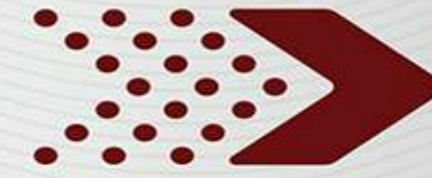


ادارة الجودة



Scan this QR Code with smartphone to verify the certificate

CERTIFICATE OF REGISTRATION



This is to certify that:

AL-WATAN CONCRETE FACTORY COMPANY

RIYADH - MULHAM - POSTAL CODE 15465 - 6579
KINGDOM SAUDI ARABIA

the management system of the above organisation has been assessed and found to comply with the requirements of the management system standards detailed below

STANDARD

ISO 9001:2015

Quality Management System

Certification Scope

All Kinds of Ready-Mix Concrete



Certification Calendar

Certificate Number
IAS310192781

Client ID
AL1176

Issue
01

Date of Registration
31-Jan-2022

Date of Issue
31-Jan-2022

Date of Expiry
30-Jan-2025

*The full duration validity of this certificate is subject to successful & timely completion of the surveillance audits.
*This certificate remains the property of SAGACI and shall have to be returned back when it has ceased to be valid, for whatsoever reason.
*Information about this certificate can be inquired at the official website of certification (www.sagaciert.com)


A. K. Juman
Authorised Signatory



SAGACI CERTIFICATIONS PRIVATE LIMITED

www.sagaciert.com

This certificate has been issued by Sagaci Certifications Pvt. Ltd., 20, A-2, Shiva Arcade, Acharya Niketan, Mayur Vihar Phase - 1, Delhi - 110091, and will remain valid subject to maintaining its system to the required standard(s). This will be monitored regularly by SAGACI. The use of IAS accreditation mark indicates accreditation in respect of those activities covered by the accreditation certificate. Further clarification regarding the scope of this certificate and verification of the certificate is available through SAGACI or www.sagaciert.com.
Phone: 011-43601911, Email: info@sagaciert.com, Web: www.sagaciert.com



Arab Company العربية الشركة
For Laboratories and Soil للمختبرات والتربة

TEST REPORT FOR COMPRESSIVE STRENGTH OF CONCRETE CYLINDERS

Owner : N.P. Report No. : TCR22012442
Contractor : Aman Investment Co., Ltd. Date Reported : 27-09-22
Consultant : N.P. Request No. : TCQ22012442
Project No. : N.P. Sample No. : TCS22012442
Project Name : Armal Al Narjes
Structure Reference : Footings

Source of Material : AL-WATAN RMC No. of Cylinders : 32
Place of Sampl./Cast. : Site Nominal Size : 150 x 300 mm
Date of Sampling : 29-08-22 Time : N.P. Method of Compaction : MANUAL
Date of Casting : 29-08-22 Time : N.P. Equip. of Compaction : COMPACTING ROD
Sampling Method : ASTM C31/C31M-21a Sampled By : ACES' REP.
Curing Condition : Standard Cured Sample Prepared By : ACES' REP.
Certificate Attached : Sampling(NP), Making(NP), Curing(NP) Sampling Certificate No. : N.P.

Sample Rcvd. Date : 30-08-22 Time : N.P. Dimensions : Checked
Condition of Sample : Good Volume Determination : By Calculation
Transportation Time : 1 Hour Actual Test Age (Days) : 28
Curing Temp. (°C) : 23±2 Rqrd Test Age (Days) : 28
Moisture Condition : Saturated Sample Brought In By : ACES' REP.
Test Method : ASTM C39/C39M-21 Date Tested : 26-09-22
Test Method Var. : Nil Tested By : Babar Khan RY-278

Spec. No.	Client Sample Reference	Dimensions (mm)		Mass Saturated (kg)	Density Saturated (kg/m³)	Max. Load at Failure (kN)	Comp. Strength (N/mm²)	Type of Fracture
		D	H					
1	2	150	300	12.860	2430	754.9	42.5	Satisfactory
2	3	150	300	12.970	2450	711	40.0	Satisfactory
3	5	150	300	12.940	2440	731.7	41.5	Satisfactory
4	6	150	300	12.960	2440	701	39.5	Satisfactory
5	8	150	300	12.850	2420	749.8	42.5	Satisfactory
6	9	150	300	12.890	2430	714	40.5	Satisfactory
7	11	150	300	12.690	2390	741.7	42.0	Satisfactory
8	12	150	300	12.940	2440	720.9	41.0	Satisfactory
9	14	150	300	12.860	2430	710.3	40.0	Satisfactory
10	15	150	300	12.770	2410	738	42.0	Satisfactory
11	17	150	300	12.790	2410	751.9	42.5	Satisfactory
12	18	150	300	12.860	2430	719.3	40.5	Satisfactory
13	20	150	300	12.690	2390	709.3	40.0	Satisfactory
14	21	150	300	12.940	2440	737.9	42.0	Satisfactory
15	23	150	300	12.860	2430	714	40.5	Satisfactory
16	24	150	300	12.770	2410	739.7	42.0	Satisfactory
17	26	150	300	12.940	2440	729	41.5	Satisfactory
18	27	150	300	12.860	2430	751.9	42.5	Satisfactory
19	29	150	300	12.850	2420	715.3	40.5	Satisfactory

Page 1 of 2

QP102-01-CubesBETCYL
SAC certificate No. : N-T-00063

ACES Riyadh: P.O. Box 46891 Riyadh-11542 - Tel. : +966-11-2372222, 2353467 - Fax : +966-11-2357434 - C.C. No. : 116898 - C.R. : 1010172258 - E-mail: acesyriyadh@aces-int.com
ACES Jeddah: P.O. Box 132905 Jeddah 21382 - Tel. : +966-12-6641422, 6636380 - Fax : +966-12-6635448 - C.C. No. : 106934 - C.R. : 4030157586 - E-mail: acesyeddah@aces-int.com
ACES Khobar: P.O. Box 70159 Khobar 31952 - Tel. : +966-13-8811941, 8811942 - Fax : +966-13-8811947 - C.C. No. : 96216 - C.R. : 2051037267 - E-mail: aceskhoobar@aces-int.com
ACES Najran: P.O. Box 408 Najran - Tel. : +966-17-5239037, +966-17-5230273 - Fax : +966-17-5235761 - C.C. No. : 1117678 - C.R. : 5950017513 - E-mail: acesnajran@aces-int.com
ACES Buraydah: P.O. Box 52391 Buraydah 8225 - Tel. : +966-16-3844575 - Fax : +966-16-3844001 - C.C. No. : 601001156942 - C.R. : 1131032563 - E-mail: aceseburaydah@aces-int.com
ACES Madinah: P.O. Box 41432 Madinah - Tel. : +966-14-8693326 - Fax : +966-14-8693135 - C.C. No. : 203001171492 - C.R. : 4860078095 - E-mail: aceseadinah@aces-int.com

Website: www.aces-int.com



شركة ذات مسؤولية محدودة رأس المال ٥.٦٦٢.٥٠٠.٠٠٠

Spec. No.	Client Sample Reference	Dimensions (mm)		Mass Saturated (kg)	Density Saturated (kg/m³)	Max. Load at Failure (kN)	Comp. Strength (N/mm²)	Type of Fracture
		D	H					
20	30	150	300	12.690	2390	700.9	39.5	Satisfactory
21	32	150	300	12.940	2440	671	38.0	Satisfactory
22	33	150	300	12.970	2450	698	39.5	Satisfactory
23	35	150	300	12.940	2440	719.3	40.5	Satisfactory
24	36	150	300	12.850	2420	739.1	42.0	Satisfactory
25	38	150	300	12.690	2390	739.1	42.0	Satisfactory
26	39	150	300	12.940	2440	714.7	40.5	Satisfactory
27	41	150	300	12.860	2430	700.8	39.5	Satisfactory
28	42	150	300	12.770	2410	751.7	42.5	Satisfactory
29	44	150	300	12.940	2440	719	40.5	Satisfactory
30	45	150	300	12.960	2440	729.3	41.5	Satisfactory
31	47	150	300	12.970	2450	721.7	41.0	Satisfactory
32	48	150	300	12.940	2440	744	42.0	Satisfactory

Average Comp. Strength (N/mm²): 41.0

Remarks

: Specified Strength: 35 MPa (SRC); The measured temperature ranged from 27.0°C- 32.0°C & The measured slump ranged from 100 mm - 150 mm, Please discard the average if not applicable.

: Test results shall not be interpreted, reproduced or quoted in a whole or in part without prior written approval of ACES.



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-End of Report-

Eng. Belal Khamaseh
Materials Department Manager -Riyadh
Arab Company for Laboratories and Soil



Page 2 of 2

QP102-01-CubesBETCYL
SAC certificate No. : N-T-00063



Arab Company الشركة العربية
For Laboratories and Soil للمختبرات والتربة

TEST REPORT FOR COMPRESSIVE STRENGTH OF CONCRETE CYLINDERS

Owner : N.P. Report No. : TCR22012441
Contractor : Aman Investment Co., Ltd. Date Reported : 06-09-22
Consultant : N.P. Request No. : TCQ22012441
Project No. : N.P. Sample No. : TCS22012441
Project Name : Armal Al Narjes
Structure Reference : Footings

Source of Material : AL-WATAN RMC No. of Cylinders : 16
Place of Sampl./Cast. : Site Nominal Size : 150 x 300 mm
Date of Sampling : 29-08-22 Time : N.P. Method of Compaction : MANUAL
Date of Casting : 29-08-22 Time : N.P. Equip. of Compaction : COMPACTING ROD
Sampling Method : ASTM C31/C31M-21a Sampled By : ACES' REP.
Curing Condition : Standard Cured Sample Prepared By : ACES' REP.
Certificate Attached : Sampling(NP), Making(NP), Curing(NP) Sampling Certificate No. : N.P.

Sample Rcvd. Date : 30-08-22 Time : N.P. Dimensions : Checked
Condition of Sample : Good Volume Determination : By Calculation
Transportation Time : 1 Hour Actual Test Age (Days) : 7
Curing Temp. (°C) : 23±2 Rqrd Test Age (Days) : 7
Moisture Condition : Saturated Sample Brought In By : ACES' REP.
Test Method : ASTM C39/C39M-21 Date Tested : 05-09-22
Test Method Var. : Nil Tested By : Babar Khan RY-278

Spec. No.	Client Sample Reference	Dimensions (mm)		Mass Saturated (kg)	Density Saturated (kg/m³)	Max. Load at Failure (kN)	Comp. Strength (N/mm²)	Type of Fracture
		D	H					
1	1	150	300	12.690	2390	501.1	28.5	Satisfactory
2	4	150	300	12.940	2440	526.7	30.0	Satisfactory
3	7	150	300	12.870	2430	512.5	29.0	Satisfactory
4	10	150	300	12.770	2410	585.7	33.0	Satisfactory
5	13	150	300	12.940	2440	504.2	28.5	Satisfactory
6	16	150	300	12.860	2430	512.6	29.0	Satisfactory
7	19	150	300	12.690	2390	524	29.5	Satisfactory
8	22	150	300	12.940	2440	516.4	29.0	Satisfactory
9	25	150	300	12.860	2430	559.5	31.5	Satisfactory
10	28	150	300	12.770	2410	521.6	29.5	Satisfactory
11	31	150	300	12.830	2420	563.2	32.0	Satisfactory
12	34	150	300	12.910	2440	569	32.0	Satisfactory
13	37	150	300	12.690	2390	522.6	29.5	Satisfactory
14	40	150	300	12.940	2440	552.1	31.0	Satisfactory
15	43	150	300	12.860	2430	546.5	31.0	Satisfactory
16	46	150	300	12.770	2410	529.5	30.0	Satisfactory

Average Comp. Strength (N/mm²): 30.2

Page 1 of 2



QP102-01-CubesBETCYL
SAC certificate No. : N-T-00063

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ACES Khobar: P.O. Box 70159 Khobar 31952 - Tel.: +966-13-8811941, 8811942 - Fax: +966-13-8811947 - C.C. No. : 98216 - C.R.: 2051037267 - E-mail: aceskhoobar@aces-int.com
ACES Najran: P.O. Box 406 Najran - Tel.: +966-17-5239037, +966-17-5230273 - Fax: +966-17-5235761 - C.C. No. : 1117678 - C.R.: 5950017513 - E-mail: acesnajran@aces-int.com
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ACES Madinah: P.O. Box 41432 Madinah - Tel.: +966-14-8693326 - Fax: +966-14-8693135 - C.C. No. : 203001171492 - C.R.: 4650078095 - E-mail: acesmadinah@aces-int.com

Website: www.aces-int.com



شركة ذات مسؤولية محدودة رأس المال ٥.٦٦٢.٥٠٠.٠٠٠

Remarks

: Specified Strength: 35 MPa (SRC); The measured temperature ranged from 27.0°C- 32.0°C & The measured slump ranged from 100 mm - 150 mm, Please discard the average if not applicable.
: Test results shall not be interpreted, reproduced or quoted in a whole or in part without prior written approval of ACES.



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-End of Report-

Eng. Belal Khamaiseh
Materials Department Manager - Riyadh
Arab Company for Laboratories and Soil

Page 2 of 2



QP102-01-CubesBETCYL
SAC certificate No. : N-T-00063

Test Report

GTC Dammam Road Riyadh Saudi Arabia

التحليل المنخلي

Sieve Analysis of Fine & Coarse Aggregate

ASTM C136-14

Client: AL WATAN CONCRETE READY MIX CO.	المقاول	Testing Date: 17-01-2023/24-06-1444	تاريخ الاختبار
Project: CONCRETE BATCHING PLANT	المشروع	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
SampleRef: 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75-14	المعيار	Sub-Location: NAZEEM & AL MALHAM	الموقع الفرعي
Source: -	المصدر	Material's: 3/4" AGGREGATE	المواد

Weight of wet Soil (gm)	3920.0	وزن التربة الرطبة - جم
Oven Dry weight (gm)	3860.1	الوزن بعد التجفيف - جم
Wash Oven Dry weight	3841.9	الوزن الجاف بعد الغسيل - جم

Size Opening Inches بوصة	قمة المنخل mm ملم	الوزن المتبقي Wt. Retained	النسبة المئوية % Retained	النسبة المئوية التراكمية % Cum Ret.	النسبة المئوية المارة % Passing
1"	25.400	0	0.0	0.0	100
3/4"	19.050	179.8	4.7	4.7	95.3
1/2"	12.500	3296.1	85.4	90.0	10.0
3/8"	9.52	352.9	9.1	99.2	0.8
#4	4.760	8.8	0.2	99.4	0.6
#8	2.360	0.1	0.0	99.4	0.6
#16	1.180	0.2	0.0	99.4	0.6
#30	0.600	0.6	0.0	99.4	0.6
#50	0.300	1	0.0	99.5	0.5
#100	0.150	1.1	0.0	99.5	0.5
#200	0.075	0.6	0.0	99.5	0.5
Pan	-	0.4	0.0	99.5	0.5

REMARKS: This document is confidential and represents only the sample tested.
GTC will keep remaining samples in store for (15) days only, after sample receiving date.

Tested By: NADEEM أجراها

Lab Manager Approved By: ENGR MAHDI BABIKER BALLA
RP/23/JAN/23 S-GS01



Riyadh Office Rimal Area- Najah Road حي الرمال- شارع النجاج فرع الرياض -
هاتف: 011-26641110 - فاكس: 011-26641111

Test Report

GTC Dammam Road Riyadh Saudi Arabia

التحليل المنخلي

Sieve Analysis of Fine & Coarse Aggregate

ASTM C136-14

Client: AL WATAN CONCRETE READY MIX CO.	المقاول	Testing Date: 17-01-2023/24-06-1444	تاريخ الاختبار
Project: CONCRETE BATCHING PLANT	المشروع	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
SampleRef: 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75-14	المعيار	Sub-Location: NAZEEM & AL MALHAM	الموقع الفرعي
Source: -	المصدر	Material's: 3/8" AGGREGATE	المواد

Weight of wet Soil (gm)	2826.0	وزن التربة الرطبة - جم
Oven Dry weight (gm)	2788.7	الوزن بعد التجفيف - جم
Wash Oven Dry weight	2750.5	الوزن الجاف بعد الغسيل - جم

Size Opening Inches بوصة	قمة المنخل mm ملم	الوزن المتبقي Wt. Retained	النسبة المئوية % Retained	النسبة المئوية التراكمية % Cum Ret.	النسبة المئوية المارة % Passing
1"	25.400	0	0.0	0.0	100
3/4"	19.050	0	0.0	0.0	100
1/2"	12.500	91.3	3.3	3.3	96.7
3/8"	9.52	978.6	35.3	38.6	61.4
#4	4.760	1636.9	59.1	97.8	2.2
#8	2.360	38	1.4	99.1	0.9
#16	1.180	0.2	0.0	99.1	0.9
#30	0.600	0.2	0.0	99.2	0.8
#50	0.300	0.9	0.0	99.2	0.8
#100	0.150	2	0.1	99.3	0.7
#200	0.075	1.6	0.1	99.3	0.7
Pan	-	0.6	0.0	99.3	0.7

REMARKS: This document is confidential and represents only the sample tested.
GTC will keep remaining samples in store for (15) days only, after sample receiving date.

Tested By: NADEEM أجراها

Lab Manager Approved By: ENGR MAHDI BABIKER BALLA
RP/23/JAN/23 S-GS01



Riyadh Office Rimal Area- Najah Road حي الرمال- شارع النجاج فرع الرياض -
هاتف: 011-26641110 - فاكس: 011-26641111

Test Report

GTC Dammam Road Riyadh Saudi Arabia

التحليل المنخلي

Sieve Analysis of Fine & Coarse Aggregate

ASTM C136-14

Client: AL WATAN CONCRETE READY MIX CO.	المقاول	Testing Date: 17-01-2023/24-06-1444	تاريخ الاختبار
Project: CONCRETE BATCHING PLANT	المشروع	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
SampleRef: 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75-14	المعيار	Sub-Location: NAZEEM & AL MALHAM	الموقع الفرعي
Source: -	المصدر	Material's: CRUSHED SAND	المواد

Weight of wet Soil (gm)	1812.0	وزن التربة الرطبة - جم
Oven Dry weight (gm)	1761.4	الوزن بعد التجفيف - جم
Wash Oven Dry weight	1737.9	الوزن الجاف بعد الغسيل - جم

Size Opening Inches بوصة	قمة المنخل mm ملم	الوزن المتبقي Wt. Retained	النسبة المئوية % Retained	النسبة المئوية التراكمية % Cum Ret.	النسبة المئوية المارة % Passing
1"	25.400				
3/4"	19.050				
1/2"	12.500				
3/8"	9.52	0.0	0.0	0.0	100
#4	4.760	373.0	21.2	21.2	78.8
#8	2.360	1078.0	61.2	82.4	17.6
#16	1.180	257.6	14.6	97.0	3.0
#30	0.600	11.5	0.7	97.7	2.3
#50	0.300	6.9	0.4	98.0	2.0
#100	0.150	7.0	0.4	98.4	1.6
#200	0.075	3.0	0.2	98.6	1.4
Pan	-	0.5	0.0	98.6	1.4

REMARKS: FM= 4.9
This document is confidential and represents only the sample tested.
GTC will keep remaining samples in store for (15) days only, after sample receiving date.

Tested By: NADEEM أجراها

Lab Manager Approved By: ENGR MAHDI BABIKER BALLA
RP/23/JAN/23 S-GS01



Riyadh Office Rimal Area- Najah Road حي الرمال- شارع النجاج فرع الرياض -
هاتف: 011-26641110 - فاكس: 011-26641111

Test Report

GTC Dammam Road Riyadh Saudi Arabia

التحليل المنخلي

Sieve Analysis of Fine & Coarse Aggregate

ASTM C136-14

Client: AL WATAN CONCRETE READY MIX CO.	المقاول	Testing Date: 17-01-2023/24-06-1444	تاريخ الاختبار
Project: CONCRETE BATCHING PLANT	المشروع	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
SampleRef: 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75-14	المعيار	Sub-Location: NAZEEM & AL MALHAM	الموقع الفرعي
Source: -	المصدر	Material's: RED SAND	المواد

Weight of wet Soil (gm)	898.0	وزن التربة الرطبة - جم
Oven Dry weight (gm)	882.3	الوزن بعد التجفيف - جم
Wash Oven Dry weight	874.9	الوزن الجاف بعد الغسيل - جم

Size Opening Inches بوصة	قمة المنخل mm ملم	الوزن المتبقي Wt. Retained	النسبة المئوية % Retained	النسبة المئوية التراكمية % Cum Ret.	النسبة المئوية المارة % Passing
1"	25.400				
3/4"	19.050				
1/2"	12.500				
3/8"	9.52				
#4	4.760				
#8	2.360				
#16	1.180	0	0.0	0.0	100
#30	0.600	5.8	0.7	0.7	99.3
#50	0.300	316.4	36.9	36.5	63.5
#100	0.150	446.3	50.6	87.1	12.9
#200	0.075	103.5	11.7	98.8	1.2
Pan	-	2.7	0.3	99.1	0.9

REMARKS: FM= 1.2
This document is confidential and represents only the sample tested.
GTC will keep remaining samples in store for (15) days only, after sample receiving date.

Tested By: NADEEM أجراها

Lab Manager Approved By: ENGR MAHDI BABIKER BALLA
RP/23/JAN/23 S-GS01



Riyadh Office Rimal Area- Najah Road حي الرمال- شارع النجاج فرع الرياض -
هاتف: 011-26641110 - فاكس: 011-26641111



Test Report
GTC Dammam Road Riyadh Saudi Arabia
SOUNDNESS OF AGGREGATE BY USE OF SODIUM SULPHATE
ASTM C88

Client: AL WATAN CONCRETE READY MIX CO. Testing Date: 17-01-2023/24-06-1444
Project: CONCRETE BATCHING PLANT Receiving Date: 14-01-2023/21-06-1444
SampleRef: 108507 Location: AL-RIYADH
Sample Standard: ASTM D75 Sub-Location: NAZEEM & AL MALHAM
Materials: 3/4" AGGREGATE

Cycles		immersion beginning		immersion end		No. h.	Solution Temp. °C
		date	Time	date	Time		
I	immersion	17-01-2023	03:00 PM	18-01-2023	8:00 AM	17 HOURS	21.1°C
II	immersion	18-01-2023	03:00 PM	19-01-2023	8:00 AM	17 HOURS	21.1°C
III	immersion	19-01-2023	03:00 PM	20-01-2023	8:00 AM	17 HOURS	21.1°C
IV	immersion	20-01-2023	03:00 PM	21-01-2023	8:00 AM	17 HOURS	21.1°C
V	immersion	21-01-2023	03:00 PM	22-01-2023	8:00 AM	17 HOURS	21.1°C

Sieve Size		Grading	Weight	Weight	Loss in	Actual	Corrected
Passing	Retained	Orig. Sample	Test Fraction	Test Fraction	Weight	After Test	Average
(A)	(B)	Retained	Before Test	After Test	After Test	(g)	Weighted
		(g)	(g)	(g)	(g)	(g)	Loss %
		(A)	(B)	(C)	(D)	(E)	(F)
Fine Aggregate							
Minus # 100 (0.150 mm)							
# 50 (0.300 mm)	# 100 (0.150 mm)						
# 30 (0.600 mm)	# 50 (0.300 mm)						
# 16 (1.18 mm)	# 30 (0.600 mm)						
# 8 (2.36 mm)	# 16 (1.18 mm)						
# 4 (4.75 mm)	# 8 (2.36 mm)						
3/8" (9.52 mm)	#4 (4.76 mm)						
Total							
Coarse Aggregate							
2 1/2" (63.50 mm)	1 1/2" (38.10 mm)						
1 1/2" (38.10 mm)	3/4" (19.05 mm)	4.7				4.95	0.233
3/4" (19.05 mm)	3/8" (9.52 mm)	95.1	1000.4	950.9	49.5	4.95	4.706
3/8" (9.52 mm)	#4 (4.76 mm)	0.2				4.95	0.010
Minus # 4 (4.76 mm)							
Total		100					4.948

Note: D = B - C
E = (D / B) * 100
F = (A * E) / 100

Consistina:
3/8" - 1/2" = 33%
1/2" - 3/4" = 67%

3/4" - 1" = 33%
1" - 1 1/2" = 67%

1 1/2" - 2" = 50%
2" - 2 1/2" = 50%

REMARKS :
USED Na₂SO₄ 5 CYCLES
(Sample given by client)
This document is confidential and represents only the sample tested.
GTC will keep remaining samples in store for (15) days only, after sample receiving date.

Tested By: NADEEM
Lab Manager Approved By: ENGR. MAHDI BABIKER BALLA
M-SA01



Test Report
GTC Dammam Road Riyadh Saudi Arabia
SOUNDNESS OF AGGREGATE BY USE OF SODIUM SULPHATE
ASTM C88

Client: AL WATAN CONCRETE READY MIX CO. Testing Date: 17-01-2023/24-06-1444
Project: CONCRETE BATCHING PLANT Receiving Date: 14-01-2023/21-06-1444
SampleRef: 108507 Location: AL-RIYADH
Sample Standard: ASTM D75 Sub-Location: NAZEEM & AL MALHAM
Materials: 3/8" AGGREGATE

Cycles		immersion beginning		immersion end		No. h.	Solution Temp. °C
		date	Time	date	Time		
I	immersion	17-01-2023	03:00 PM	18-01-2023	8:00 AM	17 HOURS	21.1°C
II	immersion	18-01-2023	03:00 PM	19-01-2023	8:00 AM	17 HOURS	21.1°C
III	immersion	19-01-2023	03:00 PM	20-01-2023	8:00 AM	17 HOURS	21.1°C
IV	immersion	20-01-2023	03:00 PM	21-01-2023	8:00 AM	17 HOURS	21.1°C
V	immersion	21-01-2023	03:00 PM	22-01-2023	8:00 AM	17 HOURS	21.1°C

Sieve Size		Grading	Weight	Weight	Loss in	Actual	Corrected
Passing	Retained	Orig. Sample	Test Fraction	Test Fraction	Weight	After Test	Average
(A)	(B)	Retained	Before Test	After Test	After Test	(g)	Weighted
		(g)	(g)	(g)	(g)	(g)	Loss %
		(A)	(B)	(C)	(D)	(E)	(F)
Fine Aggregate							
Minus # 100 (0.150 mm)							
# 50 (0.300 mm)	# 100 (0.150 mm)						
# 30 (0.600 mm)	# 50 (0.300 mm)						
# 16 (1.18 mm)	# 30 (0.600 mm)						
# 8 (2.36 mm)	# 16 (1.18 mm)						
# 4 (4.75 mm)	# 8 (2.36 mm)						
3/8" (9.52 mm)	#4 (4.76 mm)						
Total							
Coarse Aggregate							
2 1/2" (63.50 mm)	1 1/2" (38.10 mm)						
1 1/2" (38.10 mm)	3/4" (19.05 mm)						
3/4" (19.05 mm)	3/8" (9.52 mm)	39.5				3.63	1.434
3/8" (9.52 mm)	#4 (4.76 mm)	60.5	300.1	289.2	10.9	3.63	2.197
Minus # 4 (4.76 mm)							
Total		100					3.631

Note: D = B - C
E = (D / B) * 100
F = (A * E) / 100

Consistina:
3/8" - 1/2" = 33%
1/2" - 3/4" = 67%

3/4" - 1" = 33%
1" - 1 1/2" = 67%

1 1/2" - 2" = 50%
2" - 2 1/2" = 50%

REMARKS :
USED Na₂SO₄ 5 CYCLES
(Sample given by client)
This document is confidential and represents only the sample tested.
GTC will keep remaining samples in store for (15) days only, after sample receiving date.

Tested By: NADEEM
Lab Manager Approved By: ENGR. MAHDI BABIKER BALLA
M-SA01



Test Report
GTC Dammam Road Riyadh Saudi Arabia
SOUNDNESS OF AGGREGATE BY USE OF SODIUM SULPHATE
ASTM C88

Client: AL WATAN CONCRETE READY MIX CO. Testing Date: 17-01-2023/24-06-1444
Project: CONCRETE BATCHING PLANT Receiving Date: 14-01-2023/21-06-1444
SampleRef: 108507 Location: AL-RIYADH
Sample Standard: ASTM D75 Sub-Location: NAZEEM & AL MALHAM
Materials: CRUSHED SAND

Cycles		immersion beginning		immersion end		No. h.	Solution Temp. °C
		date	Time	date	Time		
I	immersion	17-01-2023	03:00 PM	18-01-2023	8:00 AM	17 HOURS	21.1°C
II	immersion	18-01-2023	03:00 PM	19-01-2023	8:00 AM	17 HOURS	21.1°C
III	immersion	19-01-2023	03:00 PM	20-01-2023	8:00 AM	17 HOURS	21.1°C
IV	immersion	20-01-2023	03:00 PM	21-01-2023	8:00 AM	17 HOURS	21.1°C
V	immersion	21-01-2023	03:00 PM	22-01-2023	8:00 AM	17 HOURS	21.1°C

Sieve Size		Grading	Weight	Weight	Loss in	Actual	Corrected
Passing	Retained	Orig. Sample	Test Fraction	Test Fraction	Weight	After Test	Average
(A)	(B)	Retained	Before Test	After Test	After Test	(g)	Weighted
		(g)	(g)	(g)	(g)	(g)	Loss %
		(A)	(B)	(C)	(D)	(E)	(F)
Fine Aggregate							
Minus # 100 (0.150 mm)							
# 50 (0.300 mm)	# 100 (0.150 mm)	1.6				8.3	0.033
# 30 (0.600 mm)	# 50 (0.300 mm)	0.4				8.3	0.033
# 16 (1.18 mm)	# 30 (0.600 mm)	0.4				8.3	0.050
# 8 (2.36 mm)	# 16 (1.18 mm)	0.6				8.3	1.211
# 4 (4.75 mm)	# 8 (2.36 mm)	14.6	100.1	91.8	8.3	10.7	6.542
3/8" (9.52 mm)	#4 (4.76 mm)	61.2	100.1	89.4	10.7	6.0	1.271
Total		100					9.139
Coarse Aggregate							
2 1/2" (63.50 mm)	1 1/2" (38.10 mm)						
1 1/2" (38.10 mm)	3/4" (19.05 mm)						
3/4" (19.05 mm)	3/8" (9.52 mm)						
3/8" (9.52 mm)	#4 (4.76 mm)						
Minus # 4 (4.76 mm)							
Total							

Note: D = B - C
E = (D / B) * 100
F = (A * E) / 100

Consistina:
3/8" - 1/2" = 33%
1/2" - 3/4" = 67%

3/4" - 1" = 33%
1" - 1 1/2" = 67%

1 1/2" - 2" = 50%
2" - 2 1/2" = 50%

REMARKS :
USED Na₂SO₄ 5 CYCLES
(Sample given by client)
This document is confidential and represents only the sample tested.
GTC will keep remaining samples in store for (15) days only, after sample receiving date.

Tested By: NADEEM
Lab Manager Approved By: ENGR. MAHDI BABIKER BALLA
M-SA01



Test Report
GTC Dammam Road Riyadh Saudi Arabia
SOUNDNESS OF AGGREGATE BY USE OF SODIUM SULPHATE
ASTM C88

Client: AL WATAN CONCRETE READY MIX CO. Testing Date: 17-01-2023/24-06-1444
Project: CONCRETE BATCHING PLANT Receiving Date: 14-01-2023/21-06-1444
SampleRef: 108507 Location: AL-RIYADH
Sample Standard: ASTM D75 Sub-Location: NAZEEM & AL MALHAM
Materials: RED SAND

Cycles		immersion beginning		immersion end		No. h.	Solution Temp. °C
		date	Time	date	Time		
I	immersion	17-01-2023	03:00 PM	18-01-2023	8:00 AM	17 HOURS	21.1°C
II	immersion	18-01-2023	03:00 PM	19-01-2023	8:00 AM	17 HOURS	21.1°C
III	immersion	19-01-2023	03:00 PM	20-01-2023	8:00 AM	17 HOURS	21.1°C
IV	immersion	20-01-2023	03:00 PM	21-01-2023	8:00 AM	17 HOURS	21.1°C
V	immersion	21-01-2023	03:00 PM	22-01-2023	8:00 AM	17 HOURS	21.1°C

Sieve Size		Grading	Weight	Weight	Loss in	Actual	Corrected
Passing	Retained	Orig. Sample	Test Fraction	Test Fraction	Weight	After Test	Average
(A)	(B)	Retained	Before Test	After Test	After Test	(g)	Weighted
		(g)	(g)	(g)	(g)	(g)	Loss %
		(A)	(B)	(C)	(D)	(E)	(F)
Fine Aggregate							
Minus # 100 (0.150 mm)							
# 50 (0.300 mm)	# 100 (0.150 mm)	12.9				100.0	98.8
# 30 (0.600 mm)	# 50 (0.300 mm)	50.6				100.1	99.2
# 16 (1.18 mm)	# 30 (0.600 mm)	35.8				0.9	0.9
# 8 (2.36 mm)	# 16 (1.18 mm)	0.7				0.9	0.006
# 4 (4.75 mm)	# 8 (2.36 mm)	0.0				0.9	0.000
3/8" (9.52 mm)	#4 (4.76 mm)	0.0				0.9	0.000
Total		100					0.935
Coarse Aggregate							
2 1/2" (63.50 mm)	1 1/2" (38.10 mm)						
1 1/2" (38.10 mm)	3/4" (19.05 mm)						
3/4" (19.05 mm)	3/8" (9.52 mm)						
3/8" (9.52 mm)	#4 (4.76 mm)						
Minus # 4 (4.76 mm)							
Total							

Note: D = B - C
E = (D / B) * 100
F = (A * E) / 100

Consistina:
3/8" - 1/2" = 33%
1/2" - 3/4" = 67%

3/4" - 1" = 33%
1" - 1 1/2" = 67%

1 1/2" - 2" = 50%
2" - 2 1/2" = 50%

REMARKS :
USED Na₂SO₄ 5 CYCLES
(Sample given by client)
This document is confidential and represents only the sample tested.
GTC will keep remaining samples in store for (15) days only, after sample receiving date.

Tested By: NADEEM
Lab Manager Approved By: ENGR. MAHDI BABIKER BALLA
M-SA01



Test Report
GTC Dammam Road Riyadh Saudi Arabia
LOS ANGELES ABRASION TEST
CORROSION FACTOR SASO (ASTMC 131)

Client: AL WATAN CONCRETE READY MIX CO.	المقاول	Testing Date : 17-01-2023/24-06-1444	تاريخ الاختبار
Project : CONCRETE BATCHING PLANT	المشروع	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref : 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75-14	Sub Location: NAZEEM & AL MALHAM		
Source of Material: -	Material Type: 3/4" AGGREGATE		

Grading	1 1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - 1/4"	1/4" - No.4	No.4 - No.8
%							
Designation (F)	A			D			
Wt. of Test Samples	1250 ± 25	1250 ± 25	1250 ± 10	1250 ± 10	2500 ± 10	2500 ± 10	5000 ± 10
Designation	B						
Wt. of Test Samples			2500 ± 10	2500 ± 10			

TOTAL WT. OF TEST SAMPLE 5000 ± 10 g. (500 REVOLUTION)

No. of Spheres: 11

Item	No.	1	2	3
F	Designation	B		
G	Total wt. of Test Sample gm	5000.5		
H	Wt. of tested sample ret. on sieve # 12	3388.8		
I	Percent Loss (G-H)/G*100	32.23		
J	Average Percentage Loss	32.23		

Remarks : This document is confidential and represents only the sample tested.
GTC will keep samples in store for (15) days only, after sample receiving date.

Technician Tested By : NADEEM اجراها

Lab Manager Approved By : ENGR.MAHDI BABIKER BALLA

M-LA01



RP/23/JAN23

1 of 1

Riyadh Office Rimal Area- Najah Road حي الرمال- شارع النجاج هاتف: 011-2664111 - فاكس: 011-2664110

Test Report
GTC Dammam Road Riyadh Saudi Arabia
LOS ANGELES ABRASION TEST
CORROSION FACTOR SASO (ASTMC 131)

Client: AL WATAN CONCRETE READY MIX CO.	المقاول	Testing Date : 17-01-2023/24-06-1444	تاريخ الاختبار
Project : CONCRETE BATCHING PLANT	المشروع	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref : 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75-14	Sub Location: NAZEEM & AL MALHAM		
Source of Material: -	Material Type: 3/8" AGGREGATE		

Grading	1 1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - 1/4"	1/4" - No.4	No.4 - No.8
%							
Designation (F)	A			D			
Wt. of Test Samples	1250 ± 25	1250 ± 25	1250 ± 10	1250 ± 10	2500 ± 10	2500 ± 10	5000 ± 10
Designation	B						
Wt. of Test Samples			2500 ± 10	2500 ± 10			

TOTAL WT. OF TEST SAMPLE 5000 ± 10 g. (500 REVOLUTION)

No. of Spheres: 8

Item	No.	1	2	3
F	Designation	C		
G	Total wt. of Test Sample gm	5000.7		
H	Wt. of tested sample ret. on sieve # 12	3448.6		
I	Percent Loss (G-H)/G*100	31.04		
J	Average Percentage Loss	31.04		

Remarks : This document is confidential and represents only the sample tested.
GTC will keep samples in store for (15) days only, after sample receiving date.

Technician Tested By : NADEEM اجراها

Lab Manager Approved By : ENGR.MAHDI BABIKER BALLA

M-LA01



RP/23/JAN23

1 of 1

Riyadh Office Rimal Area- Najah Road حي الرمال- شارع النجاج هاتف: 011-2664111 - فاكس: 011-2664110

FLAKY AND ELONGATED PARTICLES
ASTM D4791

Client: AL WATAN CONCRETE READY MIX CO.	المقاول	Testing Date : 17-01-2023/24-06-1444	تاريخ الاختبار
Project : CONCRETE BATCHING PLANT	المشروع	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref: 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75	Sub Location: NAZEEM & AL MALHAM		
Source : -	Material: 3/8" AGGREGATE		

المجموع	البحص الخشن					مقاس المنخل	SIEVE SIZE
	#8 - #4	4 - 3/8"	3/8" - 1/2"	1/2" - 3/4"	3/4" - 1"		
TOTAL							
		88.3	213.1				a. Total weight of sample tested (g)
		5.9	11.7				b. Wt. of flaky & elongated pieces (g)
		6.682	5.490				c. % flaky & elongated pieces = (b/a*100)
94.4		59.1	35.3				d. Original grading, % retained
5.9		3.95	1.94				e. Wt. % flaky & elongated
			6.2				f. Wt. Ave % flaky & elongated
			6.2				% of flaky & elongated particles

كحد أعلى %
Max. % () Specifications

Remarks
1. Sample and all other related information was given by client.
2. This document is confidential and it represent only the sample tested.

TESTED BY : NADEEM اجراها

CHECKED BY : ENGR.MAHDI BABIKER BALLA



Riyadh Office Rimal Area- Najah Road حي الرمال- شارع النجاج هاتف: 011-2664111 - فاكس: 011-2664110

FLAKY AND ELONGATED PARTICLES
ASTM D4791

Client: AL WATAN CONCRETE READY MIX CO.	المقاول	Testing Date : 17-01-2023/24-06-1444	تاريخ الاختبار
Project : CONCRETE BATCHING PLANT	المشروع	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref: 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75	Sub Location: NAZEEM & AL MALHAM		
Source : -	Material: 3/4" AGGREGATE		

المجموع	البحص الخشن					مقاس المنخل	SIEVE SIZE
	#8 - #4	1/4" - 3/8"	3/8" - 1/2"	1/2" - 3/4"	3/4" - 1"		
TOTAL							
			253.7	539.3			a. Total weight of sample tested (g)
			19.6	36.7			b. Wt. of flaky & elongated pieces (g)
			7.726	6.805			c. % flaky & elongated pieces = (b/a*100)
94.5			9.1	85.4			d. Original grading, % retained
6.5			0.71	5.81			e. Wt. % flaky & elongated
				6.9			f. Wt. Ave % flaky & elongated
				6.9			% of flaky & elongated particles

كحد أعلى %
Max. % () Specifications

Remarks
1. Sample and all other related information was given by client.
2. This document is confidential and it represent only the sample tested.

TESTED BY : NADEEM اجراها

CHECKED BY : ENGR.MAHDI BABIKER BALLA



Riyadh Office Rimal Area- Najah Road حي الرمال- شارع النجاج هاتف: 011-2664111 - فاكس: 011-2664110

Test Report

GTC Dammam Road Riyadh Saudi Arabia

CLAY LUMPS AND FRIABLE PARTICLES IN AGGREGATE
ASTM C 142 MUD RATIO

Client: AL WATAN CONCRETE READY MIX CO.	المقاول	Testing Date: 17-01-2023/24-06-1444	تاريخ الاختبار
Project: CONCRETE BATCHING PLANT	المشروع	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref: 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75	Sub Location: NAZEEM & AL MALHAM	Material's: 3/4" AGGREGATE	

Sieve Size	Original	Test	After	Retained	Percent	Wted
Passing	Retained	% Each Size	Mass, g	mm	Mass, g	Clay, etc.
mm	mm	g	W	R	P	Clay, etc.
	37.5 (1 1/2")			4.75 (No. 4)		
37.5 (1 1/2")	19 (3/4")	4.7		4.75 (No. 4)	0.124	0.006
19 (3/4")	9.5 (3/8")	94.5	2251.6	4.75 (No. 4)	2248.8	0.124
9.5 (3/8")	4.75 (#4)	0.2		2.36 (No. 8)		0.000
4.75 (#4)	1.18 (#16)			0.85 (No. 20)		
Total						0.124

REMARKS

This document is confidential and represent only the sample tested.
GTC will keep samples in store for (15) days only, after sample receiving date.

Tested By: NADEEM اجراما

Lab Manager Approved By: ENGR.MAHDI BABIKER BALLA
M-CL01



Test Report

GTC Dammam Road Riyadh Saudi Arabia

CLAY LUMPS AND FRIABLE PARTICLES IN AGGREGATE
ASTM C 142 MUD RATIO

Client: AL WATAN CONCRETE READY MIX CO.	المقاول	Testing Date: 17-01-2023/24-06-1444	تاريخ الاختبار
Project: CONCRETE BATCHING PLANT	المشروع	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref: 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75	Sub Location: NAZEEM & AL MALHAM	Material's: 3/8" AGGREGATE	

Sieve Size	Original	Test	After	Retained	Percent	Wted
Passing	Retained	% Each Size	Mass, g	mm	Mass, g	Clay, etc.
mm	mm	g	W	R	P	Clay, etc.
	37.5 (1 1/2")			4.75 (No. 4)		
37.5 (1 1/2")	19 (3/4")			4.75 (No. 4)		
19 (3/4")	9.5 (3/8")	38.6	2250.1	4.75 (No. 4)	2247.9	0.098
9.5 (3/8")	4.75 (#4)	59.1	1150.0	2.36 (No. 8)	1148.7	0.113
4.75 (#4)	1.18 (#16)	1.4		0.85 (No. 20)		0.002
Total						0.106

REMARKS

This document is confidential and represent only the sample tested.
GTC will keep samples in store for (15) days only, after sample receiving date.

Tested By: NADEEM اجراما

Lab Manager Approved By: ENGR.MAHDI BABIKER BALLA
M-CL01



Test Report

GTC Dammam Road Riyadh Saudi Arabia

CLAY LUMPS AND FRIABLE PARTICLES IN AGGREGATE
ASTM C 142 MUD RATIO

Client: AL WATAN CONCRETE READY MIX CO.	المقاول	Testing Date: 17-01-2023/24-06-1444	تاريخ الاختبار
Project: CONCRETE BATCHING PLANT	المشروع	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref: 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75	Sub Location: NAZEEM & AL MALHAM	Material's: CRUSHED SAND	

Sieve Size	Original	Test	After	Retained	Percent	Wted
Passing	Retained	% Each Size	Mass, g	mm	Mass, g	Clay, etc.
mm	mm	g	W	R	P	Clay, etc.
	37.5 (1 1/2")			4.75 (No. 4)		
37.5 (1 1/2")	19 (3/4")			4.75 (No. 4)		
19 (3/4")	9.5 (3/8")			4.75 (No. 4)		
9.5 (3/8")	4.75 (#4)			2.36 (No. 8)		
4.75 (#4)	1.18 (#16)	75.8	100.1	0.85 (No. 20)	99.6	0.500
Total						0.379

REMARKS

This document is confidential and represent only the sample tested.
GTC will keep samples in store for (15) days only, after sample receiving date.

Tested By: NADEEM اجراما

Lab Manager Approved By: ENGR.MAHDI BABIKER BALLA
M-CL01



Test Report

SPECIFIC GRAVITY TEST

ASTM C-127-15, ASTM C128-15

الوزن النوعي

Client: AL WATAN CONCRETE READY MIX CO.	المقاول	Testing Date: 17-01-2023/24-06-1444	تاريخ الاختبار
Project: CONCRETE BATCHING PLANT	المشروع	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref: 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sampling Standard: ASTM D75-14	Sub Location: NAZEEM & AL MALHAM	Material's: 3/4" AGGREGATE	

COARSE AGGREGATE : RET. SIEVE NO. 4		الحجم المثلث من مقل 4	
1	2	Trial No.	
3080.1	3087.8	a- Wt. of oven-dry sample in air (g).	1- وزن العينة بالفواء بعد تجفيفها بالفرن (جم)
3154.2	3162.0	b- Wt. of saturated surface dry sample in air (g).	ب- وزن العينة المشبعة بعد تجفيف السطح (جم)
1937.8	1941.8	c- Wt. of saturated sample in water (g).	ج- وزن العينة المشبعة في الماء (جم)
2.532	2.531	1- Bulk specific gravity (oven-dry)	1- الوزن النوعي الحجمي للعينة المجففة
2.531	2.531	Average Bulk specific gravity	متوسط الوزن النوعي الحجمي للعينة المجففة
2.593	2.591	2- Bulk specific gravity (S.S.D.)	2- الوزن النوعي الحجمي للعينة المشبعة
2.592	2.592	Average Bulk specific gravity	متوسط الوزن النوعي الحجمي للعينة المشبعة
2.696	2.694	3- Apparent specific gravity	3- الوزن النوعي الظاهري
2.695	2.695	Average Apparent specific gravity	متوسط الوزن النوعي الظاهري
2.406	2.403	4- Absorption %	4- نسبة الامتصاص %
2.404	2.404	Absorption average %	متوسط الامتصاص %

FINE AGGREGATE PASSING SIEVE NO. 4		الحجم الناعم والتمر من مقل رقم 4	
1	2	Trial No.	
		a- Wt. of oven-dry sample in air (g).	أ- وزن العينة بالفواء بعد تجفيفها بالفرن (جم)
		b- Wt. of volumetric flask filled with water (g).	ب- وزن التورق + الماء (جم)
		c- Wt. of saturated sample in water (500g).	ج- وزن العينة المشبعة (500جم)
		d- Wt. of volumetric flask + water + sample (g).	د- وزن التورق + الماء + العينة (جم)
		e- Volume of sample (cm³).	هـ- حجم العينة (سم³)
		1- Bulk specific gravity (oven-dry)	1- الوزن النوعي الحجمي للعينة المجففة
		Average Bulk specific gravity	متوسط الوزن النوعي الحجمي للعينة المجففة
		2- Bulk specific gravity (S.S.D.)	2- الوزن النوعي الحجمي للعينة المشبعة
		Average Bulk specific gravity	متوسط الوزن النوعي الحجمي للعينة المشبعة
		3- Apparent specific gravity	3- الوزن النوعي الظاهري
		Average Apparent specific gravity	متوسط الوزن النوعي الظاهري
		4- Absorption %	4- نسبة الامتصاص %
		Absorption average %	متوسط الامتصاص %

Remarks: GTC will keep samples in store for (15) days only, after sample receiving date.
This document is confidential and represent only the sample tested.

Tested By: NADEEM اجراما

Checked and Approved By: ENGR.MAHDI BABIKER BALLA
M-SGT01



Test Report
SPECIFIC GRAVITY TEST
ASTM C-127-15, ASTM C128-15

الوزن النوعي

Client: AL WATAN CONCRETE READY MIX CO.	المختبر	Testing Date : 17-01-2023/24-06-1444	تاريخ الاختبار
Project : CONCRETE BATCHING PLANT	المشروع	Receiving Date : 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref : 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sampling Standard: ASTM D75-14	Sub-Location: NAZEEM & AL MALHAM	Material's: 3/8" AGGREGATE	
Source : -			

COARSE AGGREGATE : RET. SIEVE NO. 4		البحص الخشن مرتك من مثلث رقم 4	
1	2	Trial No.	
2189.1	2188.6	a- Wt. of oven-dry sample in air (g).	أ- وزن العينة بالهواء بعد تجفيفها بالفرن (جم)
2247.2	2246.0	b- Wt. of saturated surface dry sample in air (g).	ب- وزن العينة المشبعة بعد تجفيف السطح (جم)
1377.6	1377.0	c- Wt. of saturated sample in water (g).	ج- وزن العينة المشبعة في الماء (جم)
2.517	2.519	1- Bulk specific gravity (oven-dry)	1- الوزن النوعي الحجمي للعينة الجافة
	2.518	Average Bulk specific gravity	متوسط الوزن النوعي الحجمي للعينة الجافة
2.584	2.585	2- Bulk specific gravity (S.S.D.)	2- الوزن النوعي الحجمي للعينة المشبعة
	2.584	Average Bulk specific gravity	متوسط الوزن النوعي الحجمي للعينة المشبعة
2.698	2.697	3- Apparent specific gravity	3- الوزن النوعي الظاهري
	2.697	Average Apparent specific gravity	متوسط الوزن النوعي الظاهري
2.654	2.623	4- Absorption %	4- نسبة الامتصاص %
	2.638	Absorption average %	متوسط الامتصاص %

FINE AGGREGATE PASSING SIEVE NO. 4		البحص الناعم والمتر من مثلث رقم 4	
1	2	Trial No.	
		a- Wt. of oven-dry sample in air (g).	أ- وزن العينة بالهواء بعد تجفيفها بالفرن (جم)
		b- Wt. of volumetric flask filled with water (g).	ب- وزن التورق + الماء (جم)
		c- Wt. of saturated sample in water (500 g).	ج- وزن العينة المشبعة (500جم)
		d- Wt. of volumetric flask + water + sample (g).	د- وزن التورق + الماء + العينة (جم)
		e- Volume of sample (cm ³).	هـ- حجم العينة (سم ³)
		1- Bulk specific gravity (oven-dry)	1- الوزن النوعي الحجمي للعينة الجافة
		Average Bulk specific gravity	متوسط الوزن النوعي الحجمي
		2- Bulk specific gravity (S.S.D.)	2- الوزن النوعي الحجمي للعينة المشبعة
		Average Bulk specific gravity	متوسط الوزن النوعي الحجمي للعينة المشبعة
		3- Apparent specific gravity	3- الوزن النوعي الظاهري
		Average Apparent specific gravity	متوسط الوزن النوعي الظاهري
		4- Absorption %	4- نسبة الامتصاص %
		Absorption average %	متوسط الامتصاص %

Remarks: GTC will keep samples in store for (15) days only, after sample receiving date. This document is confidential and represent only the sample tested.

Tested By: NADEEM اجرامها
Checked and Approved By: ENGR.MAHDI BABIKER BALLA نكها و اعندما
M-SGT01



Riyadh Office Rimal Area- Najah Road فرع الرياض - حي الرمال- شارع النجاج
هاتف: 011-2664111 - فاكس: 011-2664111

Test Report
SPECIFIC GRAVITY TEST
ASTM C-127-15, ASTM C128-15

الوزن النوعي

Client: AL WATAN CONCRETE READY MIX CO.	المختبر	Testing Date : 17-01-2023/24-06-1444	تاريخ الاختبار
Project : CONCRETE BATCHING PLANT	المشروع	Receiving Date : 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref : 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sampling Standard: ASTM D75-14	Sub-Location: NAZEEM & AL MALHAM	Material's: CRUSHED SAND	
Source : -			

COARSE AGGREGATE : RET. SIEVE NO. 4		البحص الخشن مرتك من مثلث رقم 4	
1	2	Trial No.	
		a- Wt. of oven-dry sample in air (g).	أ- وزن العينة بالهواء بعد تجفيفها بالفرن (جم)
		b- Wt. of saturated surface dry sample in air (g).	ب- وزن العينة المشبعة بعد تجفيف السطح (جم)
		c- Wt. of saturated sample in water (g).	ج- وزن العينة المشبعة في الماء (جم)
		1- Bulk specific gravity (oven-dry)	1- الوزن النوعي الحجمي للعينة الجافة
		Average Bulk specific gravity	متوسط الوزن النوعي الحجمي للعينة الجافة
		2- Bulk specific gravity (S.S.D.)	2- الوزن النوعي الحجمي للعينة المشبعة
		Average Bulk specific gravity	متوسط الوزن النوعي الحجمي للعينة المشبعة
		3- Apparent specific gravity	3- الوزن النوعي الظاهري
		Average Apparent specific gravity	متوسط الوزن النوعي الظاهري
		4- Absorption %	4- نسبة الامتصاص %
		Absorption average %	متوسط الامتصاص %

FINE AGGREGATE PASSING SIEVE NO. 4		البحص الناعم والمتر من مثلث رقم 4	
1	2	Trial No.	
489.3	489.6	a- Wt. of oven-dry sample in air (g).	أ- وزن العينة بالهواء بعد تجفيفها بالفرن (جم)
654.8	656.1	b- Wt. of volumetric flask filled with water (g).	ب- وزن التورق + الماء (جم)
500.0	500.0	c- Wt. of saturated sample in water (500 g).	ج- وزن العينة المشبعة (500جم)
960.6	961.4	d- Wt. of volumetric flask + water + sample (g).	د- وزن التورق + الماء + العينة (جم)
194.20	194.70	e- Volume of sample (cm ³).	هـ- حجم العينة (سم ³)
2.520	2.515	1- Bulk specific gravity (oven-dry)	1- الوزن النوعي الحجمي للعينة الجافة
	2.517	Average Bulk specific gravity	متوسط الوزن النوعي الحجمي
2.575	2.668	2- Bulk specific gravity (S.S.D.)	2- الوزن النوعي الحجمي للعينة المشبعة
	2.571	Average Bulk specific gravity	متوسط الوزن النوعي الحجمي للعينة المشبعة
2.666	2.657	3- Apparent specific gravity	3- الوزن النوعي الظاهري
	2.662	Average Apparent specific gravity	متوسط الوزن النوعي الظاهري
2.187	2.124	4- Absorption %	4- نسبة الامتصاص %
	2.155	Absorption average %	متوسط الامتصاص %

Remarks: GTC will keep samples in store for (15) days only, after sample receiving date. This document is confidential and represent only the sample tested.

Tested By: NADEEM اجرامها
Checked and Approved By: ENGR.MAHDI BABIKER BALLA نكها و اعندما
M-SGT01



Riyadh Office Rimal Area- Najah Road فرع الرياض - حي الرمال- شارع النجاج
هاتف: 011-2664111 - فاكس: 011-2664111

Test Report
SPECIFIC GRAVITY TEST
ASTM C-127-15, ASTM C128-15

الوزن النوعي

Client: AL WATAN CONCRETE READY MIX CO.	المختبر	Testing Date : 17-01-2023/24-06-1444	تاريخ الاختبار
Project : CONCRETE BATCHING PLANT	المشروع	Receiving Date : 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref : 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sampling Standard: ASTM D75-14	Sub-Location: NAZEEM & AL MALHAM	Material's: RED SAND	
Source : -			

COARSE AGGREGATE : RET. SIEVE NO. 4		البحص الخشن مرتك من مثلث رقم 4	
1	2	Trial No.	
		a- Wt. of oven-dry sample in air (g).	أ- وزن العينة بالهواء بعد تجفيفها بالفرن (جم)
		b- Wt. of saturated surface dry sample in air (g).	ب- وزن العينة المشبعة بعد تجفيف السطح (جم)
		c- Wt. of saturated sample in water (g).	ج- وزن العينة المشبعة في الماء (جم)
		1- Bulk specific gravity (oven-dry)	1- الوزن النوعي الحجمي للعينة الجافة
		Average Bulk specific gravity	متوسط الوزن النوعي الحجمي للعينة الجافة
		2- Bulk specific gravity (S.S.D.)	2- الوزن النوعي الحجمي للعينة المشبعة
		Average Bulk specific gravity	متوسط الوزن النوعي الحجمي للعينة المشبعة
		3- Apparent specific gravity	3- الوزن النوعي الظاهري
		Average Apparent specific gravity	متوسط الوزن النوعي الظاهري
		4- Absorption %	4- نسبة الامتصاص %
		Absorption average %	متوسط الامتصاص %

FINE AGGREGATE PASSING SIEVE NO. 4		البحص الناعم والمتر من مثلث رقم 4	
1	2	Trial No.	
299.2	299.0	a- Wt. of oven-dry sample in air (g).	أ- وزن العينة بالهواء بعد تجفيفها بالفرن (جم)
654.8	656.1	b- Wt. of volumetric flask filled with water (g).	ب- وزن التورق + الماء (جم)
300.6	300.2	c- Wt. of saturated sample in water (500 g).	ج- وزن العينة المشبعة (500جم)
840.6	841.5	d- Wt. of volumetric flask + water + sample (g).	د- وزن التورق + الماء + العينة (جم)
114.80	114.80	e- Volume of sample (cm ³).	هـ- حجم العينة (سم ³)
2.606	2.605	1- Bulk specific gravity (oven-dry)	1- الوزن النوعي الحجمي للعينة الجافة
	2.605	Average Bulk specific gravity	متوسط الوزن النوعي الحجمي
2.618	2.615	2- Bulk specific gravity (S.S.D.)	2- الوزن النوعي الحجمي للعينة المشبعة
	2.617	Average Bulk specific gravity	متوسط الوزن النوعي الحجمي للعينة المشبعة
2.638	2.632	3- Apparent specific gravity	3- الوزن النوعي الظاهري
	2.635	Average Apparent specific gravity	متوسط الوزن النوعي الظاهري
0.468	0.401	4- Absorption %	4- نسبة الامتصاص %
	0.435	Absorption average %	متوسط الامتصاص %

Remarks: GTC will keep samples in store for (15) days only, after sample receiving date. This document is confidential and represent only the sample tested.

Tested By: NADEEM اجرامها
Checked and Approved By: ENGR.MAHDI BABIKER BALLA نكها و اعندما
M-SGT01



Riyadh Office Rimal Area- Najah Road فرع الرياض - حي الرمال- شارع النجاج
هاتف: 011-2664111 - فاكس: 011-2664111

Test Report
GTC Dammam Road Riyadh Saudi Arabia
Material Finer Than 75 m (No.200)
Sieve In Mineral Aggregate by Washing
ASTM C-117-13

Client: AL WATAN CONCRETE READY MIX CO.	المختبر	Testing Date : 17-01-2023/24-06-1444	تاريخ الاختبار
Project : CONCRETE BATCHING PLANT	المشروع	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref: 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75-14	Sub-Location: NAZEEM & AL MALHAM	Material's: 3/4" AGGREGATE	
Source : -			

$$A = \left(\frac{B-C}{B} \right) \times 100$$

A = PERCENTAGE OF MATERIAL FINER THAN #200 SIEVE BY WASHING.
B = ORIGINAL DRY MASS OF SAMPLE gm = 3860.1
C = DRY MASS OF SAMPLE AFTER WASHING gm = 3841.9

$$A = \left(\frac{18.2}{3860.1} \right) \times 100 = 0.471 \%$$

Remarks: This document is confidential and represents only the sample tested.

Tested By: NADEEM اجرامها
Checked and Approved By: ENGR.MAHDI BABIKER BALLA نكها و اعندما



Riyadh Office Rimal Area- Najah Road فرع الرياض - حي الرمال- شارع النجاج
هاتف: 011-2664111 - فاكس: 011-2664111

Test Report
GTC Dammam Road Riyadh Saudi Arabia
Material Finer Than 75 m (No.200)
Sieve In Mineral Aggregate by Washing
ASTM C-117-13

Client: AL WATAN CONCRETE READY MIX CO.	Testing Date: 17-01-2023/24-06-1444	تاريخ الاختبار
Project: CONCRETE BATCHING PLANT	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref: 108507	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75-14	Sub-Location: NAZEEM & AL MALHAM	
Source: -	Material's: 3/8" AGGREGATE	

$$A = \left\{ \frac{B-C}{B} \right\} \times 100$$

A = PERCENTAGE OF MATERIAL FINER THAN #200 SIEVE BY WASHING.
B = ORIGINAL DRY MASS OF SAMPLE gm = 2768.7
C = DRY MASS OF SAMPLE AFTER WASHING gm = 2750.5

$$A = \left(\frac{18.2}{2768.7} \right) \times 100 = 0.657 \%$$

Remarks: This document is confidential and represents only the sample tested.

Tested By: NADEEM أجراها

Checked and Approved By: ENGR.MAHDI BABIKER BALLA
تقنها و
اعدها



RP/23/JAN/23

1 of 1

Test Report
GTC Dammam Road Riyadh Saudi Arabia
Material Finer Than 75 m (No.200)
Sieve In Mineral Aggregate by Washing
ASTM C-117-13

Client: AL WATAN CONCRETE READY MIX CO.	Testing Date: 17-01-2023/24-06-1444	تاريخ الاختبار
Project: CONCRETE BATCHING PLANT	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref: 108507	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75-14	Sub-Location: NAZEEM & AL MALHAM	
Source: -	Material's: CRUSHED SAND	

$$A = \left\{ \frac{B-C}{B} \right\} \times 100$$

A = PERCENTAGE OF MATERIAL FINER THAN #200 SIEVE BY WASHING.
B = ORIGINAL DRY MASS OF SAMPLE gm = 1761.4
C = DRY MASS OF SAMPLE AFTER WASHING gm = 1737.9

$$A = \left(\frac{23.5}{1761.4} \right) \times 100 = 1.334 \%$$

Remarks: This document is confidential and represents only the sample tested.

Tested By: NADEEM أجراها

Checked and Approved By: ENGR.MAHDI BABIKER BALLA
تقنها و
اعدها



RP/23/JAN/23

1 of 1

Test Report
GTC Dammam Road Riyadh Saudi Arabia
Material Finer Than 75 m (No.200)
Sieve In Mineral Aggregate by Washing
ASTM C-117-13

Client: AL WATAN CONCRETE READY MIX CO.	Testing Date: 17-01-2023/24-06-1444	تاريخ الاختبار
Project: CONCRETE BATCHING PLANT	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref: 108507	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75-14	Sub-Location: NAZEEM & AL MALHAM	
Source: -	Material's: RED SAND	

$$A = \left\{ \frac{B-C}{B} \right\} \times 100$$

A = PERCENTAGE OF MATERIAL FINER THAN #200 SIEVE BY WASHING.
B = ORIGINAL DRY MASS OF SAMPLE gm = 882.3
C = DRY MASS OF SAMPLE AFTER WASHING gm = 874.9

$$A = \left(\frac{7.4}{882.3} \right) \times 100 = 0.839 \%$$

Remarks: This document is confidential and represents only the sample tested.

Tested By: NADEEM أجراها

Checked and Approved By: ENGR.MAHDI BABIKER BALLA
تقنها و
اعدها



RP/23/JAN/23

1 of 1

Test Report
GTC Dammam Road Riyadh Saudi Arabia
Dry Rodded Unit Weight
VALUME IN WEIGHT - ASTM C29-09

Client: AL WATAN CONCRETE READY MIX CO.	المقاول	Testing Date: 17-01-2023/24-06-1444	تاريخ الاختبار
Project: CONCRETE BATCHING PLANT	المشروع	Receiving Date: 14-01-2023/21-06-1444	تاريخ العينة
Sample Ref: 108507	رقم العينة	Location: AL-RIYADH	الموقع
Sample Standard: ASTM D75-14		Sub Location: NAZEEM & AL MALHAM	
Source: -		Blending Aggregate: 3/4" AGGREGATE	

Trial No.	1	2	3
Wt. of Aggregate + Container	18576	18555	18593
Weight of Container	3404	3404	3404
Aggregate Volume of	15172	15151	15189
Container Unit	10049	10049	10049
Weight Average Unit Weight gm/cm ³	1.510	1.508	1.511
	1.510		

Remarks: This document is confidential and represents only the sample tested.
GTC will keep remaining samples in store for (15) days only, after sample receiving date.

Tested By: MUSAB أجراها

Checked and Approved By: ENGR.MAHDI BABIKER BALLA
تقنها و
اعدها

RP/23/JAN/23

M-druw01

1 of 1

Test Report

GTC Dammam Road Riyadh Saudi Arabia
Dry Rodded Unit Weight

VALUME IN WEIGHT - ASTM C29-09

Client: AL WATAN CONCRETE READY MIX CO.	المقاول	Testing Date : 17-01-2023/24-06-1444	تاريخ الاختبار
Project : CONCRETE BATCHING PLANT	المشروع	Receiving Date: 14-01-2023/21-06-1444	تاريخ الحياطة
Sample Ref: 108507	رقم العينة	Location : AL-RYADH	الموقع
Sample Standard: ASTM D75-14		Sub Location: NAZEEM & AL MALHAM	
Source :		Blending Aggregate: 3/8" AGGREGATE	

Trial No.	1	2	3
Wt. of Aggregate + Container Weight of	18422	18402	18418
Container Weight of	14171	14171	14171
Aggregate Volume of	4251	4231	4247
Container Unit Weight	2830.7	2830.7	2830.7
Weight Average Unit Weight gm/cm ³	1.502	1.495	1.500
	1.499		

Remarks: This document is confidential and represents only the sample tested.
GTC will keep remaining samples in store for (15) days only, after sample receiving date.

Tested By: MUSAB اجراما

Checked and Approved By: ENGR.MAHDI BABIKER BALLA

M-druw01

1 of 1



فرع الرياض - حي الرمال - شارع النجاج
Riyadh Office Rimal Area- Najah Road
هاتف: 011-2664110 - فاكس: 011-2664111

CHEMICAL ANALYSIS OF COARSE AGGREGATES

Client : Al Watan Ready Mix Co	Testing Date :	23/01/2023
Project : Concrete Batching Plant	Receiving Date:	14/01/2023
No of Samples: 1	Location :	Malham and Nazeem
Sample Ref : 108507/1	Nature of Sample:	Coarse aggregates

Determination of Total (ACID SOLUBLE) chloride and sulphate content

Sample Identification	Sulphate as SO ₃ %	Chloride as CL %
COARSE AGGREGATE		
COARSE AGGREGATE 3/4"	0.116	0.2116
Recommended Maximum Limit (% by Weight) for M.O.R.(Municipality of Riyadh)	0.5	1.00

Note: sample represents it self.
sample given by the client.

Remarks: Test method BS 812: Part 117&118:1988

Approved by: Wael Sawan

Chemical Engineer



Ref.: 108507-1

فرع الرياض - حي الرمال - شارع النجاج
Riyadh Office Rimal Area- Najah Road
هاتف: 011-2664110 - فاكس: 011-2664111

CHEMICAL ANALYSIS OF COARSE AGGREGATES

Client : Al Watan Ready Mix Co	Testing Date :	23/01/2023
Project : Concrete Batching Plant	Receiving Date:	14/01/2023
No of Samples: 1	Location :	Malham and Nazeem
Sample Ref : 108507/2	Nature of Sample:	Coarse aggregates

Determination of Total (ACID SOLUBLE) chloride and sulphate content

Sample Identification	Sulphate as SO ₃ %	Chloride as CL %
COARSE AGGREGATE		
COARSE AGGREGATE 3/8"	0.172	0.2145
Recommended Maximum Limit (% by Weight) for M.O.R.(Municipality of Riyadh)	0.5	1.00

Note: sample represents it self.
sample given by the client.

Remarks: Test method BS 812: Part 117&118:1988

Approved by: Wael Sawan

Chemical Engineer



Ref.: 108507-2

فرع الرياض - حي الرمال - شارع النجاج
Riyadh Office Rimal Area- Najah Road
هاتف: 011-2664110 - فاكس: 011-2664111

CHEMICAL ANALYSIS OF FINE AGGREGATES

Client : Al Watan Ready Mix Co	Testing Date :	23/01/2023
Project : Concrete Batching Plant	Receiving Date:	14/01/2023
No of Samples: 1	Location :	Malham and Nazeem
Sample Ref : 108507/3	Nature of Sample:	Fine aggregates

Determination of Total (ACID SOLUBLE) chloride and sulphate content

Sample Identification	Sulphate as SO ₃ %	Chloride as CL %
Fine AGGREGATE		
crushed sand	0.206	0.1454
Recommended Maximum Limit (% by Weight) for M.O.R.(Municipality of Riyadh)	0.5	1.00

Note: Sample represents it self.
sample given by the client.

Remarks: Test method BS 812: Part 117&118:1988

Approved by: Wael Sawan

Chemical Engineer



Ref.: 108507-3

فرع الرياض - حي الرمال - شارع النجاج
Riyadh Office Rimal Area- Najah Road
هاتف: 011-2664110 - فاكس: 011-2664111

CHEMICAL ANALYSIS OF FINE AGGREGATES

Client :	Al Watan Ready Mix Co	Testing Date :	23/01/2023
Project :	Concrete Batching Plant	Receiving Date :	14/01/2023
No. of Samples :	1	Location :	Malham and Nazeem
Sample Ref :	1085074	Nature of Sample :	Fine aggregates

Determination of Total (ACID SOLUBLE) chloride and sulphate content

Sample Identification	Sulphate as SO ₃ %	Chloride as CL %
Fine AGGREGATE		
Red sand	0.0044	0.0043
Recommended Maximum Limit (% by Weight) for M.O.R.(Municipality of Riyadh)	0.5	1.00

Note: Sample represents it self.
sample given by the client.

Remarks: Test method BS 812: Part 117&118:1988

Approved by : WAEL SAWAN

Chemical Engineer




Ref.: 108507-4

CHEMICAL ANALYSIS OF WATER

Client :	Al Watan Concrete Factory	Testing Date :	22/01/2023
Project :	Concrete Batching Plant	Receiving Date :	14/01/2023
No of Samples :	1	Location :	Malham and Nazeem
Sample Ref :	1085075	Nature of Sample :	Water for Concrete

CHARACTERISTIC/CONSTITUENTS	UNIT	RESULTS	ASTM C1602
Total Dissolved Solids (TDS)	mg/l	105	50,000
Chlorides	mg/l	33	1,000
Sulphates	mg/l	5	3,000
pH	-	8.06	-

Remarks: Suitable for concrete mixing & curing according to ASTM C 1602

Note: sample represents it self.
sample given by the client.

Tested By : Wael Sawan
Chemical Engineer




Ref.: WATER_108507-5

ORGANIC IMPURITIES IN FINE AGGREGATE

(ASTM C - 40)

Client :	Al Watan Ready Mix Co	Testing Date :	21/01/2023
Project :	Concrete Batching Plant	Receiving Date :	14/01/2023
No of Samples :	1	Location :	Malham and Nazeem
sample Ref :	1085076	Nature of Sample :	Fine agg. crushed Sand

Lighter



Darker



Observation :

The Colour of supernatant liquid above the test sample is lighter than that of the reference standard Organic Colour Plate No.3

REMARKS Test Sample Considered no injurious Organic Impurities.

Note: Sample represents it self.
sample given by the client.

TESTED BY :

Wael Sawan

Chemical Engineer

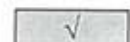



ORGANIC IMPURITIES IN FINE AGGREGATE

(ASTM C - 40)

Client :	Al Watan Ready Mix Co	Testing Date :	21/01/2023
Project :	Concrete Batching Plant	Receiving Date :	14/01/2023
No of Samples :	1	Location :	Malham and Nazeem
sample Ref :	1085077	Nature of Sample :	Fine agg. red Sand

Lighter



Darker



Observation :

The Colour of supernatant liquid above the test sample is lighter than that of the reference standard Organic Colour Plate No.3

REMARKS Test Sample Considered no injurious Organic Impurities.

Note: Sample represents it self.
sample given by the client.

TESTED BY :

Wael Sawan

Chemical Engineer




السادة / مصنع الوطن للخرسانة الجاهزة - فرع التنظيم
المحترمين
السلام عليكم ورحمة الله وبركاته ...

تجدون برفقة مسودة التقرير الدوري الخاص بمصنعكم الواقع في (التنظيم)
ويحتوي هذا التقرير على جميع البيانات والإحصائيات التي تم توثيقها عن
التجهيزات وأنشطة ضبط الجودة الذاتية وكذلك جودة الإنتاج في مصنعكم خلال الفترة
من يوليو ٢٠٢١م إلي سبتمبر ٢٠٢٢م
كما نفيدكم انه تم تطبيق الاسس والمعايير المحددة في دليل التصنيف على
مصنعكم وذلك استناداً على البيانات والإحصائيات الموثقة في التقرير الدوري
للمصنع وكانت النتيجة أن مصنعكم يحقق متطلبات التصنيف لفئة (ب) وهذا يعني
أن المصنع هو أحد المصانع الجيدة العاملة في مدينة الرياض خلال هذه الفترة .
نأمل بعد الإطلاع ومراجعة التقرير إبداء أي ملاحظات أو مرئيات على ما جاء
فيه كتابياً خلال أسبوع من تاريخه مع أرفاق موافقات البلدية اللازمة على الموقع .

والله الموفق ...

مدير إدارة المواد والبحوث

مطلق

م. مطلق بن محمد العتيبي