

UNIFORMITY REQUIREMENT OF CONCRETE



Client	Al Marhoon Ready Mix	Job No.	SA15-3028
Project	Uniformity Test For Approval	Lab No.	18282
Material	Concrete (4000 Psi)	Date Reported	12 May 2015
Date Sampled	04 May 2015	Supplier	Al Marhoon Batching Plant # 01

Properties:

Test Requirement	Tested Method	Test Result			ASTM C-94 Maximum Permissible Difference
		@ A	@ B	Difference	
Unit Weight of Concrete Kg/m ³	ASTM C-138	2370	2361	9	-
Air Content %	ASTM C-173	1.5	1.7	0.2	1.0
Slump mm	ASTM C-143	170	160	10	40
Course Aggregate retained on # 4 Sieve %	ASTM C-172	44.7	43.4	1.3	6
Unit of Air Free Mortar Kg/m ³	ASTM C-194	2245	2240	5	16
Unit Weight of Air free mortar based on average for all comparative samples tested %	ASTM C-94	5.3	5.1	0.2	1.6
Compression strength of Cylinders @ 7 days %	ASTM C-39	101.0	98.4	3.2	7.5

Note A & B are the test location @ 15 % & 85 % portion of the concrete batch where the sample was taken respectively.

Remarks	Based from the test results of the trial batch, the concrete production indicated in this report comply with the Uniformity of concrete as per ASTM C-94.
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Tested By: Jose Daniel
CTTA #: 0195

Review By: Thomas David
CTTA #: 0194

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Moh'd Nawaz CTTA # 0037
Sr. Supervisor



PERCENT OF COURSE AGGREGATE IN CONCRETE



Client	Al Marhoon Ready Mix	Job No.	SA15-3028
Project	Uniformity Test For Approval	Lab No.	18282
Material	Concrete (4000 Psi)	Date Reported	12 May 2015
Date Sampled	04 May 2015	Supplier	Al Marhoon Batching Plant # 01
		Method	ASTM C-172

Properties:

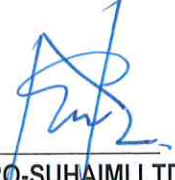
Determine No.	A	B	
A. Weight of Concrete (grams)	16735	16671	
B. SSD of Aggregate retained on # 4 Sieve (grams) after washing	7483	7240	
P. Weight of Course Aggregate retained on # 4 Sieve , (B/A) X 100	44.7	43.4	

Remarks	
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UNIT WEIGHT OF CONCRETE – DATA SHEET



Client	Al Marhoon Ready Mix	Job No.	SA15-3028
Project	Uniformity Test For Approval	Lab No.	18282
Material	Concrete (4000 Psi)	Date Reported	12 May 2015
Date Sampled	04 May 2015	Supplier	Al Marhoon Batching Plant # 01
		Method	ASTM C-138

Properties:

Determine No.		@ A	@ B	
A. Weight of Container	(grams)	3864	2864	
B. Weight of Container + Concrete	(grams)	20599	20535	
C. Weight of Container Concrete	(grams)	16735	16671	
D. Volume of Container	(cm ³)	7061	7061	
M. Unit Weight (B – A) X 1000/D,	Kg / m ³	2370	2361	

Remarks	
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Tested By: Jose Daniel
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BATCH WEIGHTS OF CONCRETE



Client	Al Marhoon Ready Mix	Job No.	SA15-3028
Project	Uniformity Test For Approval	Sample #	01
Material	Concrete (4000 Psi)	Date Reported	12 May 2015
Date Sampled	04 May 2015	Supplier	Al Marhoon Batching Plant # 01

Properties:

1. Batch Weights Per Cubic Meter (As Per Print Out - Attached)

Material	Type	Quantity
CEMENT	SRC-V	370 Kg
MICRO SILICA	---	---
3/4 AGGREGATE	CA	642 Kg
3/8 AGGREGATE	CA	526 Kg
SAND	D.S	695 Kg
WATER (NET)	S.W	148 L
ADMIXTURE 1	SP 432 MS	3000 mL

Remarks	
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