Aqsa

**To:** Mr. Muzaffar Ahmed
Resident Engineer, G3 Engineering Consultants Pvt. Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). Construction of Masjid Ground Floor Column Portion B.

Our Ref. No. CL/CED/ 5609 Dated: 20-08-24

Your Ref. No. G3/UON-RE/544 Dated: 07-08-24

**Test Specification**
( ASTM C39 )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 12-08-24 Tested on: 20-08-24 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 | Ground Floor Column (4000 Psi) | 28 | 6 | 2024 | 6Diax12 | --- | 14 | 28.28 | 63 | 4990 | --- | Engraved |
| 2 | Ground Floor Column (4000 Psi) | 28 | 6 | 2024 | 6Diax12 | --- | 13.4 | 28.28 | 56 | 4436 | --- | Engraved |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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-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)
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**Supervisor (Lab)** **Director/Dy. Director Concrete Laboratory**

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7595
Dr. Aqsa

**To:** Mr. Muzaffar Ahmed
Resident Engineer, G3 Engineering Consultants Pvt. Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component).
Construction of Male Faculty Hostel Plinth Beam

Our Ref. No. CL/CED/ 5610 Dated: 20-08-24

Your Ref. No. G3/UON-RE/547 Dated: 07-08-24

**Test Specification**
( ASTM C39 )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 12-08-24 Tested on: 20-08-24 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 | Columnn (4000 Psi) | 9 | 6 | 2024 | 6Diax12 | --- | 13.6 | 28.28 | 54 | 4277 | --- | Engraved |
| 2 | Columnn (4000 Psi) | 9 | 6 | 2024 | 6Diax12 | --- | 13.6 | 28.28 | 45 | 3564 | --- | Engraved |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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-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

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7595
Dr. Aqsa

**To:** Mr. Muzaffar Ahmed
Resident Engineer, G3 Engineering Consultants Pvt. Ltd.

Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). Ground Floor Slab of Masjid Portion B (Ground Floor Slab)

Our Ref. No. CL/CED/ 5611 Dated: 20-08-24 **Test Specification**

Your Ref. No. G3/UON-RE/543 Dated: 07-08-24 ( ASTM C39 )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on:** 12-08-24 **Tested on:** 20-08-24 **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 | Column (3000 Psi) | 10 | 7 | 2024 | 6Diax12 | --- | 13 | 28.28 | 37 | 2931 | --- | Engraved |
| 2 | Column (3000 Psi) | 10 | 7 | 2024 | 6Diax12 | --- | 13.2 | 28.28 | 40 | 3168 | --- | Engraved |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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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
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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**Supervisor (Lab)** **Director/Dy. Director Concrete Laboratory**

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## Civil Engineering Department
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Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895


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

7627
Dr. Aqsa

**To:** Mr. Noor Ul Huda
Quantity Surveyor, Professional Construction Services Pvt. Ltd.

Project: Construction of Allied Bank Ltd. Link Road, Lahore.

Our Ref. No. CL/CED/ 5612 Dated: 20-08-24

Your Ref. No. PCS/24/Eng-57 Dated: 16-08-24

**Test Specification**
( ASTM C39 )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 16-08-24 Tested on: 20-08-24 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 | Column | 19 | 7 | 2024 | 6Diax12 | --- | 14 | 28.28 | 56 | 4436 | --- | Non Engraved |
| 2 | Column | 19 | 7 | 2024 | 6Diax12 | --- | 13.6 | 28.28 | 45 | 3564 | --- | Non Engraved |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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

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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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Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895


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

**7603**
**Dr. Aqsa**

**To:** **Mr. Zeeshan Ibrahim**
**Manager Administration, Lockersmiths Pvt. Ltd.**

**Project: Nil**

**Our Ref. No. CL/CED/ 5613** **Dated: 20-08-24**

**Your Ref. No. LS-GLS-04-70** **Dated: 12-08-24**

**Test Specification**
**( ASTM C39 )**

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on:** 13-08-24 **Tested on:** 20-08-24 **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 | --- | 11 | 7 | 2024 | 6Diax12 | --- | 13 | 28.28 | 62 | 4911 | --- | Non Engraved |
| 2 | --- | 11 | 7 | 2024 | 6Diax12 | --- | 14 | 28.28 | 51 | 4040 | --- | Non Engraved |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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-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)
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**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.

7621
Dr. Aqsa

**To:** Mr. Nasir Mahmood
Construction Manager, ELITE Engineering Pvt. Ltd.

**Project:** Construction of PSO Fuel Dispensing Facility at PAK Railways Workshop, Lahore.

Our Ref. No. CL/CED/ 5614 Dated: 20-08-24

Your Ref. No. EEPL/10402/EL-08 Dated: 16-08-24

**Test Specification**
( BS 1881-116 )

# COMPRESSION TEST REPORT

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

Specimens received on: 16/8/2024 Tested on: 20-08-24 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 | 5 | 8 | 2024 | 6x6x6 | --- | 9 | 36 | 88 | 5476 | --- | Non Engraved |
| 2 | 3000 Psi | 5 | 8 | 2024 | 6x6x6 | --- | 9.2 | 36 | 102 | 6347 | --- | Non Engraved |
| 3 | 3000 Psi | 5 | 8 | 2024 | 6x6x6 | --- | 9.2 | 36 | 96 | 5973 | --- | Non Engraved |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Witnessed by: Mr. M. Mohsin Imran CNIC # 33203-6486846-7 & Mr. M. Saad Anees (PSO)**

**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

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**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.

7560
Dr. Aqsa

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

Project: Construction of DHA NewLife Residencia Apartments at 273/1 Q Block Phase-II DHA, Lahore.
(Contractor: M/s Ghousia Engineering & Construction Pvt. Ltd. Lahore)

Our Ref. No. CL/CED/ 5615 Dated: 20-08-24

Your Ref. No. G3/DHA/NLD/RE/247 Dated: 05-08-24

**Test Specification**
( BS 3921** )

# COMPRESSION TEST REPORT

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

Specimens received on: 06-08-24 Tested on: 20-08-24 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 | M | --- | --- | --- | 8.9 x 4.2 x 2.9 | 3780 | 3320 | 37.38 | 44 | 2637 | 13.86 | --- |
| 2 | M | --- | --- | --- | 9 x 4.2 x 3 | 3890 | 3410 | 37.8 | 45 | 2667 | 14.08 | --- |
| 3 | M | --- | --- | --- | 9 x 4.2 x 2.9 | 3870 | 3460 | 37.8 | 44 | 2607 | 11.85 | --- |
| 4 | M | --- | --- | --- | 8.9 x 4.3 x 3 | 3710 | 3440 | 38.27 | 49 | 2868 | 7.85 | --- |
| 5 | M | --- | --- | --- | 8.8 x 4.2 x 2.9 | 3790 | 3460 | 36.96 | 44 | 2667 | 9.54 | --- |
| 6 | M | --- | --- | --- | 9 x 4.4 x 2.9 | 3910 | 3720 | 39.6 | 43 | 2432 | 5.11 | --- |
| 7 | R2 | --- | --- | --- | 8.9 x 4.3 x 3 | 3840 | 3415 | 38.27 | 49 | 2868 | 12.45 | --- |
| 8 | R2 | --- | --- | --- | 8.8 x 4.3 x 3 | 3790 | 3455 | 37.84 | 36 | 2131 | 9.7 | --- |
| 9 | R2 | --- | --- | --- | 8.9 x 4.2 x 3 | 3805 | 3410 | 37.38 | 36 | 2157 | 11.58 | --- |
| 10 | R2 | --- | --- | --- | 8.8 x 4.3 x 2.9 | 3850 | 3390 | 37.84 | 47 | 2782 | 13.57 | --- |
| 11 | R2 | --- | --- | --- | 8.9 x 4.3 x 2.9 | 3840 | 3430 | 38.27 | 47 | 2751 | 11.95 | --- |
| 12 | R2 | --- | --- | --- | 8.8 x 4.3 x 3 | 3770 | 3375 | 37.84 | 35 | 2072 | 11.7 | --- |
| 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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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

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**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.

7531
Dr. Aqsa

**To:** Mr. Safdar Rashid
Resident Engineer, Consulting Engineers - Architecture & Planninig Division. NESPAK (Pvt.) Ltd.

Project: Construction of Residences, Day Care Center & Dispensary at KBCMA College of Veterinary and Animal Sciences Narowal Campus. (Contractor: M/S RIZCON Engineering)

Our Ref. No. CL/CED/ 5616-1 of 2 Dated: 20-08-24

Your Ref. No. 4650/311/SR/21 Dated: 30-07-24

**Test Specification**
( BS 3921** )

# COMPRESSION TEST REPORT

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

Specimens received on: 31-07-24 Tested on: 20-08-24 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 | RZ | --- | --- | --- | 8.8 x 4.1 x 2.9 | 3600 | 3280 | 36.08 | 43 | 2670 | 9.76 | --- |
| 2 | RZ | --- | --- | --- | 8.7 x 4.1 x 2.9 | 3700 | 3420 | 35.67 | 48 | 3014 | 8.19 | --- |
| 3 | RZ | --- | --- | --- | 8.5 x 4.1 x 3 | 3690 | 3310 | 34.85 | 48 | 3085 | 11.48 | --- |
| 4 | RZ | --- | --- | --- | 8.6 x 4.1 x 3 | 3920 | 3520 | 35.26 | 49 | 3113 | 11.36 | --- |
| 5 | RZ | --- | --- | --- | 8.6 x 4.1 x 3 | 3830 | 3450 | 35.26 | 47 | 2986 | 11.01 | --- |
| 6 | RZ | --- | --- | --- | 8.6 x 4.2 x 3 | 3820 | 3510 | 36.12 | 51 | 3163 | 8.83 | --- |
| 7 | RZ | --- | --- | --- | 8.8 x 4.2 x 3 | 3870 | 3440 | 36.96 | 47 | 2848 | 12.5 | --- |
| 8 | RZ | --- | --- | --- | 8.7 x 4.1 x 3 | 3850 | 3430 | 35.67 | 49 | 3077 | 12.24 | --- |
| 9 | RZ | --- | --- | --- | 8.8 x 4.1 x 3 | 3800 | 3520 | 36.08 | 46 | 2856 | 7.95 | --- |
| 10 | RZ | --- | --- | --- | 8.8 x 4.2 x 3 | 3860 | 3540 | 36.96 | 40 | 2424 | 9.04 | --- |
| 11 | RZ | --- | --- | --- | 8.8 x 4.2 x 3 | 3920 | 3570 | 36.96 | 49 | 2970 | 9.8 | --- |
| 12 | RZ | --- | --- | --- | 8.8 x 4.2 x 3 | 3910 | 3620 | 36.96 | 37 | 2242 | 8.01 | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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**ORIGINAL**
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7531
Dr. Aqsa

**To:** Mr. Safdar Rashid
Resident Engineer, Consulting Engineers - Architecture & Planninig Division. NESPAK (Pvt.) Ltd.

Project: Construction of Residences, Day Care Center & Dispensary at KBCMA College of Veterinary and Animal Sciences Narowal Campus. (Contractor: M/S RIZCON Engineering)

Our Ref. No. CL/CED/ 5616-2 of 2 Dated: 20-08-24

Your Ref. No. 4650/311/SR/21 Dated: 30-07-24

Test Specification
( BS 3921** )

# COMPRESSION TEST REPORT

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

Specimens received on: 31-07-24 Tested on: 20-08-24 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 | S | --- | --- | --- | 9 x 4.2 x 3 | 3995 | 3480 | 37.8 | 44 | 2607 | 14.8 | --- |
| 2 | S | --- | --- | --- | 8.9 x 4.1 x 3 | 3825 | 3360 | 36.49 | 41 | 2517 | 13.84 | --- |
| 3 | S | --- | --- | --- | 9 x 4.2 x 3 | 3770 | 3530 | 37.8 | 38 | 2252 | 6.8 | --- |
| 4 | S | --- | --- | --- | 8.9 x 4.2 x 3 | 3880 | 3385 | 37.38 | 28 | 1678 | 14.62 | --- |
| 5 | S | --- | --- | --- | 8.9 x 4.2 x 3 | 3770 | 3310 | 37.38 | 34 | 2037 | 13.9 | --- |
| 6 | S | --- | --- | --- | 9 x 4.2 x 3 | 3880 | 3470 | 37.8 | 27 | 1600 | 11.82 | --- |
| 7 | S | --- | --- | --- | 8.9 x 4.1 x 3 | 3770 | 3420 | 36.49 | 46 | 2824 | 10.23 | --- |
| 8 | S | --- | --- | --- | 9 x 4.2 x 3 | 3790 | 3410 | 37.8 | 29 | 1719 | 11.14 | --- |
| 9 | S | --- | --- | --- | 9 x 4.2 x 3 | 3950 | 3540 | 37.8 | 33 | 1956 | 11.58 | --- |
| 10 | S | --- | --- | --- | 9 x 4.2 x 3 | 3900 | 3560 | 37.8 | 34 | 2015 | 9.55 | --- |
| 11 | S | --- | --- | --- | 8.9 x 4.2 x 3 | 3810 | 3470 | 37.38 | 36 | 2157 | 9.8 | --- |
| 12 | S | --- | --- | --- | 9 x 4.2 x 3 | 3900 | 3420 | 37.8 | 38 | 2252 | 14.04 | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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**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.

7599
Dr. Aqsa

**To:** Mr. Abdul Rahman
House No. 514, Mohallah Ravi Block, Allama Iqbal Town, Lahore.

**Project:** Nil

**Our Ref. No.** CL/CED/ 5617 **Dated:** 20-08-24 **Test Specification**

**Your Ref. No.** Nil **Dated:** Nil ( ---- )

# COMPRESSION TEST REPORT

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

**Specimens received on:** 12-08-24 **Tested on:** 20-08-24 **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, 80mm | --- | --- | --- | 7.8 x 3.8 x 3 | --- | 3610 | 29.64 | 118 | 8918 | --- | --- |
| 2 | Rectangular, Grey, 80mm | --- | --- | --- | 7.8 x 3.8 x 3 | --- | 3555 | 29.64 | 92 | 6953 | --- | --- |
| 3 | Rectangular, Grey, 80mm | --- | --- | --- | 7.8 x 3.8 x 3 | --- | 3485 | 29.64 | 92 | 6953 | --- | --- |
| 4 | Rectangular, Grey, 80mm | --- | --- | --- | 7.8 x 3.8 x 3 | --- | 3555 | 29.64 | 93 | 7028 | --- | --- |
| 5 | Rectangular, Grey, 80mm | --- | --- | --- | 7.8 x 3.8 x 3 | --- | 3690 | 29.64 | 87 | 6575 | --- | --- |
| 6 | Rectangular, Red, 80mm | --- | --- | --- | 7.8 x 3.8 x 3 | --- | 3595 | 29.64 | 93 | 7028 | --- | --- |
| 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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**Supervisor (Lab)** **Director/Dy. Director Concrete Laboratory**