

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895 A carbon copy for the report has been retained in

> 2134 Dr. Qasim Shaukat

Mr. Rashid Kamran, (RE). (Contractor M/S Sohail & Co).

NESPAK (Pvt.) Ltd. Construction Management Division, Lahore.

Project: Rehabilitation and Improvement of Streets and Drainage in UC 231, 242 Shama Colony, Lahore.

Our Ref. No. CL/CED/ 6258 Dated: 02-11-21

Your Ref. No. 4047-R3/13/RK/215 Dated: 29-09-21 Test Specification (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 21-10-21 Tested on: 02-11-21 in dry/wet condition

Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Link Streets	18	9	2021	6Diax12		12.5	28.28	30	2376		Non-Engraved
2	Link Streets	18	9	2021	6Diax12		12.4	28.28	22	1743		Non-Engraved
3	Link Streets	18	9	2021	6Diax12		13	28.28	62	4911		Non-Engraved
4	Link Streets	18	9	2021	6Diax12		13	28.28	63	4990		Non-Engraved
5	Link Streets	18	9	2021	6Diax12		12.2	28.28	35	2772		Non-Engraved
6	Link Streets	18	9	2021	6Diax12		13	28.28	66	5228		Non-Engraved
7	Link Streets	18	9	2021	6Diax12		12.4	28.28	40	3168		Non-Engraved
8	Link Streets	18	9	2021	6Diax12		13	28.28	63	4990		Non-Engraved
9	Link Streets	18	9	2021	6Diax12		13	28.28	66	5228		Non-Engraved
10												
11												
12												
13												
14												
15												
16												
Witness	ad by							<u> </u>		<u> </u>	<u> </u>	

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)



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Mr. Rashid Kamran, (RE). (Contractor M/S Sohail & Co).

NESPAK (Pvt.) Ltd. Construction Management Division, Lahore.

Project: Rehabilitation and Improvement of Streets and Drainage in UC 231, 242 Shama Colony, Lahore.

Our Ref. No. CL/CED/ 6259 Dated: 02-11-21

Your Ref. No. 4047-R3/13/RK/216 Dated: 29-09-21 Test Specification (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 21-10-21 Tested on: 02-11-21 in dry/wet condition

Sr. No.	Mark*	Casting Date			Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Water Absorpti on (%)	Remarks
1	St # 2	19	9	2021	(in) 6Diax12	(Kg/ gms)	(Kg/ gms)	(Sq. in) 28.28	(Imp. Fons) 59	(psi) 4673		Non-Engraved
'			,				12.0	20.20	33	4073		Non-Engraved
2	St # 2	19	9	2021	6Diax12		13.2	28.28	37	2931		Non-Engraved
3	St # 2	19	9	2021	6Diax12		13	28.28	59	4673		Non-Engraved
4	St # 2	19	9	2021	6Diax12		13.6	28.28	66	5228		Non-Engraved
5	St # 2	19	9	2021	6Diax12		13	28.28	63	4990		Non-Engraved
6	St # 2	19	9	2021	6Diax12		13	28.28	60	4752		Non-Engraved
7												
8												
9												
10												
11												
12												
13												
14												
15												
16							-					

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> 2164 Dr. Qasim Shaukat

Mr. Mohammad Najeeb (Director) **Baig Construction Company**

Project: 1st Floor 5, Tariq Block, AS Tower, Garden Town, Lahore

Our Ref. No. CL/CED/ 6260 Dated: 02-11-21 Your Ref. No. BCC/0100/21 Dated: 27-10-21

Test Specification (ASTM C39)



COMPRESSION TEST REPORT

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

Specimens received on: 28-10-21 Tested on: 02-11-21 in dry/wet condition

Sr. No.	Mark*		_	Date*	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	OII (78)	
1	Raft (3000 Psi)	11	8	2021	6Diax12		14	28.28	69	5465		Non-Engraved
2	Raft (3000 Psi)	11	8	2021	6Diax12		14.2	28.28	72	5703		Non-Engraved
3	Retaining Wall (3000 Psi)	25	8	2021	6Diax12		14	28.28	61	4832		Non-Engraved
4	Retaining Wall (3000 Psi)	25	8	2021	6Diax12		14	28.28	84	6653		Non-Engraved
5	Column (6000 Psi)	14	9	2021	6Diax12		14.2	28.28	92	7287		Non-Engraved
6	Column (6000 Psi)	14	9	2021	6Diax12		14	28.28	99	7842		Non-Engraved
7	Slab (3000 Psi)	24	9	2021	6Diax12		14	28.28	63	4990		Non-Engraved
8	Slab (3000 Psi)	24	9	2021	6Diax12		14.2	28.28	57	4515		Non-Engraved
9												
10												
11												-
12												-
13												
14												
15												
16												

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
- 3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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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)
- 2. The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)



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> 2164 Dr. Qasim Shaukat

Test Specification

Mr. Mohammad Najeeb (Director) **Baig Construction Company**

Project: 1st Floor 5, Tariq Block, AS Tower, Garden Town, Lahore

Our Ref. No. CL/CED/ 6261 Dated: 02-11-21

Your Ref. No. BCC/0101/21 Dated: 27-10-21 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 28-10-21 Tested on: 02-11-21 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	Retaining Wall (3000 Psi)	28	9	2021	6Diax12		14.2	28.28	68	5386		Non-Engraved
2	Retaining Wall (3000 Psi)	28	9	2021	6Diax12		13.8	28.28	62	4911		Non-Engraved
3	Column (6000 Psi)	3	10	2021	6Diax12		14	28.28	89	7050		Non-Engraved
4	Column (6000 Psi)	3	10	2021	6Diax12		13.6	28.28	58	4594		Non-Engraved
5												
6				-						I		
7												
8				-								
9												
10										-		
11				-								
12				-								
13										-		
14					-		-			1		
15												
16												
Mitnoos	and lavor											

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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- 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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> 2170 Dr. Qasim Shaukat

M. Saleem Construction Company

Haq Baho Manzil, 1st Floor, Opposite Usman CNG, Lahore Road, Sheikhupura

Project:Nil

Our Ref. No. CL/CED/ 6262 Dated: 02-11-21 Your Ref. No. Nil Dated: 29-10-21

Test Specification (ASTM C39)



COMPRESSION TEST REPORT

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

Specimens received on: 29-10-21 Tested on: 02-11-21 in dry/wet condition

Sr. No.	r. No. Mark*		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	G.F. Slab Grid 4 to 6 Line B to F	22	10	2021	6Diax12		14	28.28	37	2931		Engraved					
2	G.F. Slab Grid 4 to 6 Line B to F	22	10	2021	6Diax12		14.4	28.28	41	3248		Engraved					
3																	
4			I				-		-	1		-					
5		-	I				ŀ		1	1							
6		-	1				-		I	I							
7		-	ł						-	I							
8		-	ł						-	I							
9		I	ł				I		I	I		-					
10		-	1				-		I	I							
11		-	ł						-	I							
12		-	ł						-	I							
13		-	ł						-	I							
14			ł						-	1							
15			ł						-	-							
16			I						-	1							
Witness	sed 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 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.

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> 2166 Dr. Qasim Shaukat

Resident Engineer, ESS-I-AAR Consultant.

Old Chiniot Road, Chah Tootan Wala, Jhang City.

Project: Rehabilitation/Improvement of Sewerage System Jhang Phase-I

02-11-21 Our Ref. No. CL/CED/ 6263 Dated:

Your Ref. No. 987 Dated: 21-10-21 Test Specification

BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 28-10-21 Tested on: 01-11-21 in dry/wet condition

Sr. No.	Mark*		asting 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)	011 (70)		
1	Roof Slab of Sub- Station Building	21	9	2021	6x6x6		9	36	83	5164		Non Engraved	
2	Roof Slab of Sub- Station Building	21	9	2021	6x6x6		9	36	99	6160		Non Engraved	
3													
4							-						
5												-	
6												-	
7												-	
8												-	
9													
10												-	
11												-	
12													
13													
14													
15													
16					-		-						
Witness	ed by: Nil	Witnessed by: Nil											

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
- 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)



University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895 A carbon copy for the report has been retained in

> 2137 Engr. Ubaid

Test Specification

Construction Manager

Tameer Construction (Pvt.) Ltd.

Project: 12/C Zeid Saigol House Gulberg II, Lahore.

Our Ref. No. CL/CED/ 6264 Dated: 02-11-21

Your Ref. No. Dated: 22-10-21 (BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 22-10-21 Tested on: 29-10-21 in dry/wet condition

Sr. No. Mark*		ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section			Absorpti	Remarks
		DD MM YYYY		(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
Ss-1	-	1	-	8.7 x 4.2 x 2.8		2920	36.54	43	2636		
Ss-1	-	-		8.7 x 4.2 x 2.9		3165	36.54	45	2759		
Ss-1	-	-		8.8 x 4.3 x 2.9		3275	37.84	50	2960		
Ss-1				8.6 x 4.3 x 3		3145	36.98	36	2181		
P	-	1	-	8.8 x 4.3 x 3	-	3430	37.84	50	2960		
P	1	1	-	8.7 x 4.2 x 2.7		3225	36.54	48	2943		
P	-	-		8.8 x 4.3 x 2.9		3300	37.84	48	2841		
P	-	-		8.8 x 4.3 x 3		3438	37.84	48	2841		
				-		1	-		I		
	-	-	-			1			I		
	-	-									
	-	-									
	-					-	-		1		
									1		
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	Ss-1 Ss-1 Ss-1 P P P P	Mark* DD Ss-1 Ss-1 Ss-1 Ss-1 P P P	Mark* DD MM Ss-1 Ss-1 Ss-1 P P P	DD MM YYYY Ss-1 Ss-1 Ss-1 Ss-1 P P P	Mark* DD MM YYYY (in) Ss-1 8.7 x 4.2 x 2.8 Ss-1 8.7 x 4.2 x 2.9 Ss-1 8.8 x 4.3 x 2.9 Ss-1 8.6 x 4.3 x 3 P 8.8 x 4.3 x 3 P 8.8 x 4.3 x 2.9 8.8 x 4.3 x 3	Mark* DD MM YYYY (in) (Kg/gms) Ss-1 8.7 x 4.2 x 2.8 Ss-1 8.7 x 4.2 x 2.9 Ss-1 8.8 x 4.3 x 2.9 Ss-1 8.8 x 4.3 x 3 P 8.8 x 4.3 x 2.9 P 8.8 x 4.3 x 2.9 P 8.8 x 4.3 x 2.9	Mark* Casting Date* Weight (Kg/gms) (Kg/gms) Ss-1 8.7 x 4.2 x 2.8 2920 Ss-1 8.7 x 4.2 x 2.9 3165 Ss-1 8.8 x 4.3 x 2.9 3275 Ss-1 8.6 x 4.3 x 3 3430 P 8.7 x 4.2 x 2.7 3225 P 8.8 x 4.3 x 2.9 3300 P 8.8 x 4.3 x 3 3438 3300 P 8.8 x 4.3 x 3 3438	Mark* Casting Date* Size Weight (Kg/gms) X-Section (Sq. in) Ss-1 8.7 x 4.2 x 2.8 2920 36.54 Ss-1 8.7 x 4.2 x 2.9 3165 36.54 Ss-1 8.8 x 4.3 x 2.9 3275 37.84 Ss-1 8.6 x 4.3 x 3 3145 36.98 P 8.8 x 4.3 x 3 3430 37.84 P 8.8 x 4.3 x 2.9 3225 36.54 P 8.8 x 4.3 x 2.9 3225 36.54 P 8.8 x 4.3 x 2.9 3300 37.84 P 8.8 x 4.3 x 2.9 3438 37.84 8.8 x 4.3 x 3 3438 37.84 -	Mark* Casting Date* Size Weight (Kg/gms) X-Section (Kg/gms) Load (Imp.Tons) Ss-1 8.7 x 4.2 x 2.8 2920 36.54 43 Ss-1 8.7 x 4.2 x 2.9 3165 36.54 45 Ss-1 8.8 x 4.3 x 2.9 3275 37.84 50 Ss-1 8.6 x 4.3 x 3 3145 36.98 36 P 8.8 x 4.3 x 3 3430 37.84 50 P 8.7 x 4.2 x 2.7 3225 36.54 48 P 8.8 x 4.3 x 2.9 3300 37.84 48 P 8.8 x 4.3 x 2.9 3300 37.84 48 P 8.8 x 4.3 x 3 3438 37.84 48	Mark* Casting Date* DD MM YYYY Size (in) Weight (Kg/ gms) X-Section (Sq. in) load (Imp.Tons) Stress (psi) Ss-1 8.7 x 4.2 x 2.8 2920 36.54 43 2636 Ss-1 8.7 x 4.2 x 2.9 3165 36.54 45 2759 Ss-1 8.8 x 4.3 x 2.9 3275 37.84 50 2960 Ss-1 8.6 x 4.3 x 3 3145 36.98 36 2181 P 8.8 x 4.3 x 3 3225 36.54 48 2943 P 8.7 x 4.2 x 2.7 3225 36.54 48 2943 P 8.8 x 4.3 x 2.9 3300 37.84 48 2841 P 8.8 x 4.3 x 3 3438 37.84 48 2841 </td <td>Mark* Casting Date* DD MM YYYY Size (in) Weight (Kg/ gms) X-Section (Sq. in) Load (Imp.Tons) Stress Absorption (%) Ss-1 8.7 x 4.2 x 2.8 2920 36.54 43 2636 Ss-1 8.7 x 4.2 x 2.9 3165 36.54 45 2759 Ss-1 8.8 x 4.3 x 2.9 3275 37.84 50 2960 Ss-1 8.6 x 4.3 x 3 3145 36.98 36 2181 P 8.8 x 4.3 x 3 3225 36.54 48 2943 P 8.8 x 4.3 x 2.9 3200 37.84 48 2841 P 8.8 x 4.3 x 3 3438 37.84 48 2841 8.8 x 4</td>	Mark* Casting Date* DD MM YYYY Size (in) Weight (Kg/ gms) X-Section (Sq. in) Load (Imp.Tons) Stress Absorption (%) Ss-1 8.7 x 4.2 x 2.8 2920 36.54 43 2636 Ss-1 8.7 x 4.2 x 2.9 3165 36.54 45 2759 Ss-1 8.8 x 4.3 x 2.9 3275 37.84 50 2960 Ss-1 8.6 x 4.3 x 3 3145 36.98 36 2181 P 8.8 x 4.3 x 3 3225 36.54 48 2943 P 8.8 x 4.3 x 2.9 3200 37.84 48 2841 P 8.8 x 4.3 x 3 3438 37.84 48 2841 8.8 x 4

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)



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> 2155 Dr. Qasim Shaukat

Test Specification

Engr. M. Abbas, Resident Engineer

City Survey & Engineering Consultant.

Project: Green View Executive Apartments Phase-V.

Our Ref. No. CL/CED/ 6265 Dated: 02-11-21

Your Ref. No. Ce/GUA/RE/06/21 Dated: 26-10-21 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 27-10-21 Tested on: 01-11-21 in dry/wet condition

Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti	Remarks
S1. NO.	Wark	DD	мм	YYYY	(in)		(Kg/ gms)		(Imp.Tons)		on (%)	Remarks
1	4500 Psi (Grid 2-7/A- C. R/Wall+Col)	25	9	2021	6Diax12		14	28.28	63	4990		Non Engraved
2	4500 Psi (Grid 2-7/A- C. R/Wall+Col)	25	9	2021	6Diax12		15	28.28	66	5228		Non Engraved
3	4500 Psi (Grid 2-7/A- C. R/Wall+Col)	25	9	2021	6Diax12		14	28.28	60	4752		Non Engraved
4	3000 Psi (Raft-Grid D-F/2-3	16	9	2021	6Diax12		14	28.28	78	6178		Non Engraved
5	3000 Psi (Raft-Grid D-F/2-3	16	9	2021	6Diax12		13	28.28	39	3089		Non Engraved
6	4500 Psi (UGWT Wall+Column)	16	9	2021	6Diax12		14	28.28	77	6099		Non Engraved
7	4500 Psi (UGWT Wall+Column)	16	9	2021	6Diax12		13.4	28.28	69	5465		Non Engraved
8										-		
9												
10		-					-			I		
11		I								I		
12												
13												
14												
15										I		
16												
Witness	and hv											

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)