

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.

7977 Dr. M. Yousaf

To: Mr. Saeed Ahmad Khan

Sub Divisional Officer, Gulshan-e-Ravi Sub Division, WASA, LDA, Lahore.

Project:TENDER NO. XEN (O&M-I) GBT/2022-2023/55/4460-65. Dated:-21-12-2022 LAYING OF SEWER LINE FROM MAIN BOULEVARD GULSHAN-E-RAVI TO NOONARIAN CHOWK & LINKS STREETS IN UC-78 LHR.

Our Ref. No. CL/CED/ 6158-1 of 2 Dated: 15-10-24

Your Ref. No. GR/SD/971 Dated: 04-05-24

Test Specification

(----)

COMPRESSION TEST REPORT

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

Specimens received on: 09-10-24 Tested on: 14-10-24 in dry/wet condition





Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	М				8.8 x 4.2 x 3		3230	36.96	49	2970		
2	М				8.9 x 4.2 x 2.9		3250	37.38	44	2637	-	
3	М				8.9 x 4.2 x 2.9		3145	37.38	44	2637		
4	М				8.9 x 4.2 x 2.8		3250	37.38	41	2457	-	
5						BINE	RING					
6						READ IN	207				-	
7					1	OF THY LEGRO WHO CREATES	ر بجب ان فی خلق ر	E2		-	-	
8								3				
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10						LA	IORE.					
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. **** ACl318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

- 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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7938 Engr. A. Rehman

To: Sub Divisional Officer

Buildings Sub Division No. 11, Lahore

Project: Establishment of Safe City Girls Hostel at Lahore (Ground Floor Column)

Our Ref. No. CL/CED/ 6159 Dated: 15-10-24 <u>Test Specification</u>

Your Ref. No. 140/11th Dated: 24-09-24 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 03-10-24 Tested on: 04-10-24 in dry/wet condition



Sr. No.	Mark*		_	Date*	Size	Wet Weight		Area of X-Section		Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	OII (70)	
1	4000 Psi (1:1.5:3)	25	8	2024	6x6x6		9	36	85	5289		Non Engraved
2	4000 Psi (1:1.5:3)	25	8	2024	6x6x6		8.8	36	85	5289		Non Engraved
3												
4						/						
5						THE	RING					
6						READ IN	200	X				
7					È	OF THY HORD WHO CREATES	ر تیب ان کی خلق ر	E				
8												
9				-								
10						LA	IORE.					
11												
12												
13												
14												
15							-				-	
16												
Witness	ad by							ı		ı		

Witnessed by:

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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
- 4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

- 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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7938 Dr. M. Yousaf

To: Sub Divisional Officer

Buildings Sub Division No. 11, Lahore

Project: Establishment of Safe City Girls Hostel at Lahore (Raft Foundation and Footing Beam)

Our Ref. No. CL/CED/ 6160 Dated: 15-10-24 <u>Test Specification</u>

Your Ref. No. 132/11th Dated: 24-08-24 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 03-10-24 Tested on: 14-10-24 in dry/wet condition



Sr. No.	Mark*	Cas	Casting Date*		Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	3000 Psi (1:2:4)	22	7	2024	6x6x6		9	36	75	4667		Non Engraved
2	3000 Psi (1:2:4)	22	7	2024	6x6x6		9.2	36	70	4356		Non Engraved
3												
4						/						
5					(THILE	RING					
6) å	KEAU N	200	X				
7					- 7	OF THY	ان کی خلق ر ان کی خلق ر	==				
8								5-				
9						10		~ /				
10						LA	IORE.					
11												
12												
13										-		
14												
15										-		
16												
Witness	ed by:				•							

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

- 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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7938 Dr. M. Yousaf

(BS 1881-116)

To: Sub Divisional Officer

Buildings Sub Division No. 11, Lahore

Project: Establishment of Safe City Girls Hostel at Lahore (Beams & Slab First Floor)

Our Ref. No. CL/CED/ 6161 Dated: 15-10-24 <u>Test Specification</u>

Your Ref. No. 143/11th Dated: 25-09-24

COMPRESSION TEST REPORT

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

Specimens received on: 03-10-24 Tested on: 14-10-24 in dry/wet condition



Sr. No.	Mark*	Cas		Date*	Size (in)	Wet Weight	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	3000 Psi (1:2:4)	24	8	2024	6x6x6	(Ng/ gills)	9.4	36	(IIIIp. 1011s) 69	(psi) 4293		Non Engraved
2	3000 Psi (1:2:4)	24	8	2024	6x6x6		9	36	59	3671		Non Engraved
3												
4												
5						A CHINE	RINE					
6					}	READ N	207	X				
7						OF THY	ر تاب از کا خلاف	<u> </u>				
8								3				
9)		- 07	~ /				
10						-LA	IORE.					
11												
12												
13												
14												
15												
16												

Witnessed by:

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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
- 4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

- 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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> 7990 Dr. Aqsa

To: Major (Muhammad Umar)

For Commanding Officer, 18 Engineer Battalion Lahore Cantonment.

Project: Construction of Boundary Wall Mehfooz Shaheed Garrison.

Our Ref. No. CL/CED/ 6162 Dated: 15-10-24 <u>Test Specification</u>

Your Ref. No. 607-General Dated: 11-10-24

COMPRESSION TEST REPORT

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

Specimens received on: 11-10-24 Tested on: 15-10-24 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Pre-Cast Girder				2x2x1.7		305	4	6	3360		Cut Cube (No Steel Present)
2	Pre-Cast Girder				2x2x1.8		320	4	11	6160		Cut Cube (No Steel Present)
3	Pre-Cast Girder				2x2x1.9		360	4	8	4480		Cut Cube (No Steel Present)
4												
5					(THE	RING					
6						READ IN	200	X				
7					T E	OF THY LORD WHO CREATES	ر تجب الذي خلق ر	===				
8										-		
9						7,		~				
10						-LA	ORL					
11											-	
12												
13												
14												
15											-	
16												
Witness	Witnessed by:											

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

- 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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7949 Dr. Aqsa

To: Mr. Salman Latif

CEO, SAC ENGINEERING SERVICES

Project: UBL Cavalry Ground Lahore.

Our Ref. No. CL/CED/ 6163 Dated: 15-10-24 <u>Test Specification</u>

Your Ref. No. Nil Dated: 07-10-24 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 07-10-24 Tested on: 15-10-24 in dry/wet condition



Sr. No.	. No. Mark*		Casting Date* Siz			Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Third Floor Slab (3000 Psi)	25	9	2024	6Diax12		14	28.28	62	4911		Non Engraved
2	Third Floor Slab (3000 Psi)	25	9	2024	6Diax12		14	28.28	56	4436		Non Engraved
3	Third Floor Slab (3000 Psi)	25	9	2024	6Diax12		14	28.28	58	4594		Non Engraved
4												
5						HITTE	RING					
6						READ IN	207					
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8					887			5		I		
9								~				
10					-	LA	IORE.					
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

- 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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> 7976 Dr. Aqsa

To: Project Manager

Sunshine Health Care Private Ltd.

Project: Construction of Sunshine Medical Tower Shahdra.

Our Ref. No. CL/CED/ 6164 Dated: 15-10-24 <u>Test Specification</u>

Your Ref. No. Nil Dated: 09-10-24 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 09-10-24 Tested on: 15-10-24 in dry/wet condition





Sr. No. Mark*		ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
	DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
Wall Water Dipped	2	9	2024	6Diax12		13.2	28.28	88	6970		Engraved
Wall Water Dipped	2	9	2024	6Diax12		13	28.28	79	6257		Engraved
Wall Field Curing	2	9	2024	6Diax12		14	28.28	83	6574		Engraved
Slab Water Dipped	2	9	2024	6Diax12		13.6	28.28	82	6495	-	Engraved
Slab Water Dipped	2	9	2024	6Diax12	THE	13	28.28	83	6574	-	Engraved
Slab Field Curing	2	9	2024	6Diax12	READ IN	13	28.28	82	6495		Engraved
Water Dipped	11	9	2024	6Diax12	OF THY LEGRO WHO CREATES	13.2 مان ا	28.28	63	4990	-	Engraved
Water Dipped	11	9	2024	6Diax12		13.4	28.28	70	5545		Engraved
Field Curing	11	9	2024	6Diax12	*	13	28.28	58	4594		Engraved
Field Curing	11	9	2024	6Diax12	-14	13	28.28	68	5386		Engraved
										-	
	Wall Water Dipped Wall Water Dipped Wall Field Curing Slab Water Dipped Slab Water Dipped Slab Field Curing Water Dipped Water Dipped Field Curing Field Curing	Mark* DD Wall Water Dipped 2 Wall Water Dipped 2 Wall Field Curing 2 Slab Water Dipped 2 Slab Water Dipped 2 Slab Field Curing 2 Water Dipped 11 Water Dipped 11 Field Curing 11 Field Curing 11 Field Curing 11	Mark* DD MM Wall Water Dipped 2 9 Wall Field Curing 2 9 Slab Water Dipped 2 9 Slab Water Dipped 2 9 Slab Field Curing 2 9 Water Dipped 11 9 Water Dipped 11 9 Field Curing 11 9 Field Curing 11 9 Field Curing 11 9	Wall Water Dipped 2 9 2024 Wall Water Dipped 2 9 2024 Wall Field Curing 2 9 2024 Slab Water Dipped 2 9 2024 Slab Water Dipped 2 9 2024 Slab Field Curing 2 9 2024 Water Dipped 11 9 2024 Field Curing 11 9 2024 Field Curing 11 9 2024 Field Curing 11 9 2024	Mark* DD MM YYYY (in) Wall Water Dipped 2 9 2024 6Diax12 Wall Water Dipped 2 9 2024 6Diax12 Slab Water Dipped 2 9 2024 6Diax12 Slab Water Dipped 2 9 2024 6Diax12 Slab Field Curing 2 9 2024 6Diax12 Water Dipped 11 9 2024 6Diax12 Field Curing 11 9 2024 6Diax12 Field Curing 11 9 2024 6Diax12 Field Curing 11 9 2024 6Diax12	Mark* Casting Date* Size Weight DD MM YYYY (in) (Kg/gms) Wall Water Dipped 2 9 2024 6Diax12 Wall Field Curing 2 9 2024 6Diax12 Slab Water Dipped 2 9 2024 6Diax12 Slab Field Curing 2 9 2024 6Diax12 Water Dipped 11 9 2024 6Diax12 Water Dipped 11 9 2024 6Diax12 Field Curing 11 9 2024 6Diax12 Field Curing 11 9 2024 6Diax12 Field Curing 11 9 2024 6Diax12	Mark* Casting Date* Size Weight Weight DD MM YYYY (in) (Kg/ gms) (Kg/ gms) Wall Water Dipped 2 9 2024 6Diax12 13.2 Wall Field Curing 2 9 2024 6Diax12 14 Slab Water Dipped 2 9 2024 6Diax12 13.6 Slab Water Dipped 2 9 2024 6Diax12 13 Water Dipped 11 9 2024 6Diax12 13.2 Water Dipped 11 9 2024 6Diax12 13.4 Field Curing 11 9 2024 6Diax12 13 Field Curing 11 9 2024 6Diax12 13 Field Curing 11 9 2024 6Diax12 13	Mark* Casting Date* Size Weight Weight Weight (Kg/gms) X-Section (Sq. in) Wall Water Dipped 2 9 2024 6Diax12 13.2 28.28 Wall Water Dipped 2 9 2024 6Diax12 13 28.28 Wall Field Curing 2 9 2024 6Diax12 14 28.28 Slab Water Dipped 2 9 2024 6Diax12 13.6 28.28 Slab Field Curing 2 9 2024 6Diax12 13 28.28 Water Dipped 11 9 2024 6Diax12 13.2 28.28 Water Dipped 11 9 2024 6Diax12 13.4 28.28 Field Curing 11 9 2024 6Diax12 13 28.28 Field Curing 11 9 2024 6Diax12 13 28.28 Field Curing	Mark* Casting Date* Size Weight (Kg/ gms) Weight (Kg/ gms) X-Section (Sq. in) Load (Imp.Tons) Wall Water Dipped 2 9 2024 6Diax12 13.2 28.28 88 Wall Water Dipped 2 9 2024 6Diax12 13 28.28 79 Wall Field Curing 2 9 2024 6Diax12 13.6 28.28 82 Slab Water Dipped 2 9 2024 6Diax12 13.6 28.28 82 Slab Field Curing 2 9 2024 6Diax12 13 28.28 82 Water Dipped 11 9 2024 6Diax12 13.2 28.28 63 Water Dipped 11 9 2024 6Diax12 13.4 28.28 63 Field Curing 11 9 2024 6Diax12 13 28.28 58 Field Cur	Mark* Casting Date* Size Weight (Kg/ gms) Weight (Kg/ gms) X-Section (Sq. in) (Imp.Tons) Load (psi) Wall Water Dipped 2 9 2024 6Diax12 13.2 28.28 88 6970 Wall Water Dipped 2 9 2024 6Diax12 13 28.28 79 6257 Wall Field Curing 2 9 2024 6Diax12 14 28.28 83 6574 Slab Water Dipped 2 9 2024 6Diax12 13.6 28.28 82 6495 Slab Field Curing 2 9 2024 6Diax12 13 28.28 82 6495 Water Dipped 11 9 2024 6Diax12 13.2 28.28 63 4990 Water Dipped 11 9 2024 6Diax12 13.4 28.28 70 5545 Field Curing 11 9 2	Mark* Casting Date* Size Weight (Kg/ gms) X-Section (Sq. in) (Imp.Tons) Stress (psi) Absorption (%) Wall Water Dipped 2 9 2024 6Diax12 13.2 28.28 88 6970 Wall Water Dipped 2 9 2024 6Diax12 13 28.28 79 6257 Wall Field Curing 2 9 2024 6Diax12 13.6 28.28 83 6574 Slab Water Dipped 2 9 2024 6Diax12 13.6 28.28 82 6495 Slab Water Dipped 2 9 2024 6Diax12 13 28.28 82 6495 Water Dipped 11 9 2024 6Diax12 13.2 28.28 63 4990 Field Curing 11 9 2024 6Diax12 13 28.28 58

Witnessed by: Nil

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

- 1. * as engraved on the specimens (if any)
- 2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- 3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- 4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

- 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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8011 Dr. M. Yousaf

To: Mr. Tahir Mehmood

Chief Engineer, New Lahore City. (ZAITOON, Beyond Lifestyle Exellence)

Project: Building Work Mian Ejaz Anwar House 9-A Cantt Lahore. (M/s Tameer Construcion)

Our Ref. No. CL/CED/ 6165 Dated: 15-10-24 <u>Test Specification</u>

Your Ref. No. ZC/CE/182 Dated: 14-10-24 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 15-10-24 Tested on: 15-10-24 in dry/wet condition



Sr. No.	Mark*	Casting Da		Date* Size		Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	1st Basement Slab (4000 Psi)	14	9	2024	6Diax12		14.6	28.28	66	5228		Non Engraved
2	1st Basement Slab (4000 Psi)	14	9	2024	6Diax12		14.8	28.28	72	5703		Non Engraved
3	1st Basement Slab (4000 Psi)	14	9	2024	6Diax12		14	28.28	65	5149		Non Engraved
4	1st Basement Slab (4000 Psi)	14	9	2024	6Diax12		13.6	28.28	73	5782		Non Engraved
5						HEINE	RING					
6		1	1	-		READ IN						
7					- È	OF THY HORD WHO CREATES	ر عِب ا الله في خلق ر	<u> </u>				
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9				-								
10						LA	ORL					
11		-	-									
12		I	I									
13												
14												
15												
16												

Witnessed by: Mr. Ghulam Fareed, CNIC # 33105-8651832-7 & Mr. M. Azhar, Asst. Lab Incharge, CNIC # 35201-5560081-5

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

^{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.