



أبو قفرة للخرسانة
ABU QFRAH FOR CONCRETE

الخرسانة الجاهزة



إن شركة أبو قفرة للخرسانة رغم حداثتها فإنها تمتلك القدرة اللازمة لتوفير خرسانة جاهزة عالية الجودة وذلك عبر فريق عمل مؤهل ومدرب، والشركة مجهزة بأحدث الآلات والمعدات وذلك لتلبية حاجة السوق المحلي بالمنطقة الجنوبية بالمملكة.

من العوامل التي تميز شركة أبو قفرة للخرسانة التكنولوجيا الصناعية المستخدمة فيها والتي تمنح منتجاتنا الدقة والجودة، بالإضافة إلى السعر المناسب وتسليم هذه المنتجات بالمكان والزمان المناسبين.

وتعتمد شركة أبو قفرة للخرسانة الجاهزة على مواد أولية أساسية تزودها بها شركة قفرة المحدودة للكسارات التابعة لإدارة شركة أبو قفرة القابضة، حيث يتم فيها إنتاج الخرسان (البحص) بأنواعه بالاعتماد على عمل الآلات الأتوماتيكي من عدة مراحل تبدأ من فحص المواد والمعالجة الآلية للوصول إلى منتج نهائي خالي من أية عيوب بعد مروره بقسم ضبط الجودة.

Ready Mix Concrete



Abu Qafrah Holding Co. has established its own ready-mix concrete factory in 2014, and even it is new but it has the ability to provide high quality concrete according to the following elements :

- High quality of gravel.
- High quality of cement.
- High quality of staff.
- Credibility of casting time.
- Periodic maintenance and cleaning for all machines and vehicles.
- Periodic lab tests from outsource.

Our machines and equipments are all new and fully computerized, and we make periodic tests for it weekly by our staff and every six months by outsource lab approved by the Saudi Engineering Society.

From the beginning, we have a series of mix design from 2050- MPA with the best additive material and mixed with micro silica also.

Every year, we conduct training courses for our staff to improve their performance and to keep up with the latest technology.

Types of Products أنواع المنتجات

C20/OPC

C30/OPC

C35/OPC

C40/OPC

C50/OPC

C20/SRC

C30/SRC

C35/SRC

C40/SRC

C50/SRC

C20/OPC+Microsilica

C30/OPC+Microsilica

C35/OPC+Microsilica

C40/OPC+Microsilica

C50/OPC+Microsilica

250 kg/m³ (BBC)300 kg/m³ (BBC)380 kg/m³ (BBC)420 kg/m³ (BBC)

Specific Gravity and Absorption of Aggregates

KINGDOM OF SAUDI ARABIA
THUNAIAH for TESTING & ENGINEERING CONSULTANTS



CONTRACTOR: Abu Qfrah For Concrete

PROJECT : Batching Plant

DESCRIPTION: N. Sand

Date: 21/09/2014

W.O 3020

Course Aggregates								
1	Trial No	1	2	3	4	5	6	Average
2	Weight of Sat. Surface Dry Sample In Air (g)							
3	Weight of Oven Dry Sample In Air (g)							
4	Weight of Sat. Surface Dry Sample In Water (g)							
5	Absorption (Line 2-Line3) (g)							
6	% Absorption (Line 5*100/Line3) (%)							
7	Specific Gravity							
	(a) Bulk Oven Dry (Line 3)/(Line 2-Line 4)							
	(b) Bulk Sat.Surf. Dry (Line 2)/(Line 2-Line 4)							
	(c) Apparent (Line 3)/(Line 3-Line 4)							
Fine Aggregates								
8	Trial No	1	2	3	4	5	6	Average
9	Weight of Saturated Surface Dry Sample In (g)	196.9	196.9	196.9				
10	Weight of Oven Dry Sample In Air (g)	190.4	192.8	191.6				
11	Weight Of Bottle Filled With Water (g)	761.9	761.9	761.9				
12	Wt.Of Bot. With Sat. Sur. Dry spl. & Water (g)	885.9	887.5	886.6				
13	Absorption (Line 9-Line10) (g)	6.5	4.1	5.3				
14	% Absorption (Line 13*100/Line10) (%)	3.4	2.1	2.8				2.8
15	Specific Gravity				
	(a) Bulk Oven Dry (Line 10)/(Line 9+Line 11-Line 12)	2.612	2.704	2.654				2.657
	(b) Bulk Sat.Surf. Dr (Line 9) /(Line 9+Line 11-Line 12)	2.701	2.762	2.727				2.730
	(c) Apparent (Line 10)/(Line10+Line11-Line 12)	2.867	2.869	2.864				2.867

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فحوصات المعدات Equipment Test





الثناية السعودية للاستشارات الهندسية
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رفع مساحي - مختبرات (تربة - خرسانة - أسفلت - مواد)

Report of Calibration

Client: Abu Qfrah (Block Al Riyadh)
Project: Block Batching Plant (1)
Location: Bani Mulak (Abha)
Dated: 12.10.2017
W.O: 4474

Type of

Equipment to be Aggregate Scale

Model: FS-8000A

(Calibration Test Data)

	Standard Reading Or Applied Weight	Actual Reading or Indication	Deviation	%Error of the Applied Load
	Unit Kg.	Unit Kg.	Unit Kg.	
Manufacturer:	Fine			
Serial No.	1006319	20	20	0.0
Capacity	1500kg	40	39	-1.0
Graduation:	1 Kg.	80	80	0.0
Verified Range:		100	101	1.0
Verification Date:	11 th October, 2017	180	180	0.0
Next Due Date:	10 th April, 2018	200	199.8	-0.2
Calibrated By:	M. Abou Babr	280	280	0.0
Witnessed By:		300	300	0.0
		380	380	0.0
		400	400	0.0
		480	479.5	-0.5
		600	600	0.0
		1000	1000	0.0
		Avg.		-0.13

Remarks:

- The Above mentioned Weighing Scale of Batching Plant as Calibrated is accurate within Deviation of -0.13% of the applied load.
- Calibration is required when ever the weighing Scale believed to be in error regardless of the time interval, Since the Last Calibration.
- If the calibration goes out of order, due to any break down, malfunction or other reasons what so ever. We (THUNAIHAH Consultants & Material testing) shall not be liable for any damage or loss.
- Device used for calibration. Standard Test Weights, Calibrated by ISO approved Laboratories.



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رفع مساحي - مختبرات (تربة - خرسانة - أسفلت - مواد)

Report of Calibration

Client: Abu Qfrah (Block Al Riyadh)

Project: Block Batching Plant (1)

Location: Bani Malak (Abha)

Dated: 12.10.2017

W.O : 4474

Type of

Equipment to be Water Meter

Model:

Counter

(Calibration Test Data)

		Standard Reading Or Applied Weight	Actual Reading or Indication	Deviation	%Error of the Applied Load
		Unit Ltr.	Unit Ltr.	Unit Ltr.	
Manufacturer:	DHC2J				
Serial No.	N/A	20	20	0	0.0
Capacity	1000 Ltr.	40	40	0	0.0
Graduation:	1Ltr.	80	80	0	0.0
Verified Range:		100	100	0	0.0
Verification Date:	11 th October, 2017	200	200	0	0.0
Next Due Date:	10 th April, 2018	300	300	0	0.0
Calibrated By:	<u>M. Abou Bakr</u>	400	400	0	0.0
Witnessed By:		500	500	0	0.0
		800	800	0	0.0
		900	900	0	0.0
				Avg.	0.00

Equipment Statuses: _____

Remarks:

1. The Above mentioned Water Scale of Batching Plant as Calibrated is accurate within the Deviation of 0.0% of the applied load.
2. Calibration is required when ever the weighing Scale believed to be in error regardless of the time interval, Since the Last Calibration.
3. If the calibration goes out of order, due to any break down, malfunction or other reasons what so ever. We (THUNAIHAH Consultants & Material testing) shall not be liable for any damage or loss.
4. Device used for calibration. Standard Test Tanks, Calibrated by ISO approved Laboratories.



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رفع مساحي - مختبرات (تربة - خرسانة - أسفلت - مواد)

Report of Calibration

Client: Abu Qfrah (Block Al Riyadh)
Project: Block Batching Plant (2)
Location: Bani Malak (Abha)

Dated: 12.10.2017
W.O: 4474

Type of

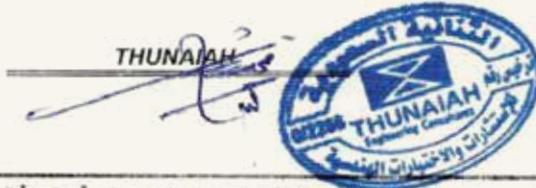
Equipment to be Aggregate Scale
Model: SI4100

(Calibration Test Data)

	Standard Reading Or Applied Weight	Actual Reading or Indication	Deviation	%Error of the Applied Load
	Unit Kg.	Unit Kg.	Unit Kg.	
Manufacturer:	SI4100			
Serial No.	TGA-2M-02-06-00	20	20	0.0
Capacity	1500kg	40	40	0.0
Graduation:	1 Kg.	80	80	0.0
Verified Range:		100	100	0.0
Verification Date:	11 th October, 2017	180	180	0.0
Next Due Date:	10 th April, 2018	200	200	0.0
Calibrated By:	M. Abou Baker	280	280	0.0
Witnessed By:		300	300	0.0
		380	380	0.0
		400	400	0.0
		480	481	1.0
		600	601	1.0
		1000	1000	0.0
			Avg.	0.03

Remarks:

- The Above mentioned Weighing Scale of Batching Plant as Calibrated is accurate within Deviation of 0.03% of the applied load.
- Calibration is required when ever the weighing Scale believed to be in error regardless of the time interval, Since the Last Calibration.
- If the calibration goes out of order, due to any break down, malfunction or other reasons what so ever. We (THUNAIHAH Consultants & Material testing) shall not be liable for any damage or loss.
- Device used for calibration. Standard Test Weights, Calibrated by ISO approved Laboratories.



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Report of Calibration

Client: Abu Qfrah (Block Al Riyadh)
Project: Block Batching Plant (2)
Location: Bani Malak (Abha)

Dated: 12.10.2017
W.O : 4474

Type of

Equipment to be Water Meter

Model:

EMKO

(Calibration Test Data)

	Standard Reading Or Applied Weight	Actual Reading or Indication	Deviation	%Error of the Applied Load
	Unit Ltr.	Unit Ltr.	Unit Ltr.	
Manufacturer:	EMKO			
Serial No.	EZM-7730	20	20	0
Capacity	1000 Ltr.	40	40	0
Graduation:	1Ltr.	80	80	0
Verified Range:		100	100	0
Verification Date:	11 th October, 2017	200	200	0
Next Due Date:	10 th April, 2018	300	300	0
Calibrated By:	<u>M. Abou Bakr</u>	400	400	0
Witnessed By:		500	500	0
		800	800	0
		900	900	0
			Avg.	0.00

Equipment Statuses: _____

Remarks:

1. The Above mentioned Water Scale of Batching Plant as Calibrated is accurate within the Deviation of 0.0% of the applied load.
2. Calibration is required when ever the weighing Scale believed to be in error regardless of the time interval, Since the Last Calibration.
3. If the calibration goes out of order, due to any break down, malfunction or other reasons what so ever. We (THUNAIHAH Consultants & Material testing) shall not be liable for any damage or loss.
4. Device used for calibration. Standard Test Tanks, Calibrated by ISO approved Laboratories.



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Report of Calibration

Client: <u>Abu Qfrah For Concrete</u>	Job No. : <u>AMC-02</u>
Project: <u>Concrete Batching Plant</u>	Dated: <u>11.10.2017</u>
Location: <u>Bani Malak (Abha)</u>	W.O <u>4474</u>

Type of

Equipment to be Aggregate Scale
Model: MI2020A

(Calibration Test Data)

	Standard Reading Or Applied Weight	Actual Reading or Indication	Deviation	%Error of the Applied Load
	Unit Kg.	Unit Kg.	Unit Kg.	
Manufacturer:				
Serial No.	<u>ACN224</u>	<u>20</u>	<u>20</u>	<u>0.0</u>
Capacity	<u>12000 Kg.</u>	<u>40</u>	<u>40</u>	<u>0.0</u>
Graduation:	<u>1 Kg.</u>	<u>60</u>	<u>60</u>	<u>0.0</u>
Verified Range:		<u>80</u>	<u>80</u>	<u>0.0</u>
Verification Date:	<u>11th October 2017</u>	<u>100</u>	<u>100</u>	<u>0.0</u>
Next Due Date:	<u>10th April 2018</u>	<u>200</u>	<u>200</u>	<u>0.0</u>
Calibrated By:	<u>M. Abou Babr</u>	<u>400</u>	<u>400</u>	<u>0.0</u>
Witnessed By:		<u>600</u>	<u>600</u>	<u>0.0</u>
		<u>800</u>	<u>800</u>	<u>0.0</u>
		<u>1000</u>	<u>1000</u>	<u>0.0</u>
		<u>1500</u>	<u>1500</u>	<u>0.0</u>
		<u>2000</u>	<u>2000</u>	<u>0.0</u>
		<u>2500</u>	<u>2500</u>	<u>0.0</u>
		Avg.	0.00	

Equipment Statuses: _____

Remarks:

1. The Above mentioned Weighing Scale of Batching Plant as Calibrated is accurate within Deviation of 0.00% of the applied load.
2. Calibration is required when ever the weighing Scale believed to be in error regardless of the time interval, Since the Last Calibration.
3. If the calibration goes out of order, due to any break down, malfunction or other reasons what so ever We (THUNAIHAH Consultants & Material testing) shall not be liable for any damage or loss.
4. Device used for calibration. Standard Test Weights, Calibrated by ISO approved Laboratories.

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رفع مساحي - مختبرات (ترية - خرسانة - أسفلت - مواد)

Report of Calibration

Client: Abu Qfrah For Concrete
Project: Concrete Batching Plant
Location: Bani Malak (Abha)

Job No. : AMC-02
Dated: 11.10.2017
W.O 4474

Type of

Equipment to be Cement Scale

Model:

MI2020A

(Calibration Test Data)

Manufacturer:

Serial No.

Capacity

Graduation:

Verified Range:

Verification Date:

Next Due Date:

Calibrated By:

Witnessed By:

N05207

1000 Kg.

1 Kg.

80

11th October 2017

10th April 2018

M. Abou Bah

600

800

1000

1200

1400

1600

2000

Standard Reading Or Applied Weight	Actual Reading or Indication	Deviation	%Error of the Applied Load
Unit Kg.	Unit Kg.	Unit Kg.	
20	20	0.0	0.0
40	40	0.0	0.0
60	60	0.0	0.0
80	80	0.0	0.0
100	100	0.0	0.0
200	200	0.0	0.0
400	400	0.0	0.0
600	599	-1.0	-0.2
800	798	-2.0	-0.3
1000	999	-1.0	-0.1
1200	1197	-3.0	-0.3
1400	1398	-2.0	-0.1
1600	1599	-1.0	-0.06
2000	1998	-2.0	-0.10
Avg.			-0.08

Equipment Statuses:

Remarks:

1. The Above mentioned Weighing Scale of Batching Plant as Calibrated is accurate within Deviation of -0.08% of the applied load.
2. Calibration is required when ever the weighing Scale believed to be in error regardless of the time interval, Since the Last Calibration.
3. If the calibration goes out of order, due to any break down, malfunction or other reasons what so ever We (THUNAIHAH Consultants & Material testing) shall not be liable for any damage or loss.
4. Device used for calibration. Standard Test Weights, Calibrated by ISO approved Laboratories.

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Report of Calibration

Client: Abu Qfrah For Concrete
Project: Concrete Batching Plant
Location: Bani Malak (Abha)

Job No. : AMC-02
Dated: 11.10.2017
W.O 4474

Type of
Equipment to be Water Meter
Model: COUNTER

(Calibration Test Data)

	Standard Reading Or Applied Weight	Actual Reading or Indication	Deviation	%Error of the Applied Load
	Unit Lt.	Unit Lt.	Unit Lt.	
Manufacturer:				
Serial No.	DHC2J	20	20	0
Capacity	500 Lt.	40	40	0
Graduation:	1 Kg.	80	80	0
Verified Range:		100	100	0
Verification Date:	11 th October 2017	120	120	0
Next Due Date:	10 th April 2018	140	140	0
Calibrated By:	M. Abou Babr	180	180	0
Witnessed By:		200	200	0
		220	220	0
		250	250	0
			Avg.	0.00

Equipment Statuses:

Remarks:

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- Calibration is required when ever the weighing Scale believed to be in error regardless of the time interval, Since the Last Calibration.
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Report of Calibration

Client: Abu Qfrah For Concrete
Project: Concrete Batching Plant
Location: Bani Malak (Abha)

Job No. : AMC-02
Dated: 11.10.2017
W.O 4474

Type of
Equipment to be Water Meter
Model: COUNTER

(Calibration Test Data)

	Standard Reading Or Applied Weight	Actual Reading or Indication	Deviation	%Error of the Applied Load
	Unit Lt.	Unit Lt.	Unit Lt.	
Manufacturer:				
Serial No.	DHC2J	20	20	0
Capacity	500 Lt.	40	40	0
Graduation:	1 Kg.	80	80	0
Verified Range:		100	100	0
Verification Date:	11 th October 2017	120	120	0
Next Due Date:	10 th April 2018	140	140	0
Calibrated By:	M. Abou Babr	180	180	0
Witnessed By:		200	200	0
		220	220	0
		250	250	0
			Avg.	0.00

Equipment Statuses: _____

Remarks:

1. The Above mentioned Water Scale of Batching Plant as Calibrated is accurate within the Deviation of 0.0% of the applied load.
2. Calibration is required when ever the weighing Scale believed to be in error regardless of the time interval, Since the Last Calibration.
3. If the calibration goes out of order ,due to any break down ,malfunction or other reasons what so eve. We (THUNAIHAH Consultants & Material testing) shall not be liable for any damage or loss.
4. Device used for calibration. Standard Test Tanks, Calibrated by ISO approved Laboratories.



الرياض . ت : ٠١٤٦٢٦٨٩١ - ص.ب : ٢٥٠٨٤٨ - خميس مشيط - تليفاكس : ٠٧ ٢٢٠٤٣٣٠ - ص.ب : ٢٢٥ - الفروع : جدة - الدمام - جازان - نجران - الباحة - المدينة المنورة
Riyadh - Tel.:014626691 - P.O.Box : 250848 - KhamisMushayt-Tel.Fax:072204330-P.O.Box:325
Departments : Jeddah - Damam - Jazan - Najran - Albaha - Almadina
www.thunaiyah.com
E-mail : thunaiyah_1@thunaiyah.com - Thunaiyah@hotmail.com



THUNAIH
Consultants engineering

الثنائية السعودية للاستشارات الهندسية

دراسات - تصميم - تخطيط - إشراف - إدارة مشاريع
رفع مساحي - مختبرات (تربة - خرسانة - أسفلت - مواد)

W.O: 4474

CALIBRATION CERTIFICATE

NAME OF THE CUSTMER	Abu Qfrah (Block Al Riyadh)
TYPE OF MACHINE	- Truck Scale.
MODEL NO.	- ZM 305
SERIAL NO.	- 150650725
CAPACITY	- 100.000KgX20kg
DATE OF CALIBRATION	- 11.10.2017
DATE OF EXPIRY	- 10.04.2018
CALIBRATED BY	- <i>M. Abu Bakr</i>

OUTLINE OF CALIBRATION PROCEDURE	:The TRUCK SCALE was first checked visually and then measurement were performed covering the range from zero up to 25,000kg as shown in tables below afterwards. The Scale was calibrated by the standard weights (SASO/NMCL CERTIFIED)and procedures of SSA 128-129 (GS119-120/4989)&534/89 535/94
MEASURING STANDARDS	:Weight of accuracy class SASO REF NOS 08/77/MA59V 2010/65/40C 10/98/MA119M 10/64/MA38C
RESULT	



أرياض . ت : ٠١٤١٢٦٨٩١ - ص.ب : ٢٥٠٨٤٨ - خميس مشيط - تليفاكس : ٠٧ ٢٢٠٤٣٣٠ - ص.ب : ٢٢٥ - الفرع : جدة - لنمام - جزان - نجران - الباحة - المدينة المنورة

Riyadh - Tel.:014626891 - P.O.Box : 250848 - KhamisMushayt-Tel.Fax.:072204330-P.O.Box.:325

Departments : Jeddah - Damam - Jazan - Najran - Albaha - Almadina

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E-mail : thunaiah_1@thunaiah.com - Thunaiah@hotmail.com



الثنانية السعودية للاستشارات الهندسية

دراسات - تصميم - تخطيط - إشراف - إدارة مشاريع
رفع مساحي - مختبرات (تربة - خرسانة - أسفلت - مواد)

1	2	3	1	2	3
Applied Load (kg)	Error+/- (kg)	Result	Applied Load (kg)	Error+/- (kg)	Result
0	0.00	Ok	8000	0.00	Ok
100	0.00		9000	0.00	
200	0.00		10,000	0.00	
500	0.00		11,000	0.00	
1000	0.00		12,000	0.00	
1500	0.00		13,000	0.00	
2000	0.00		14,000	0.00	
2500	0.00		15,000	0.00	
3000	0.00		16,000	0.00	
3500	0.00		17,000	0.00	
4000	0.00		18,000	0.00	
5000	0.00		20,000	0.00	
6000	0.00		22,000	0.00	
7000	0.00		25,000	0.00	



الرياض - ت : ٠١٤١٢٦٨٩١ - ص ب : ٢٥٠٨٤٨ - خميس مشيط - تليفاكس : ٠٧٢٢٠٤٣٣٠ - ص ب : ٣٢٥ - الفروع : جدة - الدمام - جازان - نجران - الباحة - المدينة المنورة

Riyadh - Tel.:014626691 - P.O.Box : 250848 - KhamisMushayt-Tel.Fax.:072204330-P.O.Box.:325

Departments : Jeddah - Damam - Jazan - Najran - Albaha - Almadina

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فحوصات المختبر

Lab Tests

المستشاري: مكتب خزان للاستشارات الهندسية
المقاول: مؤسسة التقييد المعيز
المورد: مصنع أبو قفره

W.O. 4846

WORKSHEET FOR COMPRESSIVE STRENGTH OF CONCRETE / MORTAR SAMPLES

Project : فرع صيد

Type of Structure : (Location)

Tested By : (Name)

Computed By : (Name & Designation)
Mohd. Farhan

Checked By : (Name & Designation)

Brand of Cement: Portland Cement

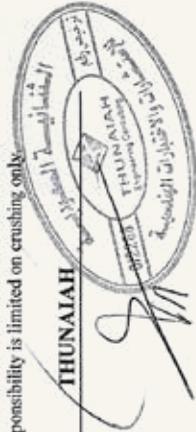
Class of Concrete:

Type of Sample : Concrete Cylinder

Specification : 350 kg/cm² after 28 days

Class	Field Sample No.	Part of Structure or Station Represented	Date Casted	Date Tested	Age At Time of Test	Cylinder Sample Dimension Ht., cm. Dia., cm.	X -Sec. Area cm. ²	Volume cm. ³	Weight grams	Unit Weight g /cm ³	Total Loads KN	Unit Strength kg/cm ²	Ave. Strength kg/cm ²	Equivalent Cube Strength (kg/cm ²)	Ave. Strength (kg/cm ²)
	1	صوب جدار العنلق الامتقادي السور	20.03.18	27.03.18	7 days	30 15	176.71	5301	13590	2.563	574.5	331.5	325.0	395.3	387.5
	2	الشملي الجزء الثاني					176.71	5301	13612	2.568	551.8	318.4	379.7		

N.B : 1- Samples are taken and cured by the contractor.
2- Our responsibility is limited on crushing only.

THUNAIH


الإستشاري: مكتب خزاز للإستشارات الهندسية
المقاول: مؤسسة التشييد المميز
المورد: مصنع أبو ققره

W.O. 4846

WORKSHEET FOR COMPRESSIVE STRENGTH OF CONCRETE / MORTAR SAMPLES

Project : فرع عسير (Location)

Type of Structure : (Name) Brand of Cement: Class of Concrete:

Tested By : (Name & Designation) (Date)

Computed By : Mohd. Farhan (Name & Designation) (Date)

Checked By : (Name & Designation) (Date)

Class	Field Sample No.	Part of Structure or Station Represented	Date Casted	Date Tested	Age At Time of Test	Cylinder Dimension		X-Sec. Area cm. ²	Volume cm. ³	Weight grams	Unit Weight g./cm. ³	Total Loads KN	Unit Strength kg/cm ²	Ave. Strength kg/cm ²	Equivalent Cube Strength (kg/cm ²)	Ave. Strength Cube (kg/cm ²)
						Ht., cm.	Dia., cm.									
	1	صوب جدار المخطط الاستملاكي السور الشمالي الجزء الثاني	20.03.18	17.04.18	28 days	30	15	176.71	5301	14120	2.663	664.8	383.6	385.2	457.5	459.4
	2							176.71	5301	14096	2.659	670.3	386.8		461.2	

Type of Sample : Concrete Cylinder
Specification : 350 kg/cm² after 28 days

N.B : 1- Samples are taken and cured by the contractor.
2- Our responsibility is limited on crushing only.

THUNAIAH
CONSULTANTS ENGINEERING
المشرف على الاختبار
مؤسسة التشييد المميز
الإستشاري



ملاحظة : تم أخذ العينات بعرفه المقاول دون اننى مسؤولة على الثانية السعودية للاختبارات الهندسية.

الإستشاري: مكتب خزاز للاستشارات الهندسية
المقاول: مؤسسة التقييد المميز
المورد: مصنع أبو قفقره

W.O. 4752

WORKSHEET FOR COMPRESSIVE STRENGTH OF CONCRETE / MORTAR SAMPLES

Project : فرع عمير (Location)

Type of Structure : _____ (Location)

Tested By : _____ (Name)

Computed By : _____ (Name & Designation)
Mohd. Farhan (Date)

Checked By : _____ (Name & Designation)
_____ (Date)

_____ (Name & Designation)
_____ (Date)

Brand of Cement: _____ Portland Cement Class of Concrete: _____

Type of Sample : Concrete Cylinder
Specification : 350 kg/cm² after 28 days

Class	Field Sample No.	Part of Structure or Station Represented	Date Casted	Date Tested	Age At Time of Test	Cylinder Sample Dimension		X-Sec. Area cm. ²	Volume cm. ³	Weight grams	Unit Weight g /cm ³	Total Loads KN	Unit Strength kg/cm ²	Ave. Strength kg/cm ²	Equivalent Cube Strength (kg/cm ²)	Ave. Strength (kg/cm ²)
						Hi., cm.	Dia., cm.									
	1	صوب جدار الحائط الإحتياكي المور	12.03.18	19.03.18	7 days	30	15	176.71	5301	13360	2.520	536.2	309.4	316.7	369.0	377.6
	2	الشمالي الجزء الأول						176.71	5301	13410	2.530	548.8	316.7	316.7	377.6	
	3							176.71	5301	13506	2.548	561.4	323.9	386.3	386.3	

N.B: 1- Samples are taken and cured by the contractor.
2- Our responsibility is limited on crushing only.

THUNAI AH
012228
الثانية السعودية للاختبارات الهندسية
THUNAI AH
Engineering Consultant
مكتب خزاز للاستشارات الهندسية



الاستشاري : مكتب خزاز للاستشارات الهندسية
المقاول : مؤسسة التشييد المعيز
المورد : مصنع أبو قفراه

W.O. 4752

WORKSHEET FOR COMPRESSIVE STRENGTH OF CONCRETE / MORTAR SAMPLES

Project : فرع عمير (Location)

Type of Structure : (Name)

Tested By : Brand of Cement: Portland Cement Class of Concrete:

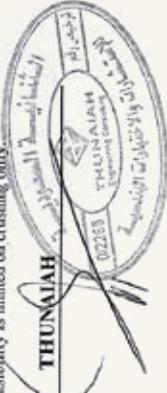
Computed By : (Name & Designation) (Date)
Mohd. Farhan

Checked By : (Name & Designation) (Date)

Type of Sample : Concrete Cylinder
Specification : 350 kg/cm² after 28 days

Class	Field Sample No.	Part of Structure or Station Represented	Date Casted	Date Tested	Age At Time of Test	Cylinder Sample Dimension		X -Sec. Area cm. ²	Volume cm. ³	Weight grams	Unit Weight g/cm ³	Total Loads KN	Unit Strength kg/cm ²	Ave. Strength kg/cm ²	Equivalent Cube Strength (kg/cm ²)	Ave. Strength Cube (kg/cm ²)
						Ht., cm.	Dia., cm.									
	1	صوب جدار المحطة الاستنادي السور الشمالي الجزء الأول	12.03.18	09.04.18	28 days	30	15	176.71	5301	13600	2.565	656.2	378.7	389.4	451.5	
	2							176.71	5301	13519	2.550	681.5	393.3	469.0		
	3							176.71	5301	13530	2.552	687.0	396.4	472.7		

N.B: 1- Samples are taken and cured by the contractor.
2- Our responsibility is limited on crushing only.



ملاحظة : تم أخذ العينات بمرقة المقبول دون انفس مسؤولية على الشأنية السعودية للإختبارات الهندسية.

الثقافية السعودية للإختبارات و الإستشارات الهندسية
THUNAIHAH for TESTING & ENGINEERING CONSULTANTS



الإستشاري : مكتب خزان للإستشارات الهندسية
المقاول : مؤسسة التشييد المعيز
المورد : مصنع أبو قفرة

W.O. 4737

WORKSHEET FOR COMPRESSIVE STRENGTH OF CONCRETE / MORTAR SAMPLES

Project : فرج صوير (Location)

Type of Structure : _____ Class of Concrete: _____

Tested By : _____ Portland Cement : _____

Computed By : Mohd. Farhan (Name & Designation) (Date)

Checked By : _____ (Name & Designation) (Date)

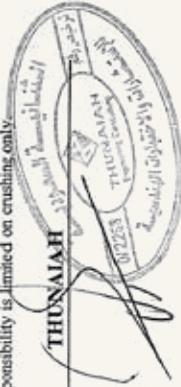
Type of Sample : Concrete Cylinder

Specification : 350 kg/cm² after 28 days

Class	Field Sample No.	Part of Structure or Station Represented	Date Casted	Date Tested	Age At Time of Test	Cylinder Sample Dimension		X -Sec. Area cm. ²	Volume cm. ³	Weight grams	Unit Weight g/cm ³	Total Loads KN	Unit Strength kg/cm ²	Ave. Strength kg/cm ²	Equivalent Cube Strength (kg/cm ²)	Ave. Strength Cube (kg/cm ²)
						Ht., cm.	Dia., cm.									
	1	صبة قاعدة المبنى الإستراتيجي السور الشمالي	26.02.18	05.03.18	7 days	30	15	176.71	5301	13455	2.538	493.0	284.5	339.2	339.2	
	2							176.71	5301	13930	2.628	550.8	317.8	289.2	379.0	344.8
	3							176.71	5301	13510	2.548	489.5	265.1	316.2	316.2	

ملاحظته : تم أخذ العينات بمعرفه المطول دون اخطى مسئولية على الثقافية السعودية للإختبارات الهندسية.

N.B : 1- Samples are taken and cured by the contractor.
2- Our responsibility is limited on crushing only.



الثقافية السعودية للإختبارات و الإستشارات الهندسية
THUNAIHAH for TESTING & ENGINEERING CONSULTANTS



الاستشاري: مكتب خزاز للاستشارات الهندسية
المقاول: مؤسسة التشييد المعيز
المورد: مصنع أبو قفراه

W.O. 4737

WORKSHEET FOR COMPRESSIVE STRENGTH OF CONCRETE / MORTAR SAMPLES

Project : فرع عسير (Location)

Type of Structure : (Name)

Tested By : Brand of Cement: Portland Cement Class of Concrete:

Computed By : (Name & Designation) Mohd. Farhan (Date)

Checked By : (Name & Designation) (Date)

Type of Sample : Concrete Cylinder
Specification : 350 kg/cm² after 28 days

Class	Field Sample No.	Part of Structure or Station Represented	Date Casted	Date Tested	Age At Time of Test	Cylinder Sample Dimension		X -Sec. Area cm. ²	Volume cm. ³	Weight grams	Unit Weight g /cm ³	Total Loads KN	Unit Strength kg/cm2	Ave. Strength kg/cm2	Equivalent Cube Strength (kg/cm2)	Ave. Strength Cube (kg/cm ²)
						Ht., cm.	Dia., cm.									
	1	صوب قاعدة المحطة الاستاذي السور الشمالي	26.02.18	26.03.18	28 days	176.71	5301	14120	2.663	621.7	358.7	427.8	372.4	453.8	444.1	
	2					176.71	5301	13890	2.620	659.5	380.6	453.8	378.0	450.8		
	3					176.71	5301	13866	2.616	655.1	378.0					

N.B : 1- Samples are taken and cured by the contractor.
2- Our responsibility is limited on crushing only.





الثانية السعودية للاختبارات و الإستشارات الهندسية
THUNAJAH for TESTING & ENGINEERING CONSULTANTS

Consultant : الإستشاري: مكتب خزان للاستشارات الهندسية
Contractor : المقاول : مؤسسة التشييد المعيز
المورد: مصنع أبو قفرة

W.O. 4752

WORKSHEET FOR COMPRESSIVE STRENGTH OF CONCRETE / MORTAR SAMPLES

Project : فرع عسير (Location)

Type of Structure : _____ Class of Concrete: _____

Tested By : _____ (Name)

Computed By : Mohd. Farhan (Name & Designation) (Date)

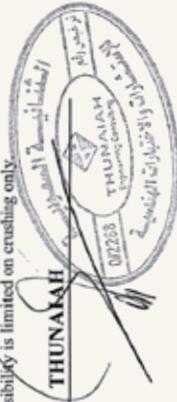
Checked By : _____ (Name & Designation) (Date)

Type of Sample : Concrete Cylinder

Specification : 350 kg/cm² after 28 days

Class	Field Sample No.	Part of Structure or Station Represented	Date Casted	Date Tested	Age At Time of Test	Cylinder Sample Dimension		X -Sec. Area cm. ²	Volume cm. ³	Weight grams	Unit Weight g/cm ³	Total Loads KN	Unit Strength kg/cm ²	Ave. Strength kg/cm ²	Equivalent Cube Strength (kg/cm ²)	Ave. Strength Cube (kg/cm ²)
						Ht., cm.	Dia., cm.									
	1	قوس الوجهة الأمامية الجزء الثاني	11.02.18	18.02.18	7 days	30	15	176.71	5301	13300	2.509	590.0	340.5	344.8	406.0	411.2
	2							176.71	5301	13456	2.538	605.1	349.2	416.4		

N.B : 1- Samples are taken and cured by the contractor.
2- Our responsibility is limited on crushing only.





الثانية السعودية للاختبارات و الإستشارات الهندسية
THUNAIHAH for TESTING & ENGINEERING CONSULTANTS

Consultant : _____
 Contractor : _____
 الاستشاري: مكتب خزان للاستشارات الهندسية
 المقاول: مؤسسة التشييد المميز
 المورد: مصنع أبو قفراه

W.O. 4752

WORKSHEET FOR COMPRESSIVE STRENGTH OF CONCRETE / MORTAR SAMPLES

Project : فرج عسير (Location)

Type of Structure : _____ (Location)

Tested By : _____ (Name)

Computed By : Mohd. Farhan (Name & Designation) (Date)

Checked By : _____ (Name & Designation) (Date)

Portland Cement : _____ (Name)

Brand of Cement : _____ (Name)

Class of Concrete: _____ (Location)

Type of Sample : Concrete Cylinder

Specification : 350 kg/cm² after 28 days

Class	Field Sample No.	Part of Structure or Station Represented	Date Casted	Date Tested	Age At Time of Test	Cylinder Sample Dimension		X-Sec. Area cm. ²	Volume cm. ³	Weight grams	Unit Weight g/cm ³	Total Loads KN	Unit Strength kg/cm ²	Ave. Strength kg/cm ²	Equivalent Cube Strength (kg/cm ²)	Ave. Strength Cube (kg/cm ²)
						Ht., cm.	Dia., cm.									
	1	قوس الوجهة الامامية لجزء الثاني	11.02.18	11.03.18	28 days	30	15	176.71	5301	13508	2.548	750.9	433.3	415.5	516.7	495.5
	2							176.71	5301	13481	2.543	689.2	397.7		474.3	

N.B: 1- Samples are taken and cured by the contractor.
 2- Our responsibility is limited on crushing only.





الثقافية السعودية للإختبارات و الإستشارات الهندسية
THUNAIAH for TESTING & ENGINEERING CONSULTANTS

Consultant : _____
Contractor : _____
الإستشاري : مكتب خزاز للإستشارات الهندسية
المقاول : مؤسسة التشييد المميز
المورد : مصنع أبو قفرة

W.O. 4752

WORKSHEET FOR COMPRESSIVE STRENGTH OF CONCRETE / MORTAR SAMPLES

Project : _____ (Location)

Type of Structure : _____ Class of Concrete: _____

Tested By : _____ (Name) _____ Portland Cement _____

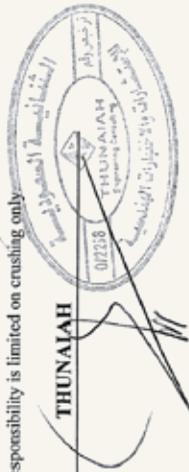
Computed By : _____ (Name & Designation) _____ (Date)

Checked By : _____ (Name & Designation) _____ (Date)

Type of Sample : Concrete Cylinder
Specification : 350 kg/cm² after 28 days

Class	Field Sample No.	Part of Structure or Station Represented	Date Casted	Date Tested	Age At Time of Test	Cylinder Sample Dimension		X -Sec. Area cm. ²	Volume cm. ³	Weight grams	Unit Weight g/cm ³	Total Loads KN	Unit Strength kg/cm ²	Ave. Strength kg/cm ²	Equivalent Cube Strength (kg/cm ²)	Ave. Strength Cube (kg/cm ²)
						Ht., cm.	Dia., cm.									
	1	قوس الوجهة الامامية الجزء الاول	30/01/18	06/02/18	7 days	30	15	176.71	5301	13512	2.549	569.4	328.6	320.1	391.8	381.7
	2							176.71	5301	13290	2.507	540.1	311.7	371.7		

N.B: 1- Samples are taken and cured by the contractor.
2- Our responsibility is limited on crushing only.





THUNAIHAH
CONSULTANTS

الثانية السعودية للاختبارات و الإستشارات الهندسية

THUNAIHAH for TESTING & ENGINEERING CONSULTANTS

الإستشاري : مكتب خزاز للإستشارات الهندسية
المقاول : مؤسسة التشييد المعيز
المورد : مصنع أبو ققره

W.O. 4752

WORKSHEET FOR COMPRESSIVE STRENGTH OF CONCRETE / MORTAR SAMPLES

Project : فرع عسير (Location)

Type of Structure : (Name)

Tested By : Brand of Cement: Portland Cement Class of Concrete:

Computed By : (Name & Designation) (Date)

Checked By : (Name & Designation) (Date)

Type of Sample : Concrete Cylinder
Specification : 350 kg/cm² after 28 days

Class	Field Sample No.	Part of Structure or Station Represented	Date Casted	Date Tested	Age At Time of Test	Cylinder Sample Dimension	X -Sec. Area	Volume	Weight	Unit Weight	Total Loads	Unit Strength	Ave. Strength	Equivalent Cube Strength	Ave. Strength
						Ht., cm. Dia., cm.	cm. ²	cm. ³	grams	g /cm ³	KN	kg/cm2	kg/cm2	(kg/cm2)	kg/cm ²
	1	قوس الواجهة الامامية الجزء الازل	30.01.18	27.02.18	28 days	30 15	176.71	5301	13405	2.529	704.6	406.6	389.8	484.8	464.9
	2						176.71	5301	13596	2.565	646.5	373.1	444.9		

N.B : 1- Samples are taken and cured by the contractor.
2- Our responsibility is limited on crushing only.

THUNAIHAH
مكتب خزاز للإستشارات الهندسية
THUNAIHAH CONSULTANTS
مكتب خزاز للإستشارات الهندسية

ملاحظته : تم أخذ العينات لمعرفة المقاول دون التي مسنوية على الثانية السعودية للاختبارات الهندسية.

Consultant : _____
 Contractor : _____
 الاستشاري : شركة الاتحاد الهندسي السعودي خطيب و علمي
 المقاول : شركة الراجحي للمقاولات
 المورد : شركة ابو قرة للخرسانة جاهزة

W.O. 3092

WORKSHEET FOR COMPRESSIVE STRENGTH OF CONCRETE / MORTAR SAMPLES

Project : _____ (Location)
 Type of Structure : _____
 Tested By : _____
 Computed By : _____
 Checked By : _____

Brand of Cement: _____
 Portland Cement: _____
 Class of Concrete: _____

(Name & Designation) _____
 (Date) 11.08.15
 Mohd. Farhan
 (Name & Designation) _____
 (Date) 11.08.15
 Eng. Yunis Ali
 (Name & Designation) _____
 (Date) 11.08.15

Type of Sample : Concrete Cylinder
 Specification : 30 Mpa after 28 days

Class	Field Sample No.	Part of Structure or Station Represented	Date Casted	Date Tested	Age At Time of Test	Cylinder Sample Dimension		X -Sec. Area cm. ²	Volume cm. ³	Weight grams	Unit Weight g /cm ³	Total Loads KN	Unit Strength Mpa	Ave. Strength Mpa	Slump mm.	Remarks Type of Break, etc.
						Ht., cm.	Dia., cm.									
	1	الحطة الثانية 3-7-8 الجزء	04.08.15	11.08.15	7 days	30	15	176.8	5304	13008	2.453	520.9	29.5	28.1		
	2							176.8	5304	13015	2.454	499.0	28.2			
	3							176.8	5304	12930	2.438	501.8	28.4			
	4							176.8	5304	12946	2.441	466.1	26.4			

Checked by _____
 Engr. Yunus Mohd


Tested by _____
 Leek



THUNAIHAH for TESTING & ENGINEERING CONSULTANTS

(Tel. & Fax Khamis Mushayt: 017-2383249)

Contractor : _____
Contractor : _____
 الاستشاري : شركة الاتحاد الهندسي السعودي خطيب و علمي
 المقاول : شركة الراجحي للمقاولات
 المورد : شركة ابو قفرا للخرسانة جاهزة

W.O. 3090 & 3125

WORKSHEET FOR COMPRESSIVE STRENGTH OF CONCRETE / MORTAR SAMPLES

Project : _____ موقع رقم (31) بئر
 (Name)
Type of Structure : _____
 (Location)
Tested By : _____
 Portland Cement _____ Class of Concrete: _____
 (Date) 29.08.15
Computed By : _____
 Mohd. Farhan
 (Name & Designation)
 (Date) 29.08.15
Checked By : _____
 (Name & Designation)
 (Date) 29.08.15

Class	Field Sample No.	Part of Structure or Station Represented	Date Casted	Date Tested	Age At Time of Test	Cylinder		X -Sec. Area cm. ²	Volume cm. ³	Weight grams	Unit Weight g./cm. ³	Total Loads KN	Unit Strength Mpa	Ave. Strength Mpa	Slump mm.	Remarks Type of Break, etc.
						Ht., cm.	Sample Dia., cm.									
	1	قواعد مسلحة المبنى الرئيسي	01.08.15	29.08.15	28 days	30	15	176.8	5304	13120	2.474	546.1	30.9	31.4		
	2							176.8	5304	13127	2.475	581.7	32.9			
	3							176.8	5304	13096	2.469	551.4	31.2			
	4							176.8	5304	13080	2.466	550.8	31.2			
	5							176.8	5304	13115	2.473	582.3	32.9			
	6							176.8	5304	13055	2.462	543.5	30.7			
	7							176.8	5304	13078	2.466	539.5	30.5			
	8							176.8	5304	13197	2.488	546.1	30.9			
	9							176.8	5304	13215	2.492	570.0	32.2			
	10							176.8	5304	13188	2.487	538.0	30.4			

THUNAIHAH

Engr. Ezzuddin H.H.

Tested by _____
Ameen

Consultant : _____
 Contractor : _____
 الاستشاري : شركة الاتحاد الهندسي السعودي خطيب و علمي
 المقاول : شركة الراجحي للمقاولات
 المورد : شركة ابو قفرة للخرسانة جاهزة

W.O. 3092

WORKSHEET FOR COMPRESSIVE STRENGTH OF CONCRETE / MORTAR SAMPLES

Project : _____
 Type of Structure : _____ (Location)
 Tested By : _____ Portland Cement : _____ Class of Concrete : _____
 Computed By : _____ (Name & Designation)
 Mohd. Farhan (Date) 11.08.15
 Checked By : _____ (Name & Designation)
 Eng. Yunis Ali (Date) 11.08.15

مقرر الدوريات الامتية (151)
 Type of Sample : Concrete Cylinder
 Specification : 30 Mpa after 28 days

Class	Field Sample No.	Part of Structure or Station Represented	Date Casted	Date Tested	Age At Time of Test	Cylinder Sample Dimension		X -Sec. Area cm. ²	Volume cm. ³	Weight grams	Unit Weight g/cm ³	Total Loads K.N	Unit Strength Mpa	Ave. Strength Mpa	Slump mm.	Remarks Type of Break, etc.
						Ht., cm.	Dia., cm.									
	1							176.8	5304	13008	2.453	520.9	29.5			
	2	جدار امتي	04.08.15	11.08.15	7 days	30	15	176.8	5304	13015	2.454	499.0	28.2	28.1		
	3							176.8	5304	12930	2.438	501.8	28.4			
	4							176.8	5304	12946	2.441	466.1	26.4			

Checked by : _____ Tested by : _____

Eng. Yunis Mohamed Ali
 Eng. Mustafa

Leek

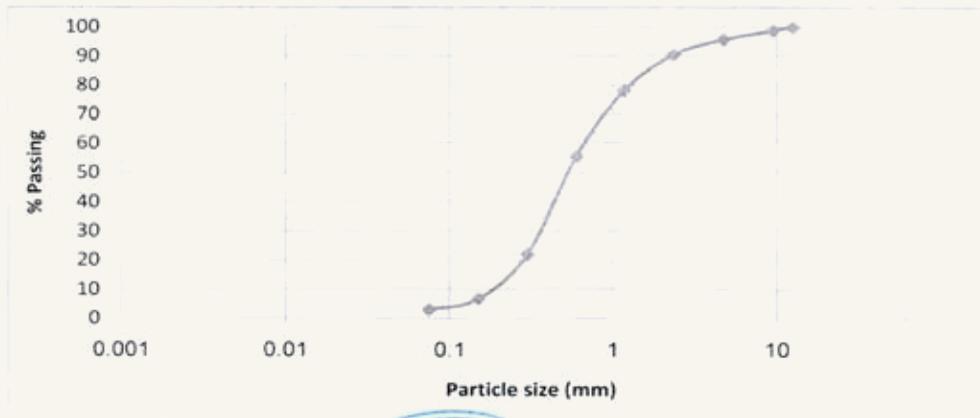


SIEVE ANALYSIS

CONSULTANT : Khatib & Alami
 CONTRACTOR : Al-Rajhi Co.
 PROJECT : _____

DESCRIPTION : N Sand (Sample-2) W.O. : 3097
 Weight of Sample (Grams) Date: 10.08.2015
 Original = 1411.0
 Oven Dry = 1407.0
 Wash Oven Dry = 1388.7

Sieve Size	Weight Retained (Grams)	Cum. Wt. Passing (Grams)	Cum. Passing (Percent)	Cum. Retained (Percent)	Retained (Percent)	Specifications (Percent)	Remarks
(mm)							
3"	75.0						
2"	50.0						
1 1/2"	37.5						
1"	25.0						
3/4"	19.5						
1/2"	12.5	4.1	1402.9	99.7	0.3		
3/8"	9.5	18.5	1388.5	98.7	1.3		
# 4	4.75	62.6	1344.4	95.6	4.4		
# 8	2.36	135.1	1271.9	90.4	9.6		
# 16	1.18	308.9	1098.1	78.0	22.0		
# 30	0.60	627.6	779.4	55.4	44.6		
# 50	0.30	1098.7	308.3	21.9	78.1		
# 100	0.15	1313.2	93.8	6.7	93.3		
# 200	0.075	1365.4	41.6	3.0			
Pan		18.5					
Wash passing No 200				F.M = 2.54			
Total							



THUNAIH



TESTED BY

Abdurrahman

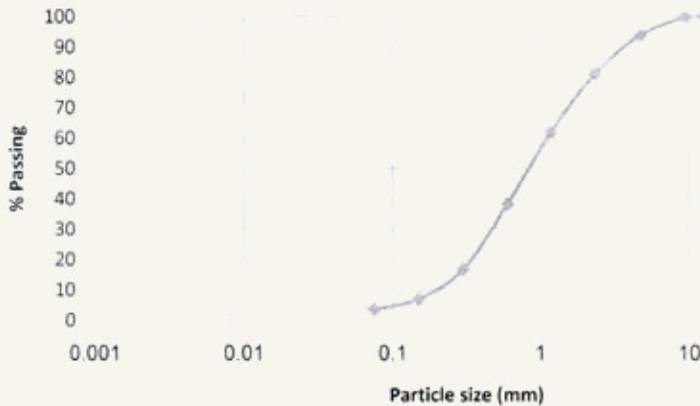


SIEVE ANALYSIS

CONSULTANT : Khatib & Alami
 CONTRACTOR : Al-Rajhi Co.
 PROJECT : _____

DESCRIPTION : N Sand (Sample-1) W.O. : 3097
 Weight of Sample (Grams) : _____ Date: 10.08.2015
 Original = 1338.1
 Oven Dry = 1298.8
 Wash Oven Dry = 1267.9

Sieve Size	Weight Retained (Grams)	Cum. Wt. Passing (Grams)	Cum. Passing (Percent)	Cum. Retained (Percent)	Retained (Percent)	Specifications (Percent)	Remarks
3"	75.0						
2"	50.0						
1 1/2"	37.5						
1"	25.0						
3/4"	19.5						
1/2"	12.5	0	1298.8	100.0	0.0		
3/8"	9.5	4.9	1293.9	99.6	0.4		
# 4	4.75	82.9	1215.9	93.6	6.4		
# 8	2.36	246.8	1052.0	81.0	19.0		
# 16	1.18	498.7	800.1	61.6	38.4		
# 30	0.60	803.4	495.4	38.1	61.9		
# 50	0.30	1082.8	216.0	16.6	83.4		
# 100	0.15	1208.5	90.3	7.0	93.0		
# 200	0.075	1253.1	45.7	3.5			
Pan		32.7					
Wash passing No 200				F.M = 3.02			
Total							



THUNAI AH



TESTED BY

Abdurrahman



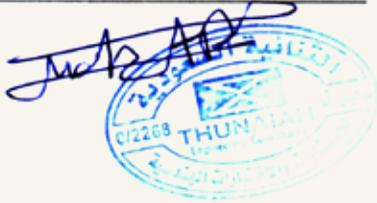
الشابفة السعوبفة للاختبارات و الاستشارات الهندسفة
THUNAI AH for TESTING & ENGINEERING CONSULTANTS
 (Tel. & Fax Khamis Mushayt: 017-2383249)

CHEMICAL ANALYSIS OF AGGREGATE

CLIENT : شركة ابو قفرة للخرسانة : W.O. : 3097
 Description : N. Sand : Date : 10.08.2015

S.No.	DESCRIPTION	TEST RESULTS			
		pH	TDS	Chloreide (Cl)	Sulphate (SO3)
1	Sand (Sample-1)	7.2	380	90	73

THUNAI AH



Tested By

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الثانية السعودية للاختبارات و الإستشارات الهندسية
THUNAIH for TESTING & ENGINEERING CONSULTANTS
 (Tel. & Fax Khamis Mushayt: 017-2383249)

CHEMICAL ANALYSIS OF AGGREGATE

CLIENT : شركة أبو قفرة للخرسانة :
 Description : N. Sand

W.O. : 3097
 Date : 10.08.2015

S.No.	DESCRIPTION	TEST RESULTS			
		pH	TDS	Chloreide (Cl ⁻)	Sulphate (SO ₃)
1	Sand (Sample-2)	7.2	380	90	73

THUNAIH



Tested By

Abdurrahman



الثانية السعودية للاختبارات و الاستشارات الهندسية
THUNAIH for TESTING & ENGINEERING CONSULTANTS
 (Tel. & Fax Khamis Mushayt: 017-2383249)

CLIENT : شركة ابو قفرة للخرسات : W.O. : 3097
 Description : Sand (Sample-1) : Date : 10.08.2015

<i>Work Sheet Sand Equivalent</i>			
Trial No	1	2	3
Sand Height (mm)	9.4	9.6	9.7
Clay Flocc Height (mm)	21.6	23.2	23.8
Calculated Sand Equivalent	43.5	41.4	40.8
Adjusted Sand Equivalent	44	41	41
Average Sand Equivalent		41.9	
Adjusted Average Sand Equivalent		42	

Remarks:

THUNAIH

Tested by

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الثنائية السعودية للاختبارات و الاستشارات الهندسية
THUNAI AH for TESTING & ENGINEERING CONSULTANTS
 (Tel. & Fax Khamis Mushayt: 017-2383249)

CLIENT : شركة أبو قفرة للخرسانة : W.O. : 3097
 Description : Sand (Sample-2) : Date : 10.08.2015

<i>Work Sheet Sand Equivalent</i>			
Trial No	1	2	3
Sand Height (mm)	11.0	10.0	10.8
Clay Flocc Height (mm)	12.2	12.3	12.5
Calculated Sand Equivalent	90.2	81.3	86.4
Adjusted Sand Equivalent	90	81	86
Average Sand Equivalent		86.0	
Adjusted Average Sand Equivalent		86	

Remarks:

THUNAI AH

Tested by

Abdurrahman



THUNAIAH for TESTING & ENGINEERING CONSULTANTS

(Tel. & Fax Khamis Mushayt: 017-2383249)

Consultant : _____
 Contractor : _____
 الاستشاري : شركة الاتحاد الهندسي السعودي خطيب و علمي
 المقاول : شركة الراجحي للمقاولات
 المورد : شركة ابو قفرا للخرسنة جاهزة

W.O. 3092 & 3134

WORKSHEET FOR COMPRESSIVE STRENGTH OF CONCRETE / MORTAR SAMPLES

Project : مينى ادارة المجهزين (151) بالمحطة (Location)
 Type of Structure : _____ Class of Concrete: _____
 Tested By : 11.08.15 Portland Cement: _____
 Computed By : (Name & Designation) Mohd. Farhan (Date)
 Checked By : (Name & Designation) _____ (Date) 11.08.15
 (Name & Designation) _____ (Date)

Class	Field Sample No.	Part of Structure or Station Represented	Date Casted	Date Tested	Age At Time of Test	Cylinder Sample Dimension		X-Sec. Area cm. ²	Volume cm. ³	Weight grams	Unit Weight g/cm ³	Total Loads KN	Unit Strength Mpa	Ave. Strength Mpa	Slump mm.	Remarks Type of Break, etc.
						Ht., cm.	Dia., cm.									
	1							176.8	5304	13180	2.485	730.4	41.3			
	2							176.8	5304	13088	2.468	733.7	41.5			
	3							176.8	5304	13065	2.463	730.4	41.3			
	4	الحملة للفتية 3-7-8 الجراء	04.08.15	11.08.15	7 days	30	15	176.8	5304	13100	2.470	729.7	41.3	41.2		
	5							176.8	5304	13022	2.455	716.4	40.5			
	6							176.8	5304	13010	2.453	725.4	41.0			

THUNAIAH

Eng. Ezzuddin H.H



Tested by

Ameen



SCHMIDT HAMMER TEST WORKSHEET

CLIENT	شركة أبو قفرة	DATE	09.09.2015
PROJECT	عمارة الحاج/ أحمد عبدالله ال يحيى	W.O.	3133
Tested Structure	عمود	Page	1 of 1
Age	7 days	α	0°

Test No.	HAMMER READINGS			AVG. READINGS	COMPRESSIVE STRENGTH (Mpa)	COMPRESSIVE STRENGTH (Kg/cm ²)
1	39	31	37	33.7	28.9	294.7
	38	29	28			
	30	32	36			
		37				

THUNAIH





الثانية السعودية للإختبارات و الإستشارات الهندسية

THUNAIH for TESTING & ENGINEERING CONSULTANTS

(Tel. & Fax Khamis Mushayt: 017-2383249)

CLIENT

: Abu Qafrah

W.O. : 4200

PROJECT

: Block Plant

DATE :

: 27.02.2017

Concrete Core Compressive Strength Results

S.No.	Part of Structure/Station Represented	Dimension		Ratio	Area (cm ²)	Weight grams	Load (KN)	Coring Factor	Strength Corr. Factor	Equiv. Strength (Mpa)	Equiv. Strength (Kg/cm ²)	Average (kg/cm ²)
		L (cm)	d (cm)									
1	بلوره	15.0	10.0	1.50	78.6	2081.2	53.0	1.06	1.00	7.2	72.9	82.4
2		15.0	10.0	1.50	78.6	2112.0	67.0	1.06	1.00	9.0	92.2	
3		15.0	10.0	1.50	78.6	2103.2	59.6	1.06	1.00	8.0	82.0	

ملاحظه : تم اخذ العينات بمعرفه المقاول دون ادنى مسئولية على الثانية السعودية للإختبارات الهندسية.



THUNAIH