

TEYSEER LABORATORIES
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LABORATORY TEST REPORT

TEST REPORT OF THE SOUNDNESS

TESTED TO ASTM C 88-1990

SHEET No.	10333	LAB No		TLC No.	589
CLIENT	--				
CONTRACTOR	M/s. DESERT DIAMOND TRADING CO.				
PROJECT	GABBRO AGGREGATES SUPPLY				
SAMPLE ID	0115				
DATE OF SAMPLING (SITE)	02/01/2012	SAMPLE RECEIVED DATE (LAB)	02/01/2012		
MATERIAL DESCRIPTION	GABBRO AGGREGATES : 10.0MM	TESTING DATE	08/01/2012		
SOURCE OF MATERIAL	AL FUJAIRA. UAE	REPORTING DATE	08/01/2012		
SAMPLED BY	LAB TECHNICIAN	DELIVERED BY	LAB TECHNICIAN		
NO. OF CYCLES	5	CONDITION OF SAMPLE RECEIVED	SATISFACTORY		

TEST RESULTS


Test	Method	Result Obtained (%)
SOUNDNESS	Procedure - 8	2.8

QCS Limits : Coarse aggregates use in Asphalt. Maximum 15% for BC & IC Type-1 & Maximum 10% For SC Type-1 And Maximum 18% for fine Aggregates And For Coarse & Fine Aggregates used in Concrete 15% Max.

Remarks :

Doc. No. F 123, Rev-01, 10th April, 2011

Mahmoud T.Ali
Laboratory Manager :


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طابق للمختبر

TEST REPORT OF THE SHELL CONTENT

Client	-	Sheet No. : 085	
Contractor	M/s. DESERT DIAMOND TRAD.		
Project	SUPPLY OF AGGREGATE		
Material	AGG. 10mm / GABBRO	Source	AL FUJAIRAH
Sampled by	LAB TECHNCIAN	Sample date	02/01/2012
Test date	07/01/2012	Reporting date	08/01/2012
Sample ID NO.	115	TLC NO	587

Tested to BS 812 : PART 106 : 1985

Test	Method	Result obtained (%)
SHELL CONTENT	Procedure. 6	0.0

QCS limits : Maximum 3 % fine & course aggregate

Remarks : Sampled and delivered by contractor

MAHMOUD T. ALI

LABORATORY MANAGER

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Doc No. F 121A Rev. 01, 29th of Sept. 2011.

ما يقابلها

TEST REPORT OF THE CLAY LUMPS & FRIABLE PARTICLES

Client	-	Sheet No : 107	
Contractor	M/s. DESERT DIAMOND TRAD.		
Project	SUPPLY OF AGGREGATE		
Material	AGG. 10mm / GABBRO	Source	AL FUJAIRAH
Sample by	LAB TECHNICIAN	Sample date	02/01/2012
Test date	07/01/2012	Reporting date	08/01/2012
Sample ID NO	115	TLC NO	585

TO ASTM C 142-78 : 1990:Procedure - 7

Test	Method	Results obtained (%)
Clay lumps & friable particles	Procedure. 6	0.3

QCS limits : Maximum 3 % for fine & 2 % for coarse aggregates , for Concrete use
QCS Limits for Asphalt use : For Fines and Coarse must be free

Remarks : Sampled & delivered by the Contractor

MAHMOUD T. ALI

LABORATORY MANAGER

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تأسست في 2007 في قطر
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Doc. No. F105A Rev. 01, 1st of September 2011.

مطابق المواصفات

TEST REPORT OF THE BULK DENSITY OF AGGREGATES (Unrodded)

Client	-	SH. No. : 114	
Contractor	M/s. DESERT DIAMOND TRAD.		
Project	SUPPLY OF AGGREGATE		
Material	AGG. 10mm / GABBRO	Source	AL FUJAIRAH
Sampled by	LAB TECHNICIAN	Sample date	02/01/2012
Test date	05/01/2012	Reporting date	08/01/2011
Sample ID No.	115	TLC NO	546

Tsted to ASTM C 29/C & 29M - 97 (2003)

Test No.		1	2
Wt. of aggregates + cylindrical measure	kg	7.145	7.135
Wt. of cylindrical measure	kg	3.985	3.985
Wt. of aggregates = M	kg	3.160	3.150
Volume of cylindrical measure = V	m ³	0.001838	0.001838
Bulk density of the aggregates = M/V	kg/m ³	1720	1710
Average bulk density of the aggregates	kg/m ³	1720	

- Doc . No. F 170 B , Rev. 01 , 11th. of Sept, 2011

Remarks : Sampled & delivered by the Contractor


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طالبة الامتحان



TEST REPORT OF THE MATERIAL FINER THEN 75 UM SIEVE

Client	-			Sheet. No. 127
Contractor	M/s. DESERT DIAMOND TRAD.			
Project	SUPPLY OF AGGREGATE			
Material	AGG. 10mm / GABBRO	Source	AL FUJAIRAH	
Sampled by	CONTRACTOR	Sample date	02/01/2012	
Test date	05/01/2012	Reporting date	08/01/2012	
Sample ID NO.	115	TLC NO	544	

TO ASTM C 117- 04

TEST	Result obtained (%)	Method
Material finer then 75 um	1.2	TEST. 8 - METHOD A

QCS LIMITS : Maximum 2 % for coarse & 3 % for natural uncrushed / crushed & 2 % for coarse & 5 % for fine crushed aggregates.

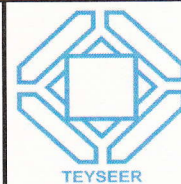
REMARKS : Sampled and delivered by contractor


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LABORATORY MANAGER

Doc.No. F169A Rev. 01 , 29TH of Sept, 2011.

كتابة للدراسات



LABORATORY TEST REPORT

TEST : PARTICLES SIZE DISTRIBUTION OF AGGREGATE

TESTED TO BS 812 : PART 103.1 : 1985

SHEET No:	10326	LAB No:		TLC No:	538
CLIENT :	--				
CONTRACTOR:	M/s. DESERT DIAMOND TRADING CO.				
PROJECT:	GABBRO AGGREGATES SUPPLY				
SAMPLE ID	0115				
SAMPLE RECEIVED DATE (LAB)	02/01/2012	TESTING DATE	08/01/2012		
MATERIAL DESCRIPTION	GABBRO AGGREGATES : 10.0MM	REPORTING DATE	08/01/2012		
SOURCE OF MATERIAL	AL FUJAIRA. UAE	SAMPLING LOCATION	MESAIEED		
SAMPLED BY	LAB TECHNICIAN	DELIVERED BY	LAB TECHNICIAN		
TEST METHOD	7.3 DRY METHOD	DATE OF SAMPLING (SITE)	02/01/2012		
M1=Wt of Oven dry Sample before wash = 0 (g)		M2=Wt of Oven dry Sample after wash = 0 (g)			
M1-M2 =Mass of material passing the finest = 0 in gram					

RESULTS OBTAINED

BS Seives,mm	Wt.Retained (g)	Passing %	Specification
14	0	100	
10	142	93	
5	1500	16	
2.36	273	2.0	
Passing 2.36 mm	39		
Total	1954		

QCS Limits :

Doc. No. F 103/A, Rev.02, 1st of June, 2011

Remarks

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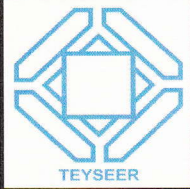
Laboratory Manager :

W

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LB-069



LABORATORY TEST REPORT

TEST : PARTICLE DENSITIES AND WATER ABSORPTION

TESTED TO BS 812 : PART 2 : 1995

SHEET No.	10324	LAB No		TLC No.	536
CLIENT	--				
CONTRACTOR	M/s. DESERT DIAMOND TRADING CO.				
PROJECT	GABBRO AGGREGATES SUPPLY				
SAMPLE ID	0115				
MATERIAL DESCRIPTION	GABBRO AGGREGATES : 10.0MM	SAMPLE LOCATION		MESAIEED	
SAMPLING DATE (SITE)	02/01/2012	SAMPLE RECEIVED DATE (LAB)		02/01/2012	
SOURCE OF MATERIAL	AL FUJAIRA. UAE	TESTING DATE		06/01/2012	
SAMPLED BY	LAB TECHNICIAN	REPORTING DATE		08/01/2012	
DELIVERED BY	LAB TECHNICIAN	CONDITION OF SAMPLE RECEIVED		SATISFACTORY	

TEST RESULTS

Test	Method
Particle Densities And Water Absorption	5.4

RESULT OBTAINED

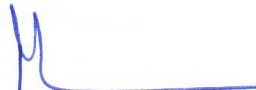
Material	O. D Basis Mg/m ³	S. S. Dry Basis Mg/m ³	Apparent Mg/m ³	Water Absorption%
AGG. 10mm / GABBRO	2.899	2.913	2.940	0.5

QCS Limits	2.600 (WATER ABSORPTION 2.0% FOR COARSE AGGREGATES) & (2.3% FOR FINE AGGREGATES)
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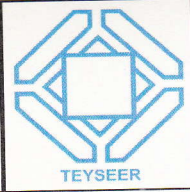
Remarks

Doc. No. F 110, Rev. 01, 10th of April, 2011

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LABORATORY TEST REPORT

TEST : ELONGATION INDEX

TESTED TO BS 812 : PART 105 SECTION 105.2 : 1990

SHEET No:	10330	LAB No:		TLC No:	542
CLIENT :	--				
CONTRACTOR:	M/s. DESERT DIAMOND TRADING CO.				
PROJECT:	GABBRO AGGREGATES SUPPLY				
SAMPLE ID	0115				
SAMPLE RECEIVED DATE (LAB)	02/01/2012	TESTING DATE	06/01/2012		
MATERIAL DESCRIPTION	GABBRO AGGREGATES : 10.0MM	REPORTING DATE	08/01/2012		
SOURCE OF MATERIAL	AL FUJAIRA. UAE	SAMPLE LOCATION	MESAIEED		
SAMPLED BY	LAB TECHNICIAN	DELIVERED BY	LAB TECHNICIAN		
CONDITIONS OF SAMPLE RECEIVED	Acceptable	DATE OF SAMPLING (SITE)	02/01/2012		

TEST RESULTS

BS Seives, mm	Seive analysis To BS 812 : Part 103.1,1985 - Procedure 7.3			Elongation Gauge Wt.Retained (g)
	Wt.Retained (g)	Retained %	Passing %	
14.0	0	0.0	100	0
10.0	142	11.5	88	4
6.3	1092	88.5	0	217

TOTAL WT.RETAINED (M1) = 1234 g

REDUCED WT. (M2) = 1234 g

TOTAL WT.RETAINED (M3) = 221 g

ELONGATION INDEX = 18 %

QCS Limits : 35 % Maximum for concrete & 35% Maximum for individual Stockpile
And 30% Maximum in average of all stockpile

Doc. No. F109, Rev 02, 28th February, 2011

Remarks

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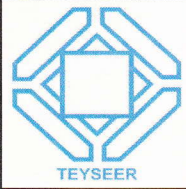
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LB-069

مطابق للوائح



LABORATORY TEST REPORT

TEST : FLAKINESS INDEX

TESTED TO BS 812 : PART 105 SECTION 105.1 : 1989

SHEET No:	10328	LAB No:		TLC No:	540
CLIENT :	--				
CONTRACTOR:	M/s. DESERT DIAMOND TRADING CO.				
PROJECT:	GABBRO AGGREGATES SUPPLY				
SAMPLE ID	0115				
SAMPLE RECIVED DATE (LAB)	02/01/2012	TESTING DATE	06/01/2012		
MATERIAL DESCRIPTION	GABBRO AGGREGATES : 10.0MM	REPORTING DATE	08/01/2012		
SOURCE OF MATERIAL	AL FUJAIRA. UAE	SAMPLE LOCATION	MESAIEED		
SAMPLED BY	LAB TECHNICIAN	DELIVERED BY	LAB TECHNICIAN		
CONDITIONS OF SAMPLE RECEIVED	Acceptable	DATE OF SAMPLING (SITE)	02/01/2012		

TEST RESULTS

BS Sieves, mm	Seive analysis To BS 812 : Part 103.1 : 1985 - Procedure 7.3			Flakiness Sieves Wt. Passing
	Wt.Retained (g)	Retained %	Passing %	
14.0	0	0.0	100	0
10.0	142	11.5	88	39
6.3	1092	88.5	0	230

TOTAL WT.RETAINED (M1) = 1234 g

REDUCED WT. (M2) = 1234 g

TOTAL WT.PASSING (M3) = 269 g

FLAKINESS INDEX = 22 %

QCS Limits 30% for concrete, maximum 30% for wearing course & 35% for intermediate And base courses for each stockpile.

Doc. No. F107, Rev 02, 28th February, 2011

Remarks

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مطابق المواصفات

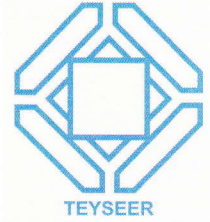
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TEST REPORT OF CHEMICAL ANALYSIS

CONTRACTOR	M/s. DESERT DIAMOND TRAD.		
PROJECT	SUPPLY OF AGGREGATE	SHEET NO.	1382
MATERIAL	AGGREGATES 10mm / GABBRO	TLC NO.	584
SOURCE	AL FUJAIRAH	LAB NO.	--
SAMPLE DATE	02/01/2012	TESTING DATE	07/01/2012
Sample ID No.	116	REPORT DATE	08/01/2012

DETERMINATION OF SO₃ & Cl

TEST	RESULT OBTAINED (%)	METHOD
ACID SOLUBLE SULPHATE CONTENT (SO ₃)	0.052 %	METHOD 6.4 BS 812 : PART 118 : 1988
ACID SOLUBLE CHLORIDE CONTENT (Cl)	0.025 %	METHOD C 3 BS 812 : PART 117 : 1988

QCS LIMITS : So₃ - 0.3% For Coarse Aggregates And 0.4% For Fine Aggregates

QCS LIMITS : Cl - 0.03% For Coarse Aggregates And 0.06% For Fine Aggregates

Doc. No. F125 - Rev. 01 , 1st of January, 2011

- Material Sampled and Delivered By : contractor & Lab technician

REMARKS :

مطابق للمواصفات

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