

Submittal Of Documents

Date: 29/10/2024

Request no: SOD-MSE-AHE-0000076_REV.00

Project No. & Title: Intersection between Regional Ringroad and HSR @ ST. 32+650

Employer: 	Engineer:  Arab House of Engineering سر بسامد	Contractor: 
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1. Document type

- ☐ Material samples ☐ Catalogues ☒ Tests ☐ Technical sheets
☐ Manufacturer certificates ☐ Schedules ☐ Other

2. Submittal details

Item no.	Description of items submitted/ quantity	Ref.	Contract doc. Ref. & compliances
	التقارير الشهرية بصلاحيات خامات : (سن ١,٢ - رمل - اسمنت - مادة - مياه) الخاصة بالخلطة الخرسانة لشهر ٩-٢٠٢٤ ونائج اختبارات المكعبات القياسية لأعمار ٢٨ & ٧ يوم للعناصر الخرسانية المسلحة		

These are transmitted for:

- ☐ Your information ☒ Approval ☒ Review & comment ☐ Other

Submitted by: Eng / Ahmed Mohammed EL-Sheikh

Signature:

3. Engineer's Representative comments:

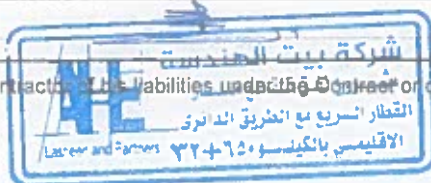
- ☐ Approved
☒ Approved as noted
☐ Revise & resubmit
☐ Rejected
☐ Others

تم اعتماد التقرير الشهري المقدم من طرف
المواد المرصدة ونتائج المصبات للمضام المنصبة لتهتمت خلال
التمهيد الأعمار ٢٨ & ٧ يوم الرضعة بالتقارير المرفقة.

Signature:

Date: 30-10-2024

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents



RESULTS OF Testing of Aggregate (Fine or Coarse)
(Chlorides & Sulphate)
BS-812 Part117 & Part118

Date	24-09-24	Client	المنشآت والمعدات الحديثة
Delivery date	16-09-24	source	ابو عجوة
Testing date	22-09-24	Form	3206

Material Type	Test	Results	Limits According to ECP
Sand	Chloride Content	0.05%	0.06%
	Sulfate Content	0.29%	0.40%

Note:

- The Sample was delivered to the Lab by the Client.
- The Above Data is according to the information received from the Client.
- The Results above apply only to the sample delivered to the lab.
- The sample is acceptable, but the sources should be monitored to confirm the quality and prevent any quality issues

Checked QA :	Eng. Yare Fouaad
Signature:	2024-09-24
Lab manager	Eng. Mohamed Almadani

CODE Ch06-F-28-10-24-26

sites No-1

Approved by Dr Adel Elkordi

CODE Ch07-F-28-10-24-26

RESULTS OF Testing of Aggregate (Fine or Coarse)
(Chlorides & Sulphate)
BS-812 Part117 & Part118

Date	24-09-24	Client	المنشآت و المعدات الحديثة
Delivery date	16-09-24	source	عتاقه
Testing date	22-09-24	Form	3206

Material Type	Test	Results	Limits According to ECP
Aggregate.1	Chloride Content	0.0200	0.04%
	Sulfate Content	0.28	0.40%
Aggregate.2	Chloride Content	0.0250	0.04%
	Sulfate Content	0.3	0.40%

Note:

- The Sample was delivered to the Lab by the Client.
- The Above Data is according to the information received from the Client.
- The Results above apply only to the sample delivered to the lab.

Checked OA :	Eng:Yara Fouaad
Signature:	
Lab manager	Eng:Mohammed Alsadek

sites No-1

CODE Ch06-F-28-10-24-27

Approved by Dr Adel Elkordi

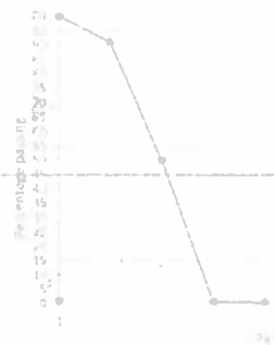
CODE Ch07-F-28-10-24-27

RESULTS OF SIEVE ANALYSIS OF COARSE AGGREGATE
ASTM C 136 &

materials finer than no.200 in aggregate by washing ASTM C 117

Date	25-09-24	Client	المشاة الجديدة
Delivery Date	16-09-24	الفرع أبو عجوة	ready rocks
Testing Date	22-09-24	FORM NO	2946

Material Type	Sieve Size (mm)	Passing %	Limits	
			Min.	Max.
COARSE AGGREGATE (1)	19	100	100	100
	12.5	91	90	100
	9.5	50	40	70
	4.75	0.6	0	15
	2.36	0.4	0	5



materials finer than no.200 in aggregate by washing

Test	Aggregates Size:1
Percentage of material finer than Sieve size 75 mm (No 200)	0.65

ASTM C 33 limits:

The amount of percentage of material finer than sieve size 75 μ m (No 200)

The Test Results is ☒ Comply ☐ Not Comply) with Spec. Limits

Tested by :	
Checked by:	
Lab manager	

Approved by Dr Adel Elkordy

CODE: Ag02A-F-25-9-24-50

4t four technology labs.
sites No-1

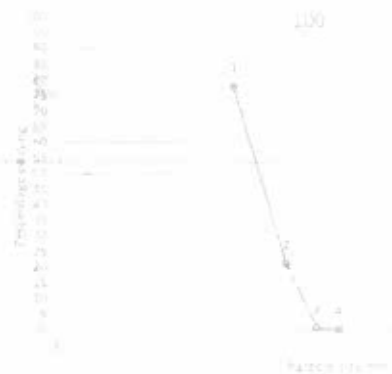


RESULTS OF SIEVE ANALYSIS OF COARSE AGGREGATE
ASTM C 136 &

materials finer than no.200 in aggregate by washing ASTM C 117

Date	25-09-24	Client	الانشآت والحدائق الحديثة
Delivery Date	16-09-24	source	مستلزمات ready rocks
Testing Date	22-09-24	FORM NO	2948

Material Type	Sieve Size (mm)	Passing %	Limits	
			Min.	Max.
COARSE AGGREGATE (2)	25	100	100	100
	19	77.9	90	100
	12.5	21.23	20	55
	9.5	0.7	0	10
	4.75	0.1	0	5



materials finer than no.200 in aggregate by washing

Test	Aggregates Size.2
Percentage of material finer than Sieve size 75 mm (No.200)	0.5

ASTM C 33 limits

The amount of percentage of material finer than sieve size 75 μ m (No.200)

The Test Results is (☐ Comply)

☐ Not Comply) with Spec. limits

Tested by:	
Checked by:	
Lab manager	

Approved by Dr. Adel Elkorai

CODE: Ag02B-F-25-9-24-51



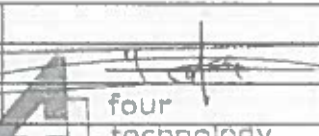
RESULTS OF SPECIFIC GRAVITY AND ABSORPTION OF COARSE AGGREGATE ASTM C127

Date	25-09-24	Client	المشروعات و البعثات الحديثة
Delivery date	16-09-24	source	مستلزمات ready rocks
Testing date	22-09-24	FORM NO	2946

Material Type	Test	Aggregates	Aggregates	LIMIT ECP 203-2017	
		Size # 2	Size # 1	MIN	MAX
COARSE AGGREGATE	Bulk Specific Gravity Dry	2.55	2.52	-	-
	Bulk Specific Gravity (SSD)	2.6	2.57	-	-
	Apparent Specific Gravity	2.69	2.65	2.60	2.70
	Absorption %	2	2.00	-	2.50

Note:

- The Sample was delivered to the Lab by the Client.
- The Above Data is according to the Information received from the Client.
- The Results above apply only to the sample delivered to the lab.

Tested by :	 four technology labs. sites No-1
Checked by :	
Lab manager	

Approved by	Dr. Adel Elkordi
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CODE: Ag04-F-25-9-24-53



UNIT WEIGHT AND VOIDS IN FINE AGGREGATE ASTM C 29

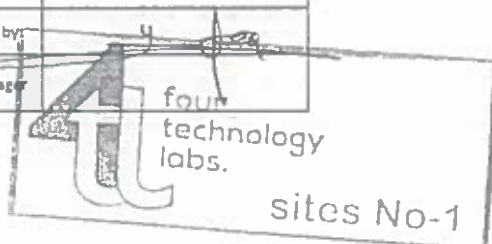
Date	25-09-24	Client	المنشآت والحدائق الحديثة
Delivery date	16-09-24	source	الفرج ابو عجوة
Testing date	22-09-24	FORM NO	2946

Material Type	Test	Results
FINE AGGREGATE	Unit Weight (Kg/m ³) Rodding	1.750
	Unit Weight (Kg/m ³) loose	1.620

Note:

- The Sample was delivered to the Lab by the Client.
- The Above Data is according to the information received from the Client.
- The Results above apply only to the sample delivered to the lab.

Tested by:	
Checked by:	
Lab manager	



Approved by	Dr Adel E kord
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CODE: Ag05-F-25-9-24-54



UNIT WEIGHT AND VOIDS IN Coarse AGGREGATE ASTM C 29

Date	25-09-24	Client	المنشآت والمعدات الحديثة
Delivery date	16-09-24	source	عناقة ready rocks
Testing date	22-09-24	FORM NO	2946

Material Type	Test	Aggregates size #1	Aggregates size #2
COARSE AGGREGATE	Unit Weight (Kg/m ³) Rodding	1.420	1.460
	Unit Weight (Kg/m ³) Loose	1.290	1.320

Note:

- According to ASTM C-29 & ASTM C-33 there no limits for unit weight .
- The Sample was delivered to the Lab by the Client.
- The Above Data Is according to the information received from the Client.
- The Results above apply only to the sample delivered to the lab.

Tested by:	
Checked by:	
Lab manager:	 four technology labs.

sites No-1

Approved by	Dr Adal Elkord
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CODE: Ag06-F-25-9/24-55



**RESISTANCE TO DEGRADATION
OF SMALL SIZE AGGREGATE BY ABRASION
AND IMPACT IN LOS ANGELES MACHINE
ASTM C 131**

Date	25-09-24	Client	المشروعات الحديثة
Delivery date	16-09-24	source	عناقة ready rocks
Testing date	22-09-24	FORM NO	2946

Material Type	Test	Aggregates size #1 %	Aggregates size #2 %	LIMIT ECP - 103
COARSE AGGREGATE	Amount of loss by abrasion and impact (%) Coarse Aggregate	17.3	16.59	30%

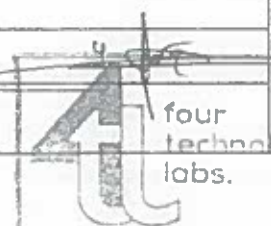
ASTM C 33 limits

The amount of loss by abrasion and impact for moderate weathering regions class 4 M

***Gradings of Test Samples (Grade B)**

Note:

- The Sample was delivered to the Lab by the Client.
- The Above Data is according to the information received from the Client.
- The Results above apply only to the sample delivered to the lab.

Tested by :	 four technology labs.
Checked by :	
Lab manager	

sites No-1

Approved by

Dr Adel Elkordi

CODE: Ag07-F-25-9-24-56



Aggregate Crushing VALUE BS 812 - PART 110

Date	25-09-24	Client	المشروعات الحديثة
Delivery date	16-09-24	source	مناقل ready rocks
Testing date	22-09-24	FORM NO	2946

Material Type	Test	Aggregates size #2 %	Aggregates size #1 %	MAX LIMIT ECP 207
COARSE AGGREGATE	ACV VALUE (KN)	9.3	10	30%

Note:

BS 812 - PART 110 limits:

- The Sample was delivered to the Lab by the Client.
- The Above Data is according to the information received from the Client.
- The Results above apply only to the sample delivered to the lab.

Tested by:	
Checked by:	
Lab manager:	

Approved by	Dr Adel Elkordy
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CODE: Ag08-F-25-9-24-57



CLAY LUMPS AND FRIABLE PARTICLES IN FINE AGGREGATE ASTM C 142

Date	25-09-24	Client	مشاريع و البعثات الحديثة
Delivery date	12-09-24	source	الفرج ابو عجيوة
Testing date	22-09-24	FORM NO	2946

Material Type	Test	Results	limit MAX
FINE AGGREGATE	Percentage of clay lumps and friable Particles %	0.50	3.0%

Note:

ASTM C 33 limits:

- The amount of clay lumps & friable particles Shall not exceed 3 %
- The Sample was delivered to the Lab by the Client.
- The Above Data is according to the information received from the Client.
- The Results above apply only to the sample delivered to the lab.

Tested by:	
Checked by:	
Lab manager	

Approved by	Dr Adel Elkordi
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CODE: Ag10-F-25-B-24-58

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CLAY LUMPS AND FRIABLE PARTICLES IN COARSE AGGREGATE ASTM C 142

Date	25-09-24	Client	المشروعات والمعدات الحديثة
Delivery date	12-09-24	source	مناقة ready rocks
Testing date	22-09-24	FORM NO	2946

Material Type	Test	Aggregates size #2 %	Aggregates size #1 %	LEMIT (ECP 203-2017)
COARSE AGGREGATE	Percentage of clay lumps and friable Particles %	1.32	0.66	5%

Note:

ASTM C 33 limits

- The amount of clay lumps & friable particles for moderate weathering regions class 4 M Shall not exceed 5%
- The Sample was delivered to the Lab by the Client.
- The Above Data is according to the information received from the Client.
- The Results above apply only to the sample delivered to the lab.

Tested by:	
Checked by:	
Lab manager	



Approved by	Dr Adel Elkordi
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CODE: Ag11-F-25-9-24-58



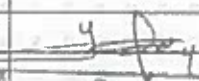
**ELONGATION AND FLAKINESS
OF AGGREGATE
BS 812 Part 105**

Date	25-09-24	Client	المشروعات الجديدة
Delivery date	16-09-24	source	ready rocks عتاقه
Testing date	22-09-24	FORM NO	2946

Material Type	Test	Aggregates size # 2 %	Aggregates size # 1 %	LIMIT (ECP 203 - 2017)
COARSE AGGREGATE	Flakiness Index %	18.5	19	25%

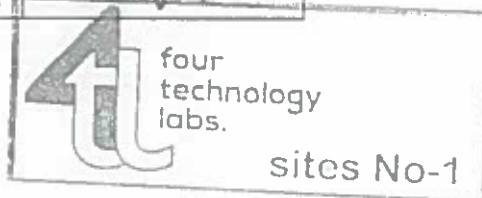
Note:

- The Sample was delivered to the Lab by the Client.
- The Above Data is according to the information received from the Client.
- The Results above apply only to the sample delivered to the lab.
- BS 812 Part 105 limits:
Shall not exceed 25%(Limits for concrete Aggregate)

Tested by:	
Checked by:	
Lab manager	

Approved by	Dr Adel Elkordi
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CODE: Ag13-F-25-9-24-60



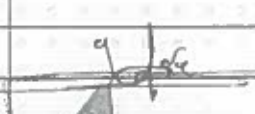
ELONGATION AND FLAKINESS OF AGGREGATE BS 812 Part 105

Date	25-09-24	Client	المشروعات الحديثة
Delivery date	12-09-24	source	مناقلات ready rocks
Testing date	22-09-24	FORM NO	2946

Material Type	Test	Aggregates size # 2 %	Aggregates size # 1 %	LIMIT (ECP 203 - 2017)
COARSE AGGREGATE	Elongation Index %	15.2	16	30%

Note:

- The Sample was delivered to the Lab by the Client.
- The Above Data is according to the information received from the Client.
- The Results above apply only to the sample delivered to the lab.
- BS 812 Part 105 limits
Shall not exceed 25% (Limits for concrete Aggregate)

Tested by :	
Checked by:	
Lab manager	 four technology labs. sites No-1

Approved by	Dr Adel El kard
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CODE: Ag14-F-25-9-24-F3



ORGANIC IMPURITIES IN FINE AGGREGATE ASTM C 40

Date	25-09-24	Client	لبنشات و المعدات الحديثة
Delivery date	16-09-24	source	الفرج ابو عجوة
Testing date	22-09-24	FORM NO	2946

Material Type	Test	Results	Limit
FINE AGGREGATE	organic impurities	Nil	Not Darker Than Light Yellow

Note:

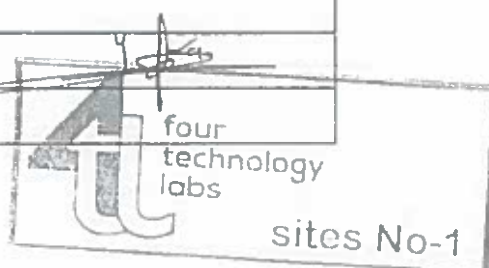
- The Sample was delivered to the Lab by the Client.
- The Above Data is according to the information received from the Client.
- The Results above apply only to the sample delivered to the lab.

ASTM C 33 limits:

- Color should be lighter than the standard

The Test Results is (☒ Comply - ☐ Not Comply) with Spec. Limits

Tested by:	
Checked by:	
Lab manager	



Approved by	Dr Adel Elkordi
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CODE: Ag19-F-25-9-24-62



**RESULTS OF Testing of of water (Cl,SO3, PH & T.D.S.)
AASHTO T-26 & ASTM C-94**

Date	25-09-24	SOURCE	Portable Water
Delivery date	16-09-24	CLIENT	المشروعات الحديثة
Testing date	22-08-24	FORM NO	2946

Material Type	Test	Results	LIMIT.
Water	PH Value	7.3	7
	Total Dissolved Salts (T.D.S)	0.098 g/l	2.00
	Chloride Content	0.034 g/l	0.5
	Sulfate Content	0.052 g/l	0.3

Note:

- The Sample was delivered to the Lab by the Client.
- The Above Data is according to the information received from the Client.
- The Results above apply only to the sample delivered to the lab.

The Test Results is (☐ Comply - ☐ Not Comply) with Spec. Limits

Tested by :	
Checked by :	
Lab manager	 four technology labs. sites No-1

Approved by Dr Adel Elkordi

CODE: Ch03-F-25-9-24-66



RESULTS OF Testing of ADMIXTURES (PH, Density& Solid C.)
ASTM C-494

Date	25-09-24	FORM NO	2946
Delivery date	16-08-24	Client	المنشآت الحديثة
Testing date	22-08-24	ADD TYPE	Fv1240 اباي

Material Type	Test	Results
ADMIXTURES	PH Value	7.8
	Density	1.202
	Solid Content	39.6%

Note:

- The Sample was delivered to the Lab by the Client.
- The Above Data is according to the information received from the Client.
- The Results above apply only to the sample delivered to the lab.

The Test Results is (☐ Comply - ☐ Not Comply) with Spec. Limits

Tested by :	
Checked by :	
Lab manager	



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sites No-1

Approved by Dr Adel Elkordi

CODE: Ch05-F-25-9-24-65



CERTIFICATE OF ANALYSIS COA

HA-BE-QC-F0103

CERTIFICATE OF ANALYSIS

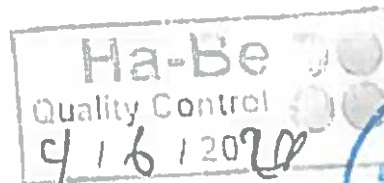
DELIVERY NOTE No. : EGY/2024/1802 DATE: 04.06.2024
CHARGE No. : EGY/2024/1108

COSTUMER : Modern Structures
PLANT : BANI SWEIF
QUANTITY : 5000 liters

PRODUCT : PANTARHIT® FM240
ITEM No. : 0808/E
DESCRIPTION : Super Plasticizer admixture
ACTIVE SUBSTANCES : Naphthalene sulphonate with additives
STANDARD COMPLIANCE : BS EN 934-2
DATE OF TESTING : 15.05.2024

RESULTS:

DESCRIPTION	SPECIFICATION	RESULTS
Steadiness	Homogenous	homogenous
State	Liquid	liquid
Color	Dark brown	Dark brown
Density	$1,22 \pm 0,03$	1.22
pH – value	$7,0 \pm 1,0$	7.4



Mahmoud Eid

(QC In charge)

(Production Manager)



FORM NO - HA-BE-QC-F0103
ISSUE NO - 1
ISSUE DATE - 1-5-2020
APPROVED QA&QC

Results of Physical Analysis of Cement
Limits as per
BS EN196 Part-1

Date	22-10-2024	SOURCE	بني سويف
Client	المشروعات الحديثة	Type	OPC 42.5
FORM NO	3089	Delivery Date	07-10-24

Compressive Strength Of Mortar Cubes (BS EN196 Part-1)

Age (days)	Compressive Strength (MPa)			AV. Compressive Strength (MPa)	Limits MIN (MPa)
2	14.2	13.5	15.6	14.4	10

Note:

Compressive Strength BS EN196 Part-1

CODE Ce01-F-24-10-24-8

Setting Time By Vicate Apparatus (ASTM C 191)

Test	Setting Time (minute)	(Limits)
Initial Setting Time	61	45 minute (Min.)
Final Setting Time	299	375 minute (Max.)

CODE Ce02-F-24-10-24-8

Fineness Of Cement By Air Permeability Apparatus (ASTM C 204)

TEST	Fineness (m2/Kg)	ASTM C 150 limit
Air Permeability Test	2980	2600 Cm2/Kg (Min.)

CODE Ce03-F-24-10-24-8

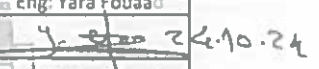
Soundness of Cement

Result (mm)	Limits
1.0	Not More Than 10 mm.

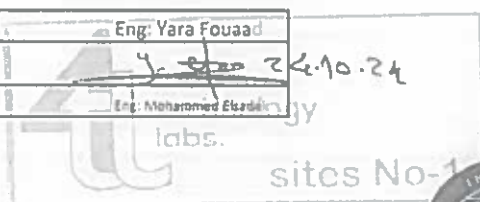
CODE Ce04-F-24-10-24-8

Note:

- The Test Results is (☒ Comply - ☐ Not Comply) with Spec. Limits
- The Sample was delivered to the Lab by the Client.
- The Above Data is according to the information received from the Client.
- The Results above apply only to the sample delivered to the lab.

Checked by:	Eng. Yara Fouaad
Signature:	
Lab manager :	Eng. Mohamed Elzaidi

Approved by	Dr Adel Elkordi
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Testing of Cement (Cement Content determination) ASTM C-114

Date	22-10-2024	Source	Bani Sweif
Tasting date	13-10-2024	Client	المنشآت و المعدات الحديثة
Delivery date	07-10-24	source	42.5 OPC

Material Type	Test	Results	Egption Code 4756 Max Limites
Cement	Insoluble Residue	2.5%	5.0%
	Sulfur Trioxide	2.30%	3.5%
	Loss On Ignition	1.8%	5.0%

Note:

- The Sample was delivered to the Lab by the Client.
- The Above Data is according to the information recelved from the Client.
- The Results above apply only to the sample delivered to the lab.

The Test Results is (☒ Comply - ☐ Not Comply) with Spec. Limits

Checked by QA:	Eng: Yara Fouaad
Signature:	
Lab manager :	Eng: Mohammed Elsadek

Approved by Dr Adel Elkordi

FORM NO: 3089

CODE: Ch10-F-24-10-24-9

COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

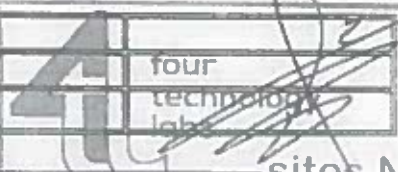
Date	05-09-24	Class of Concrete	C15/ 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ تقاطع مممر الخط الدائري للقطار الكهربائي السريع (6 أكتوبر - الأقصر - إسماعيل - أبو سمبل) مع الطريق الدائري الاقليمي عند كم (650+32) بنظم خولزريق المسند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2854	Element	Pile-P 35

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
4	08-08-24	5-9-2024	638	1860	44.8	93.3	85.3	28
5			643	1875	39.2	81.6		
6			644	1878	38.9	81.0		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by:	
Checked by:	
Lab manager	

CODE Co 008-Modern-Pile-F-62-B

sites No-1

Approved by	Dr. Adel Elkordi
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CODE: CO08-F-3-5-24-18

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HSR المنشآت الحديثة

COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	03-09-24	Class of Concrete	C15 Kg/Cm ² / 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الإقليمي عند كم (650+32) بنظام خوازيق الست المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2771-5	Element	Pile-P41

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
1	06-08-24	3-9-2024	648	1889	31	64.5	56.2	28
2			657	1915	25	52.0		
3			620	1808	25	52.0		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS



COMPLY



NOT COMPLY

Tested by:
Checked by:
Lab manager

CODE Co 008-Modern Pile-E-44-B

sites No-1

Approved by Dr Adel Elkordi

CODE: CO08-E-44-B-17

المنشآت الحديثة HSR

COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	04-09-24	Class of Concrete	C15 Kg/Cm ² / 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الاقليمي عند كم (650+32) بنظم خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2771-6	Element	Pile-P 39

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
1	07-08-24	4-9-2024	637	1857	30	62.4	50.0	28
2			659	1921	23	47.9		
3			640	1866	19	39.6		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

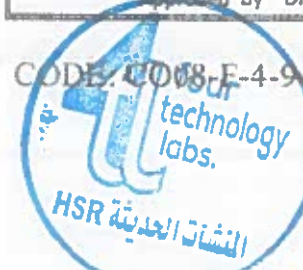
Tested by :
Checked by :
Lab manager

CODE Co 008-Modern-Piles-45-B

sites No-1

Approved by Dr Adel Elkordi

CODE: CO08-F-4-9-24-18



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	04-09-24	Class of Concrete	C15 Kg/Cm ² / 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي المربع (6 أكتوبر - الأقصر - اسوان - أبو ميمب) مع الطريق الدائري الأقليمي عمد كم (650+32) بنظام خوازيق المسك المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2771-7	Element	Pile-P 37

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/GM ²)	Age(Days)
1	07-08-24	4-9-2024	647	1886	27	56.2	51.3	28
2			657	1915	28	58.3		
3			637	1857	19	39.6		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by:	
Checked by:	
Lab manager:	

four
technology
labs.

CODE Co 008-Modern-Pile-F-36-LB
Cubes No-1

Approved by Dr Adel Elkordi

CODE: Co008-F-4-9-24-19

four
technology
labs.

المنشآت الحديثة HSR

COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	03-09-24	Class of Concrete	C15 Kg/Cm ² / 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع ممد الخط الثاني للقطار الكهربائي السريع (6 الكوبر - الأقصر - اسوان - أبو سمبل) مع الطريق الدائري الأقليمي عند كم (650+32) بنظام خوازيق المسند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2771-4	Element	Pile-P36

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
1	06-08-24	3-9-2024	658	1918	31	64.5	69.4	28
2			663	1933	33	68.7		
3			658	1918	36	74.9		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by:	
Checked by:	
Lab manager:	

four
technology
labs.

CODE Cc 008-Modern Pile-F-4 sites No-1

Approved by: Dr. Adel Elkordi

CODE: C008-F-4-9-24-16

four
technology
labs.

النشآت الحديثة HSR

COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	01-09-24	Class of Concrete	C15 Kg/Cm ² / 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الأقليمي عمد كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2771-1	Element	Pile-P42

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
4	04-08-24	1-9-2024	663	1933	51	106.2	101.9	28
5			649	1892	48	99.9		
6			680	1983	47.8	99.5		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by:	
Checked by:	four technology labs.
Lab manager:	

CODE Co 008-Modern-Pile-F-40-B

Sites No-1

Approved by Dr Adel Elkordi

CODE: 6008-F-29-24-8



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	02-09-24	Class of Concrete	C15 Kg/Cm ² / 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - اسوان - أبو سمبل) مع الطريق الدائري الاقليمي عند كم (650+32) بنظم خوارزيم الهندسة المتكاملة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2771-2	Element	Pile-P40

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/GM ²)	Age(Days)
4	05-08-24	2-9-2024	647	1886	42.9	89.3	78.9	28
5			638	1860	34.8	72.4		
6			628	1831	36	74.9		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by: _____
 Checked by: _____
 Lab manager: _____

four technology labs

CODE Co 008-Modern-Pile-F-41B sites No-1

Approved by Dr Adel Elkordi



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	02-09-24	Class of Concrete	C15 Kg/Cm ² / 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الالليمي عدد كم (650+32) بنظام خوازيق المند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2771-3	Element	Pile-P38

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
4	05-08-24	2-9-2024	646	1883	39.3	81.8	71.0	28
5			669	1950	34.7	72.2		
6			657	1915	28.3	58.9		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by:	
Checked by:	
Lab manager	

four
technology
labs

CODE Co 008-Modern-Pile-F-42-B

sites No-1

Approved by Dr Adel Elkordi

CODE: CO08-F-2-9-24-10



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	16-09-24	Class of Concrete	C15/ 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تقيد نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - اسوان - أبو سمبل) مع الطريق الدائري الإقليمي عدد كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2831-5	Element	Pile-P 49

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
1	19-08-24	16-9-2024	631	1840	47	97.8	98.5	28
2			634	1848	52	108.2		
3			623	1816	43	89.5		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by:
Checked by:
Lab manager

Approved by Dr Adel Elkordi

CODE: Co08-F-24-9-24-20

CODE Co 008-Modern-Pile-F-57-B

sites No-1



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	17-09-24	Class of Concrete	C15/ 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - اسوان - أبو سمبل) مع الطريق الدائري الاقليمي عند كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2831-7	Element	Pile-P 45

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
1	20-08-24	17-9-2024	641	1869	57	118.7	106.9	28
2			620	1808	46	95.8		
3			626	1825	51	106.2		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by :
Checked by :
Lab manager

Approved by Dr Adel Elkordi

CODE Co08-F-24-9-24-21

CODE Co 008-Modern-Pile-F-60-B sites No-1



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	18-09-24	Class of Concrete	C15/ 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثقيل للقطار الكهربائي السريع (6 أكتوبر - الأقصر - اسوان - أبو سمبل) مع الطريق الدائري الاقليمي عند كم (650+32) بنظم خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2831-8	Element	Pile-P 43

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
1	21-08-24	18-9-2024	633	1845	53	110.3	105.5	28
2			626	1825	49	102.0		
3			631	1840	50	104.1		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by:	
Checked by:	
Lab manager:	

Approved by Dr Adel Elkordi

CODE: CO08-F-24-9-24-22

CODE Co 008-Modern-Pile-F-60 Sites No-1



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	15-09-24	Class of Concrete	C15/ 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر -الأنصر -اسوان-ابو سمين) مع الطريق الدائري الاقليمي عدد كم (650+32) بنظم خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2831-3	Element	Pile-P 46

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
1	18-08-24	15-9-2024	656	1913	51	106.2	109.6	28
2			645	1880	52	108.2		
3			620	1808	55	114.5		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by :
Checked by :
Lab manager

Approved by Dr Adel Elkordi

CODE Co 008-Modern-Pile-F-54 sites No-1

CODE: 008-F-24 9-24-23



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	17-09-24	Class of Concrete	C15/ 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الأقليمي عدد كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2831-6	Element	Pile-P 47

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
1	20-08-24	17-9-2024	612	1784	51	106.2	108.9	28
2			638	1860	50	104.1		
3			633	1845	56	116.6		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by:	
Checked by:	
Lab manager	

Approved by Dr Adel Elkordi

CODE: CO08-F-24-9-24-24

CODE Co 008-Modern-Pile-F-59-B sites No-1



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	18-09-24	Class of Concrete	C15/ 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - اسوان - أبو سمبل) مع الطريق الدائري الإقليمي عند كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د / محمود لاشين)
Form No :	2946-1	Element	Pile-P 69

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age (Days)
1	11-09-24	18-9-2024	690	2012	29	60.4	66.6	7
2			665	1939	33	68.7		
3			675	1968	34	70.8		

Remarks

the results are temporarily accepted in 7 days as guidance but is not taken into consideration till results of 28 days

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by :
Checked by :
Lab manager

Approved by Dr. Adel Elkordi

CODE: CO08-54-9-24-29

CODE Co 008-Modern-Pile-F-77 sites No-1

COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	13-09-24	Class of Concrete	C15 Kg/Cm ² / 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - اسوان - أبو سمبل) مع الطريق الدائري الإقليمي عند كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2831-1	Element	Pile-P 50

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
1	16-08-24	13-9-2024	648	1889	39.6	82.4	82.6	28
2			644	1878	34.1	71.0		
3			646	1883	45.4	94.5		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by :
Checked by :
Lab manager

Approved by : Dr Adel Elkordi

CODE: Co 008-Modern-Pile-156-B

sites No-1

CODE: CO08-18-9-24-2



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	14-09-24	Class of Concrete	C15/ 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الاكليمي عدد كم (650+32) بنظم خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2831-2	Element	Pile-P 48

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
4	17-08-24	14-9-2024	675	1968	49	102.0	100.1	28
5			675	1968	48.6	101.2		
6			674	1965	46.6	97.0		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by :
Checked by :
Lab manager

COD: Co 008-Modern-Pile-I-55-B

sites No-1

Approved by Dr Adel Elkordi

COD: Co 008-Modern-Pile-I-55-B

HSR المنشآت الحديثة

COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	16-09-24	Class of Concrete	C150 / 200 Kg OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الأقليمي عدد كم (650+32) بنظام خوازيق المسند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د / محمود لاشين)
Form No :	2831-4	Element	Pile-P 44

Gubes No.	Casting Date	Testing Date	Weight g/m	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
1	19-08-24	16-9-2024	670	1953	44	91.6	85.3	28
2			688	2006	40	83.3		
3			700	2041	39	81.2		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

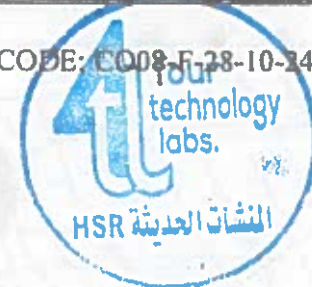
Checked QA : **Eng. Foad Foad**
Signature: **Eng. Mohamed Alsadek**
Lab manager: **Eng. Mohamed Alsadek**

sites No-1

CODE Co 008-Modern-Pile-F-58

Approved by Dr Adel Elkordi

CODE: CO08-F-28-10-24-12



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	8-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تقنية نفق تقاطع مسار الخط الثاني للقطار الكهربائي المسريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الاقليمي عند كم (650+32) بنظام خوازيق العنك المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-1 (H)

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
1	11-8-2024	8-9-2024	8263	2448	1691	766.6	700.7	28
2			8353	2475	1375	623.3		
3			8276	2452	1571	712.2		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by:	
Checked by:	4
Lab manager	four technology labs

CODE Co 008-Modern-Pile-F-48-B No-1

Approved by Dr Adel Elkordi

CODE Co 008-F-0-9-24-12



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	8-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 الكنوير - الأقصر - اسوان - أبو سمبل) مع الطريق الدائري الأقليم عد كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2832-2	Element	Pile-1 (H)

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
1	11-8-2024	8-9-2024	8339	2471	1250	566.7	653.3	28
2			8363	2478	1593	722.2		
3			8331	2468	1480	670.9		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by:	
Checked by:	
Lab manager:	

four technology labs

CODE Co 008-Modern-Pile-F-48-C sites No-1

Approved by Dr Adel Elkordi

CODE: CO08-F-9-9-24-14



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	8-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الأقليمي عند كم (650+32) بنظام خوازيق المسك المتلاصقة
Location	Bani Sweif	Consultant	شركة بيتا الهندسة (د/ محمود لاشين)
		Element	Pile-49 (H)

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
1	1-9-2024	8-9-2024	8101	2400	980	444.3	507.9	7
2			8183	2425	1354	613.8		
3			8251	2445	1027	465.6		
4			8125	2407	1196	542.2	485.2	
5			8286	2455	1057	479.2		
6			8080	2394	958	434.3		

Remarks

the results are temporarily accepted in 7days as guidance but is not taken into consideration till results of 28 days

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by :
Checked by :
Lab manager

CODE Co 008-Modern-Pile-F-70 Sites No-1

Approved by Dr Adel Elkordi

CODE: 0008-F-9-2024-13

المنشآت الحديثة HSR

COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	2-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تأجيل نفق تقاطع مسر الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الاقليمي عدد كم (650+32) بنظام خوازيق الممتد المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-42 (H)

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
1	26-8-2024	2-9-2024	8179	2423	1374	622.9	603.7	7
2			8295	2458	1395	632.4		
3			8210	2433	1226	555.8		
4			8131	2409	1234	559.4	569.4	
5			8156	2417	1194	541.3		
6			8148	2414	1340	607.5		

Remarks

the results are temporarily accepted in 7days as guidance but is not taken into consideration till results of 28 days

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by:
Checked by:
Lab manager

CODE Co 008-Modern Pile-F-65 sites No-1

Approved by Dr Adel Elkordi

CODE: CO08-F-4-9-2024-1

المنشآت الحديثة HSR

IAF

COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	4-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مدار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الأقليمي عدد كم (650+32) بنظام خوازيق السمت المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2855-1	Element	Pile-19 (H)

Cubes	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
No.								
1	28-8-2024	4-9-2024	8123	2407	1144	518.6	545.1	7
2			8032	2380	1172	531.3		
3			8213	2433	1291	585.3		
4			8156	2417	1193	540.8	534.3	
5			8233	2439	1165	528.1		
6			8032	2380	1178	534.0		

Remarks

the results are temporarily accepted in 7days as guidance but is not taken into consideration till results of 28 days

THE RESULTS IS

☒ COMPLY

☐ NOT COMPLY

Tested by:	
Checked by:	
Lab manager:	

four technology labs.

CODE Co 008-Modern-Pile-F-67

sites No-1

Approved by	Dr. Adel Elkordi
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CODE: CO08-F-4-5-24-22



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	2-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الأقليمي عند كم (650+32) بنظام خوازيق المسك المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-38 (H)

Cubes	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
No.								
1	26-8-2024	2-9-2024	8333	2469	1247	565.3	576.6	7
2			8451	2504	1335	605.2		
3			8312	2463	1234	559.4		
4			8489	2515	1312	594.8	557.8	
5			8300	2459	1148	520.4		
6			8424	2496	1231	558.1		

Remarks

the results are temporarily accepted in 7days as guidance but is not taken into consideration till results of 28 days

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by: _____
 Checked by: _____
 Lab manager: _____
 CODE Co 008-Modern-Pile-F-68 Sites No-1

Approved by: Dr. Adel Elkordi

CODE Co 008-Modern-Pile-F-68 Sites No-1



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	8-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الأقليمي عند كم (650+32) بنظام خوازيق الممتد المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-49 (H)

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
1	1-9-2024	8-9-2024	8101	2400	980	444.3	507.9	7
2			8183	2425	1354	613.8		
3			8251	2445	1027	465.6		
4			8125	2407	1196	542.2	485.2	
5			8286	2455	1057	479.2		
6			8080	2394	958	434.3		

Remarks

the results are temporarily accepted in 7days as guidance but is not taken into consideration till results of 28 days

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by: _____
 Checked by: _____
 Lab manager: _____

4t four
technology
labs.

CODE Co 008-Modern-Pile-F-70 sites No-1

Approved by Dr Adel Elkordi

CODE: CO08-F-9-9-24-13



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	2-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعادلات الحديثة	Project	تأجيل نفق تقاطع مسر الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - إيو سمبل) مع الطريق الدائري الاقليمي عند كم (650+32) بنظم خوازيق المنفذ المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-42 (H)

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
1	26-8-2024	2-9-2024	8179	2423	1374	622.9	603.7	7
2			8295	2458	1395	632.4		
3			8210	2433	1226	555.8		
4			8131	2409	1234	559.4	569.4	
5			8156	2417	1194	541.3		
6			8148	2414	1340	607.5		

Remarks

the results are temporarily accepted in 7days as guidance but is not taken into consideration till results of 28 days

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by
Checked by
Lab manager

CODE Co 008-Modern Pile F-65 sites No-1

Approved by Dr. Adel Elkordi

CODE: CO08-F-65-24-1



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	4-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي تسريع (6 أكتوبر - الأقصر - اسوان - أبو سمبل) مع الطريق الدائري الأقليمي عند كم (650+32) بنظام خوازيق المسد المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د / محمود لاشين)
Form No :	2855-1	Element	Pile-19 (H)

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days) .
1	28-8-2024	4-9-2024	8123	2407	1144	518.6	545.1	7
2			8032	2380	1172	531.3		
3			8213	2433	1291	585.3		
4			8156	2417	1193	540.8	534.3	
5			8233	2439	1165	528.1		
6			8032	2380	1178	534.0		

Remarks

the results are temporarily accepted in 7days as guidance but is not taken into consideration till results of 28 days

THE RESULTS IS

☒ COMPLY

☐ NOT COMPLY

Tested by:	
Checked by:	four technology labs.
Lab manager:	four technology labs.

CODE Co 008-Modern-Pile-F-67 sites No-1

Approved by Dr Adel Elkordi

CODE: CO08-F-4-9-24-22



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	18-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الاقليمي عدد كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-46 (H)

Cubes	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age('Days)
No.								
1	11-9-2024	18-9-2024	8200	2430	1256	569.4	510.3	7
2			8380	2483	948	429.8		
3			8279	2453	1173	531.8		
4			8282	2454	1247	565.3	496.6	
5			8327	2467	1132	513.2		
6			8405	2490	907	411.2		

Remarks

the results are temporarily accepted in 7days as guidance but is not taken into consideration till results of 28 days

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by: 
Checked by: 
Lab manager: 

Approved by Dr Adel Elkordi

CODE Co 008-Modern-Pile-E-73

sites No-1

CODE: CO08-F-24-9-24-16



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	17-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - اسوان - أبو سمبل) مع الطريق الدائري لاقليمي عمد كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-50 (H)

Cubes	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	82132	Average (KG/CM2)	Age(Days)
No.								
1	10-9-2024	17-9-2024	8240	2441	1246	564.9	487.0	7
2			8213	2433	975	442.0		
3			8319	2465	1002	454.2		
4			8341	2471	1018	461.5	493.4	
5			8432	2498	1257	569.8		
6			8125	2407	990	448.8		

Remarks

the results are temporarily accepted in 7days as guidance but is not taken into consideration till results of 28 days

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by:	
Checked by:	
Lab manager	

Approved by Dr Adel Elkordi

CODE: CO08-F-24-9-24-17

CODE Co 008-Modern-Pile-F-74

sites No-1



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	16-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الأقليم عدد كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-48 (H)

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	82132	Average (KG/CM ²)	Age (Days)
1	9-9-2024	16-9-2024	8261	2448	924	418.9	440.8	7
2			8182	2424	1001	453.8		
3			8250	2444	992	449.7		
4			8357	2476	1078	488.7	498.4	
5			8295	2458	1230	557.6		
6			8332	2469	990	448.8		

Remarks

The results are temporarily accepted in 7 days as guidance but is not taken into consideration till results of 28 days

THE RESULTS IS



COMPLY



NOT COMPLY

Tested by: _____
Checked by: _____
Lab manager: _____

Approved by Dr Adel Elkordi

CODE Co 008-Modern-Pile-F-75

sites No-1

CODE: CO08-F-24-9-24-18



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	15-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأتصر - أسوان - أبو سمبل) مع الطريق لدائري الإقليمي عند كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د / محمود لاشين)
		Element	Pile-52 (H)

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	82132	Average (KG/CM2)	Age(Days)
1	8-9-2024	15-9-2024	8370	2480	927	420.2	515.9	7
2			8158	2417	1256	569.4		
3			8407	2491	1231	558.1		
4			8255	2446	1156	524.1	568.5	
5			8216	2434	1409	638.7		
6			8320	2465	1197	542.6		

Remarks

the results are temporarily accepted in 7days as guidance but is not taken into consideration till results of 28 days

THE RESULTS IS

☒ COMPLY

☐ NOT COMPLY

Tested by:
Checked by:
Lab manager

Approved by Dr. Adel Elkordi

CODE: CO08-F-24-924-19

CODE Co 008-Modern-Pile-F-76

Sites No-1



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	9-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 الكوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الأقليمي عند كم (650+32) بنظام خوازيق الممتد المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-47 (H)

Cubes	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
No.								
1	2-9-2024	9-9-2024	8374	2481	1327	601.6	561.5	7
2			8197	2429	1393	631.5		
3			8219	2435	996	451.5		
4			8194	2428	1109	502.7	474.3	
5			8217	2435	997	452.0		
6			8172	2421	1033	468.3		

Remarks

the results are temporarily accepted in 7days as guidance but is not taken into consideration till results of 28 days

THE RESULTS IS



COMPLY



NOT COMPLY

Tested by:
Checked by:
Lab manager

Approved by Dr Adel Elkordi

CODE Co 008-Modern-Pile-F-72 sites No-1

CODE: CO08-F-11-9-24-2



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	25-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي أسريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الإقليمي عند كم (650+32) بنظم خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2855-1	Element	Pile-19 (H)

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
1	28-8-2024	25-9-2024	8224	2437	1396	632.9	635.9	28
2			8445	2502	1446	655.5		
3			8536	2529	1366	619.3		
4			8340	2471	1376	623.8	643.9	
5			8337	2470	1450	657.3		
6			8328	2468	1435	650.5		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by :
Checked by :
Lab manager

Approved By Dr. Adel Elkordi

CODE Co 003-Modern-Pile-567-B

CODE: CO03-F-26-9-24-58

site 1



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	10-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع معمار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الإقليمي عمد كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-39 (H)

Cubes	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
No.								
1	13-8-2024	10-9-2024	8383	2484	1218	552.2	664.3	28
2			8359	2477	1536	696.3		
3			8290	2456	1642	744.4		
4			8235	2440	1687	764.8	656.0	
5			8366	2479	1440	652.8		
6			8479	2512	1214	550.3		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested-by:
Checked by:
Lab manager

Approved by Dr Adel Elkordi

CODE: Co 008-Modern-Pile-F-50-B
SIBS No-1

CODE: Co08-F-16-9-24-11



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	12-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو ميمبيل) مع الطريق الدائري الاقليمي عمد كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-44 (H)

Cubes	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
No.								
1	15-8-2024	12-9-2024	8430	2498	1560	707.2	698.6	28
2			8324	2466	1571	712.2		
3			8371	2480	1492	676.4		
4			8414	2493	1511	685.0	726.1	
5			8293	2457	1658	751.6		
6			8451	2504	1636	741.7		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS



COMPLY



NOT COMPLY

Tested by:
Checked by:
Lab manager

Approved by Dr Adel Elkordi

CODE: Co 008-Modern-Pile-F-52

sites No-1

CODE: CO08-F-16-9-24-12



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	11-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الاقليمي عمد كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-41 (H)

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
1	14-8-2024	11-9-2024	8360	2477	1411	639.7	613.5	28
2			8311	2463	1095	496.4		
3			8370	2480	1554	704.5		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by:
Checked by:
Lab manager

Approved by Dr Adel Elkordi

CODE: Co 008-Modem-Pile-I-53-B sites No-1

CODE: CO08-I-16-9-24-13



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	21-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر -الانصر -اسوان-ابو سمبل) مع الطريق الدائري الاقليمي عدد كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-40 (H)

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
1	24-8-2024	21-9-2024	8348	2473	1462	662.8	657.9	28
2			8447	2503	1570	711.7		
3			8421	2495	1322	599.3		
4			8380	2483	1400	634.7	653.6	
5			8297	2458	1365	618.8		
6			8395	2487	1560	707.2		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by:	
Checked by:	
Lab manager	

Approved by Dr Adel Elkordi

CODE: CO08-F-24-9-24-15

CODE Co 008-Modern-Pile-F-52-B

sites No-1



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	9-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي المسريع (6 أكتوبر - الأقصر - اسوان - أبو سمبل) مع الطريق الدائري الأقليمي عدد كم (650+32) بنظام شوازيق المسد المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-43 (H)

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
1	12-8-2024	9-9-2024	8474	2511	1504	681.8	684.5	28
2			8435	2499	1477	669.6		
3			8421	2495	1549	702.2		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by :
Checked by :
Lab manager :
four
technology
labs.

Approved by Dr Adel Elkordi

CODE: CO08-F-11-9-24-3

CODE Co 008-Modern-Pile-F-49-B

sites No-1



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	9-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر -الانصر -اسوان-ابو سمبل) مع الطريق الدائري الاقليمي عند كم (650+32) بنظام خوازيق المسند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
Form No :	2832-3	Element	Pile-43 (H)

Cubes No.	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
1	12-8-2024	9-9-2024	8589	2545	937	424.8	474.2	28
2			8478	2512	880	398.9		
3			8583	2543	1321	598.9		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Tested by:	
Checked by:	
Lab manager	

four technology labs.

CODE Co 008-Modern-Pile-F-49-Sites No-1

Approved by Dr Adel Elkordi

CODE: CO08-F-11-9-24-4



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	23-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الإقليمي عدد كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-38 (H)

Cubes	Casting Date	Testing Date	Weight-gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
No.								
1	26-8-2024	23-9-2024	8184	2425	1321	598.9	619.3	28
2			8227	2438	1391	630.6		
3			8240	2441	1386	628.3		
4			8403	2490	1377	624.2	593.9	
5			8128	2408	1472	667.3		
6			8357	2476	1081	490.1		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Checked by QA : Eng. Yara Fouaad
Signature:
Lab manager: Eng. Mohammed Elsadek

Approved by Dr Adel Elkordi

CODE: CO08-F-23-10-24-29

CODE Co 008-Modern-Pile-F-68



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	25-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الاقليمي عدد كم (32+650) بنظام خوارزيم السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-51 (H)

Cubes	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
No.								
1	28-8-2024	25-9-2024	8295	2458	1409	638.7	588.7	28
2			8341	2471	1256	569.4		
3			8363	2478	1231	558.1		
4			8281	2454	1247	565.3	633.9	
5			8420	2495	1570	711.7		
6			8391	2486	1378	624.7		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Checked by QA:	Eng: Yara Fouaad
Signature:	
Lab manager	Eng: Mohammed Elsadek

Approved by Dr Adel Elkordi

CODE: CO08-F-23-10-24-30

CODE Co 008-Modern-Pile-F-69



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	23-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نلق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر -الاقصر -اسوان-ابو سمبل) مع الطريق الدائري الاقليمي عدد كم (650+32) بنظم خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-42 (H)

Cubes	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
No.								
1	26-8-2024	23-9-2024	8190	2427	1224	554.9	614.0	28
2			8218	2435	1504	681.8		
3			8118	2405	1335	605.2		
4			8335	2470	1450	657.3	620.9	
5			8295	2458	1284	582.1		
6			8235	2440	1375	623.3		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Checked QA:	Eng:yare Fouaad
Signature:	
Lab manager	Eng:Mohammed Alsadek

Approved by Dr Adel Elkordi

CODE: CO08-F-23-10-24-31

CODE Co 008-Modern-Pile-F-70

Sites No-1



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	29-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سمبل) مع الطريق الدائري الاقليمي عدد كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-49 (H)

Cubes	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
No.								
1	1-9-2024	29-9-2024	8269	2450	1331	603.4	643.0	28
2			8235	2440	1513	685.9		
3			8251	2445	1411	639.7		
4			8341	2471	1214	550.3	575.0	
5			8425	2496	1340	607.5		
6			8338	2471	1251	567.1		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Checked QA:	Eng: yare Fouaad
Signature:	
Lab manager	Eng: Mohammed Alsadek

Approved by Dr Adel Elkordi

CODE: CO08-F-23-10-24-34

CODE Co 008-Modern-Pile-F-70



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	30-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - أسوان - أبو سبيل) مع الطريق الدائري الأقليمي عند كم (650+32) بنظام خوازيق السند المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-47 (H)

Cubes	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m3	Load KN	Compressive strength cube (KG/CM2)	Average (KG/CM2)	Age(Days)
No.								
1	2-9-2024	30-9-2024	8285	2455	1484	672.7	641.6	28
2			8371	2480	1284	582.1		
3			8224	2437	1478	670.0		
4			8300	2459	1380	625.6	627.1	
5			8273	2451	1298	588.4		
6			8312	2463	1472	667.3		

Remarks

The Results Test For Compressive Strength After 28 days Comply With The criteria of strength as per BS EN 206.

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

Checked QA:	Eng: yare Fouaad
Signature:	
Lab manager:	Eng: Mohammed Alsadek

Approved by Dr Adel Elkordi

CODE: CO08-F-23-10-24-35

CODE Co 008-Modern-Pile-F-72



COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS EN-12390-3

Date	4-9-2024	Class of Concrete	C400/450 OPC
Client	المنشآت و المعدات الحديثة	Project	تنفيذ نفق تقاطع مسار الخط الثاني للقطار الكهربائي السريع (6 أكتوبر - الأقصر - إسماعيل - أبو سمبل) مع الطريق الدائري الإقليمي عند كم (650+32) بنظم خوازيق المسد المتلاصقة
Location	Bani Sweif	Consultant	شركة بيت الهندسة (د/ محمود لاشين)
		Element	Pile-51 (H)

Cubes	Casting Date	Testing Date	Weight gm	Unit Weight Kg/m ³	Load KN	Compressive strength cube (KG/CM ²)	Average (KG/CM ²)	Age(Days)
No.								
1	28-8-2024	4-9-2024	8032	2380	1063	481.9	551.7	7
2			8320	2465	1289	584.3		
3			8226	2437	1299	588.9		
4			8041	2383	1090	494.1	565.0	
5			8263	2448	1370	621.1		
6			8182	2424	1279	579.8		

Remarks

the results are temporarily accepted in 7days as guidance but is not taken into consideration till results of 28 days

THE RESULTS IS ☒ COMPLY ☐ NOT COMPLY

tested by	four technology labs.
checked by	
lab manager	

sites No-1

CODE Co-008-Modern-Pile-F-69

Approved by Dr Adel Elkordi

CODE: CO08-F-8-9-24-3

