الهيئة العامة
للطرق و الكباري
(GARBLT)

محضر استلام موقع

مشروع:أعمال الجسر الترابى لمسار القطار الكهربائى السريع الخط الأول (العين السخنة - مطروح) قطاع (فوكه / مطروح) لتنفيذ المسافة من الكم 507,000 إلى الكم 509,000 بطول 2 كم اتجاه استكمال برج العرب

تنفيذ: شركة ايجى كونتراك – زكريا جابر قلدس رشيد

إشراف : المنطقة الخامسة – منطقة غرب الدلتا

طبقاً للعقد رقم (2024/2023/413) بتاريخ 2023/09/19

إنه في يوم الاحد الموافق 2024/9/1 اجتمع كل من:-

1- السيد المهندس / محمد حسني فياض — مدير عام المشروعات - الهيئة العامة للطرق والكباري
2- السيد المهندس / إبراهيم عبد الله الحناوي — مهندس العملية - الهيئة العامة للطرق والكباري
3- السيد المهندس / محمد محمد احمد — مدير المشروع - شركة ايجى كونتراك

وذلك للمرور على مسار العملية المذكورة عاليه لاستلام الموقع :-

وقد تبين أن الموقع خالياً من العوائق الظاهرية ويسمح بالبدء في التنفيذ وبناء عليه يعتبر تاريخ 2024/9/1 هو تاريخ استلام الموقع وبدء الأعمال بالعملية

واقفل المحضر على ذلك ووقع الحضور

التوقيعات

3-
2-
1-

رئيس الإدارة المركزية
منطقة غرب الدلتا
الإسكندرية - مرسى مطروح
عميد مهندس /
"هانى محمد محمود طه"

الهيئة العامة
للطـرق والكبـاري

قائمة الكميات الواردة بالمستخلص جارى 1

مشروع : القطار الكهربائى السريع (العين السخنة -العاصمة الادارية -العلمين -مطروح) قطاع فوكة - مطروح فى المسافة من الكم 507+000 الى الكم 509+000 بطول 2 كيلو متر اتجاه استكمال برج العرب

رقم البند و بيانه : (2-1-5) أعمال توريد وصب خرسانة عادية سمك 15 سم لحماية الأكتاف والميول الجانبية
الكميات المنفذة خلال الفترة ابتداء من 22/03/2024

تـــنفيـــذ :شركة إيجى كونتراك -زكريا جابر قلدس رشيد

مقدار العمل السابق : 0.00 م2

بيان الاعمال	الكمية	
الكميات طبقاً لقوائم الكميات	16,010.77	
اجمالي الكميات خلال فترة المستخلص الحالية (م^2)		16010.77
الاجمالـي الكلـي (م^2)		16,010.77

مهندس الشركة	مهندس الإستشاري (xyz)	مدير المشروع الإستشاري	مهندس الهيئة العامة للطرق والكباري
م / محمد محمد احمد	م / محمد شهاب خليل	مكتب د / خالد قنديل	م / إبراهيم عبدالله الحناوي
		م / خالد فوزي محمد	

الهيئة العامة
للطـرق والكبـاري

قائمة الكميات الواردة بالمستخلص جارى 1

مشروع : القطار الكهربائى السريع (العين السخنة -العاصمة الادارية -العلمين -مطروح) قطاع فوكة - مطروح فى المسافة من الكم 507+000 الى الكم 509+000 بطول 2 كيلو متر اتجاه استكمال برج العرب

رقم البند و بيانه : (5-1-1) أعمال توريد وصب خرسانة عادية سمك 15 سم لحماية الأكتاف والميول الجانبية
الكميات المنفذة خلال شهر سبتمبر 2023

تـــنفيـــذ :شركة إيجى كونتراك -زكريا جابر قلدس رشيد

مقدار العمل السابق : 0.00 م2

بيان الاعمال	الكمية
الكميات طبقاً لقوائم الكميات	18,295.90
اجمالي الكميات خلال فترة المستخلص الحالية (م^2)	18295.90
الاجمالـــي الكلـــي (م^2)	18,295.90

مهندس الشركة	مهندس الإستشاري (xyz)	مدير المشروع الإستشاري	مهندس الهيئة العامة للطرق والكباري
م / محمد محمد احمد	م / محمد شهاب خليل	مكتب د / خالد قنديل م / خالد فوزي محمد	م / إبراهيم عبدالله الحناوي

الهيئة العامة
للطرق و الكبارى
(GARB)

المنطقة الخامسة – (غرب الدلتا)

السيد المهندس / رئيس قطاع التنفيذ والمناطق

تحية طيبة.. وبعد،،

بالإحالة إلى مشروع القطار الكهربائى فائق السرعة (فوكة - مطروح) (القطاع السابع)
نتشرف بأن نرفق لسيادتكم طيه المقايسات المعدله للقطاعات الأتية:

مسلسل	اسم الشركة	بداية القطاع (كم)	نهاية القطاع (كم)	اتجـــــاه
1	شركة ايجى كونتراك (لصاحبها زكريا جابر قلدس)	507+000	509+000	استكمال برج العرب

برجاء من سيادتكم التفضل بالأحاطه والتوجيه بالازم

وتفضلوا بقبول فائق الأحترام والتقدير،،

رئيس الإدارة المركزية

المنطقة الخامسة- غرب الدلتا

عميد مهندس/

"هاني محمد محمود طه "

EG CONTRACK
Contracting & Real estate Investment

ENGINEERING CONSULTING OFFICE
المكتب الاستشاري الهندسي
أ.د. خالد قنديل

القطار الكهربائي السريع
Electric Express Train
SYSTRA SHAKER

الهيئة العامة
للطرق والكباري

جمهورية مصر العربية
وزارة النقل
Arab Republic of Egypt

مشروع القطار الكهربائى السريع

المقايسة المعدلة لبنود الاعمال طبقا للمفاوضة بتاريخ (18-12-2023) للقطاع السابع (فوكة- مطروح) - شركة ايجي كونتراك - اتجاه استكمال برج العرب

القطاع من المحطة 000+507 إلى المحطة 000+509 بطول 2 ك مرحلة تشكيل الجسور وطبقات التأسيس وخرسانات الميول

رقم البند	بيان الأعمال	الوحدة	الكمية	الفئة	الاجمالى
5	البلاطات الخرسانية				
5-1	بالمتر المسطح اعمال توريد وصب خرسانة عادية سمك 15سم لحماية الاكتاف والميول الجانبية تتكون من 0.8 م3 سن دولوميت متدرج + 0.4 م3 رمل حرش والاضافات طبقا لتعليمات الاستشاري (فيبر+سيكا) علي أن يكون السن نظيف ومغسول والرمل خالي من الشوائب والطفلة والأملاح والمواد الغريبة مع وضع فوم (بالفاصل) بسمك 2سم (طبقا لتعليمات الاستشاري) والبند يشمل تجهيز واستعدال مناسيب التربة الطبيعية أسفل البلاطة للوصول إلي المناسيب التصميميه علي أن تحقق الخرسانة إجهاد لا يقل عن 250 كجم / سم2 وتشطيب السطح وملء الفواصل بالبيتومين المرمل والتنفيذ طبقا لأصول الصناعة والرسومات التفصيلية المعتمدة والبند بجميع مشتملاته طبقاً لمواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف .	م^2			
5-1-1	عن شهر سبتمبر 2023 طبقا للمفاوضة	م^2	18,295.900	463.00	8,471,002
5-1-2	عن السعرابتدا من 22/03/2024 طبقا للمفاوضة	م^2	16,010.772	464.00	7,428,998
	الاجمالى				15,900,000
	(خمسة عشر مليون وتسعمائة الف جنيها فقط لاغير)				

مدير المشروع المقاول
م / محمد محمد احمد

مدير المشروع الاستشاري مكتب د / خالد قنديل
م / خالد فوزى محمد

مدير المشروع المالك
م / ابراهيم عبدالله الحناوى

مدير عام المشروعات
م / محمد حسنى فياض

يعتمد
رئيس الادارة المركزية
منطقة غرب الدلتا
الاسكندرية - مرسى مطروح
عميد مهندس /
" هانى محمد محمود طه "

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

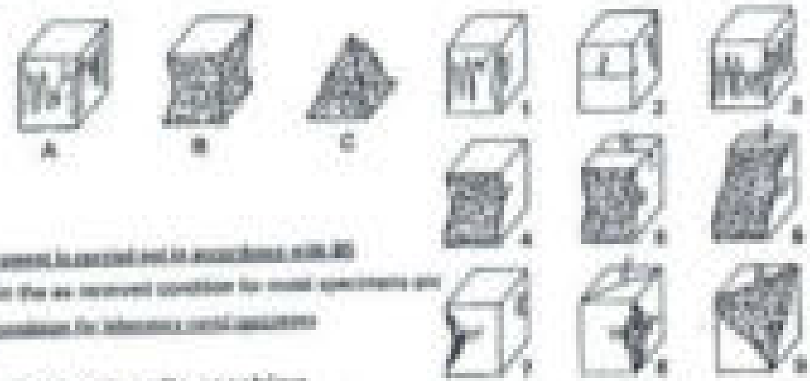
PROJECT	مشروع القطار السريع	STATION [illegible]	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
Name of item		خرسانة عادية	
DATE OF CASTING	12-Dec-2023	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Soak in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	19-Dec-23	7	150	7942	2.35	673.0	304.9	305.2
2			150	7944	2.35	674.0	305.3	
3			150	7948	2.35	674.0	305.3	

122 1	السيب

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for [illegible] specimens [illegible] in the saturated condition for [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. mohamed	Ahmed Adel	AMR ATEF
M. mohamed	Ahmed Adel	

AL Sakr
معمل الصقر 2
الخرسانة الجاهزة

Al Sakr
شركة الصاكر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Concrete Category/Type	310	R.C - OPC
Name of item					
DATE OF CASTING	12-Dec-2023		SPECIFIED STRENGTH	350	Kg/cm²
PO/BOQ QUANTITY		m³	NO. OF CUBES MADE	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING	Soft in water	

S. Of cu	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	9-Jun-24	28	150	8091	2.48	773.0	349.3	364.3
2			150	7958	2.36	848.0	364.1	
3			150	7971	2.46	793.0	379.3	

145.7 النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory

Unsatisfactory

Remarks :

Strength assessment in accordance with BS

1881 Part 116 is the as received condition for moist specimens and

is also required conditions for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.8N/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. mohamed	Abdel Aziz	
M. mohamed	Abdel Aziz	

Al Sakr
الصقر الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Typ:	350 KG - OPC
STATION :	ST:507+840-507+825(L-S) / ST:507+970-507+927(L-D)		
DATE OF CASTING	13-Dec-2023	PREDICTED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	20-Dec-23	7	150	8213	2.43	736.0	333.4	291.9
2			150	8066	2.39	588.0	266.4	
3			150	8165	2.42	609.0	275.9	

116.8	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory

Remarks :

Density determined is carried out in accordance with BS 1881 Part 114 in the as received condition for most specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mohamed	Ahmed Adel	AMR ATEF
M. Mohamed	Ahmed Adel	

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

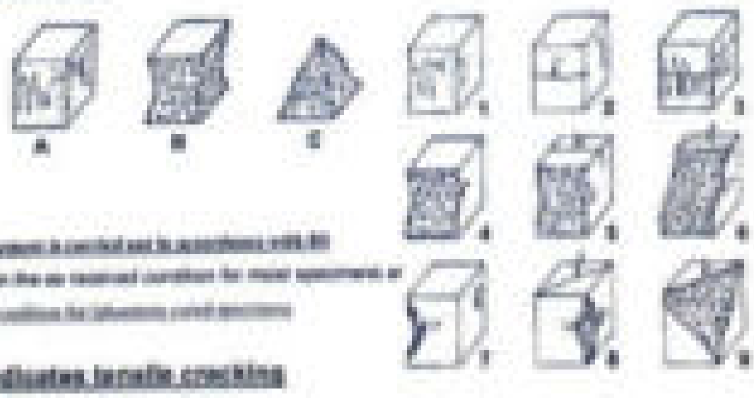
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	ST:507+840-507+825(L-A-B1) / ST:507+978-507+925(L-B-B1)		
DATE OF CASTING	13-Dec-2023	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Salt in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/cm³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	20-Dec-23	7	150	7858	2.33	647.0	293.3	278.4
2			150	8249	2.44	588.0	266.4	
3			150	7909	2.34	609.0	275.9	

111.4	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Density assessment is carried out in accordance with BS 1881:Part 114 in the as received condition for most specimens or in the saturated condition for [illegible] specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2kN/S to 0.4 kN/S or [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mohamed	Ahmed Adel	AMR ATEF
M. Mohamed	Ahmed Adel	[signature]

Al Sakr للعرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	ST:507+860-507+825(L-S) / ST:507+970-507+927(L-D)		
DATE OF CASTING	13-Dec-2023	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	10-Jan-24	28	150	8122	2.41	771.0	349.3	364.2
2			150	8052	2.39	848.0	384.1	
3			150	8084	2.40	793.0	359.2	

145.7	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for [illegible] specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M.Mohamed	Ahmed Adel	AMR ATEF
M-Mohamed	Ahmed Adel	[signature]

Al Sakr للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	350 KG - OPC
STATION :	ST-507+868-507+825(L-S) / ST-507+876-507+927(L-D)			
DATE OF CASTING	13-Dec-2023		SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/cm³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	10-Jun-24	28	150	8172	2.41	746.0	337.9	325.3
2			150	8092	2.39	695.0	314.8	
3			150	8084	2.40	713.0	323.0	

130.1	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881:Part 114 in the as received condition for most specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M.Mohamed	Ahmed Adel	AMR ATEF
M.Mohamed	Ahmed Adel	[signature]

Al Sakr

شركة الصقر للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983 AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG/m³
STATION	500+423.507+904(L.A-B1) ; 507+423.507+783 (L.A-B1)		
DATE OF CASTING	14-Dec-2023	REQUIRED STRENGTH	250 kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE 6
CONCRETE SLUMP		Cm	
TARGET SLUMP		Cm	TYPE OF CURING: Soft in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength kg/cm²	Average kg/cm²
1	21-Dec-23	7	150	7881	2.34	689.8	312.3	293.2
2			150	7927	2.35	612.8	2??.2	
3			150	8086	2.40	661.8	299.4	

117.3	النسبة

MODES OF FAILURE AS PER BS 1881 - Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks:

Visually assessment is carried out in accordance with BS 1881 Part 116 in the as received condition for most specimens & in the assumed condition for unsatisfactory cube specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2 N/mm²/s to 0.4 N/mm²/s

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
		AMR ATEF
M. Mohamed	Ahmed Adel	
M. Mohamed	Ahmed Adel	[signature]

Al Sakr
الصقر للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type : 310	KG - OPC
STATION :	808+023-807+984(L-S-B1) / 807+413-807+783 (L-S-B1)		
		REQUIRED STRENGTH : 250	Kg/cm²
DATE OF CASTING	14-Dec-2023	NO. OF CUBES MADE :	6
POURED QUANTITY	m³		
CONCRETE SLUMP	Cm	TYPE OF CURING :	Sub in water
TARGET SLUMP	Cm		

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/cm³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	21-Dec-23	7	150	7901	2.34	540.0	244.6	279.4
2			150	7927	2.35	630.0	285.4	
3			150	8080	2.40	680.0	308.0	

111.7	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

Results [illegible] in accordance with BS 1881 Part 116 [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. Mohamed	Ahmed Adel	AMR ATEF
M. Mohamed	Ahmed Adel	

Al Sakr للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

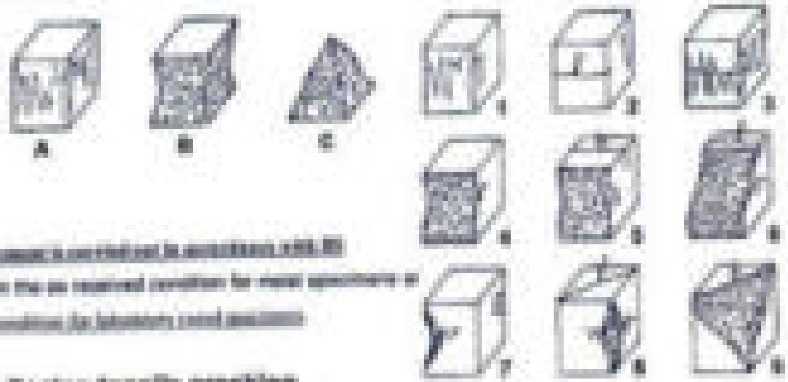
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 350	KG - OPC
STATION :	508+523-507+004(L-R) / 507+412-507+703 (L-R)		
DATE OF CASTING	14-Dec-2023	REQUIRED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/cm³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	11-Jan-24	28	150	8067	2.39	782.0	354.2	363.6
2			150	8033	2.38	789.0	357.4	
3			150	8019	2.38	837.0	379.2	

145.4	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for equal specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
H. Mahmoud	Ahmed Adel	AMR ATEF
H. Mahmoud	Ahmed Adel	[signature]

Al Sakr للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

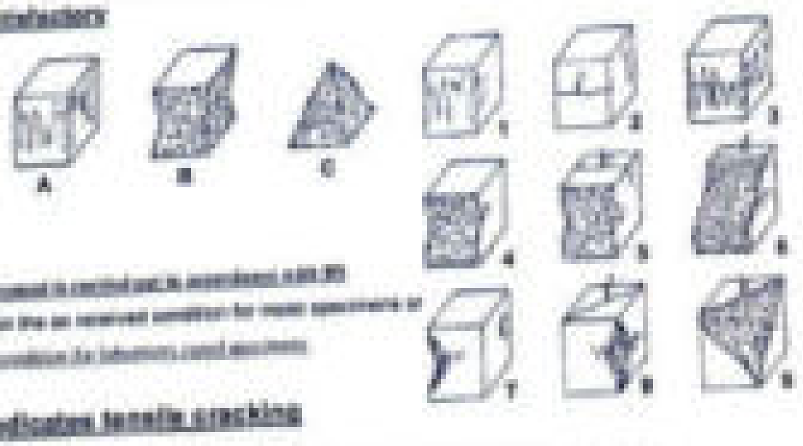
Test Standard BS 1881 - Part 116/1983AMD 6097/1989, 6720/1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 350	KG - OPC
STATION :	508+525-507+984(L-S) / 507+822-507+783 (L-S)		
DATE OF CASTING	14-Dec-2023	SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		Sub in water
TARGET SLUMP	Cm	TYPE OF CURING :	

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/cm³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	11-Jan-24	28	150	8067	2.39	924.9	420.4	413.0
2			150	8053	2.38	880.8	398.6	
3			150	8019	2.38	927.8	419.9	

165.2	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for report specimens or in the saturated condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	

5

7

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116/1983AMD 6097/1989, 6728/1991

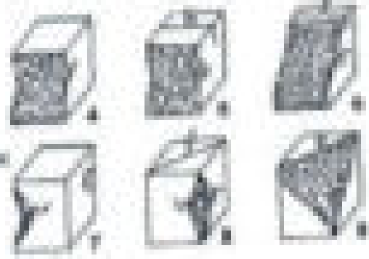
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	508+026.0 - 508+029.0 (L-5) B1		
DATE OF CASTING	18-Dec-2023	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	15-Dec-23	7	150	7849	2.32	615.0	278.4	282.1
2			150	8079	2.39	622.0	281.8	
3			150	8076	2.39	631.0	285.8	

112.8	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881/Part 114 in the air received condition for report specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mohmed	Ahmed Adel	
m. mohmed	Ahmed Adel	[signature, stamp]

Al Sakr
الشركة الجامدة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

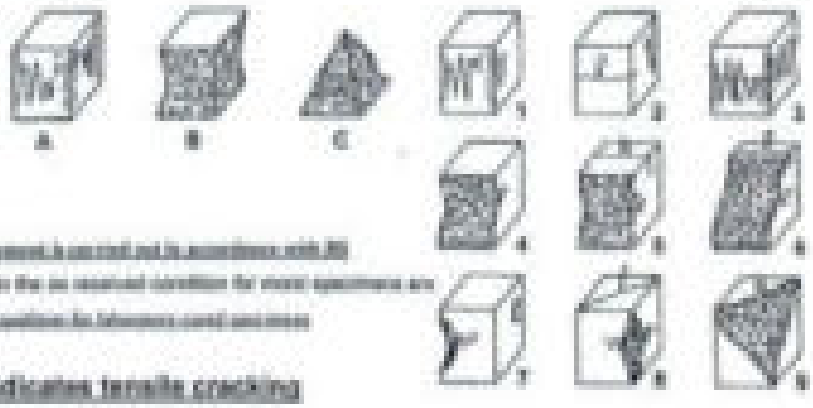
Test Standard BS 1881 – Part 116:1983AMD 6097:1989, 6728:1991

PROJECT	مشروع القطار السريع		STATION		
Customar	EGY CONTRAC		Cement Content/Type	310	KG - OPC
STATION	508+800-507+981(L-D) / 507+837-507+792 (L-D)				
DATE OF CASTING	16-Dec-2023		FLEXURE STRENGTH :	250	Kg/cm²
PUMPED QUANTITY		m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water	

S. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	23-Dec-23	7	150	7938	2.35	585.0	265.0	297.3
2			150	8049	2.38	693.0	313.9	
3			150	8041	2.38	691.0	313.0	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 — 118.9 — النسبة

Satisfactory — Unsatisfactory



Remarks:

Density assessment is carried out in accordance with BS

1881 Part 114 is the as received condition for most specimens are

is the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.5kN/S to 9.0 kN/S or (1.8t/M)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMIR ATEF

AL Sakr

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6897:1989, 6728:1991

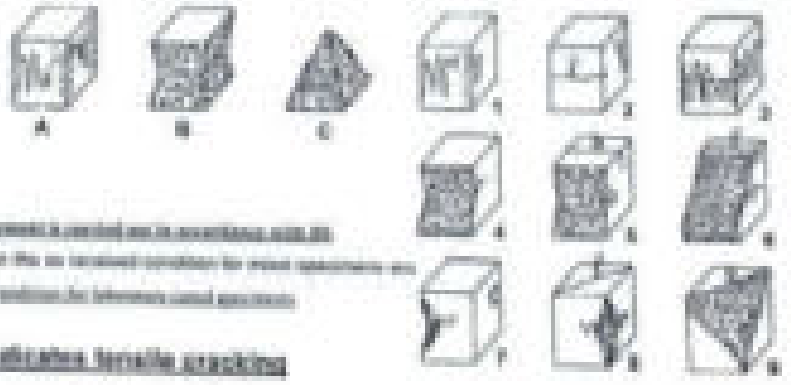
PROJECT	مشروع القطر المركزي	STATION	
Customer	EGY CONTRAC	Cement Content/Type : 310 KG - OPC	
STATION	508+024.0 - 508+629.0 (L-S) B1		
DATE OF CASTING	16-Dec-2023	REQUIRED STRENGTH : 350 Kg/cm²	
REQUIRED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	CURE OF CUBES : Sub in water	

S. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	13-Jan-24	28	150	7938	2.35	846.6	383.2	393.6
2			150	8049	2.38	893.0	404.8	
3			150	8043	2.38	866.8	392.3	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 157.3 | النسبه

Satisfactory

Unsatisfactory



Remarks :

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.36MN to 9.0 kN/S or (0.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m.mahmoud	Ahmed Adel	AMR aTEF
m.mahmoud	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	335 KG / OPC
STATION	500+820-507+9811 -31 / 507+827-507+792 (1-31)	CHARACTERISTIC STRENGTH	250 Kg/cm²
DATE OF CASTING	16-Dec-2023	NO. OF CUBES MADE	6
POURED QUANTITY	m³		
CONCRETE SLUMP	Cm	TYPE OF CURING	Sub in water
TARGET SLUMP	Cm		

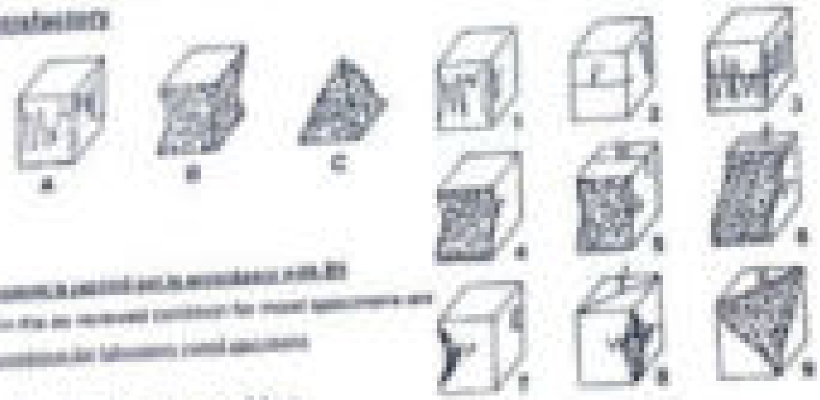
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	13-Jan-24	28	150	7957	2.36	888.0	402.3	403.8
2			150	7972	2.36	908.0	411.3	
3			150	7998	2.37	878.0	397.7	

161.5	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory

Unsatisfactory



Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2kN/S to 9.6 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. mohamed	Ahmed Adel	
M. mohamed	Ahmed Adel	

(١٥) (١١)

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

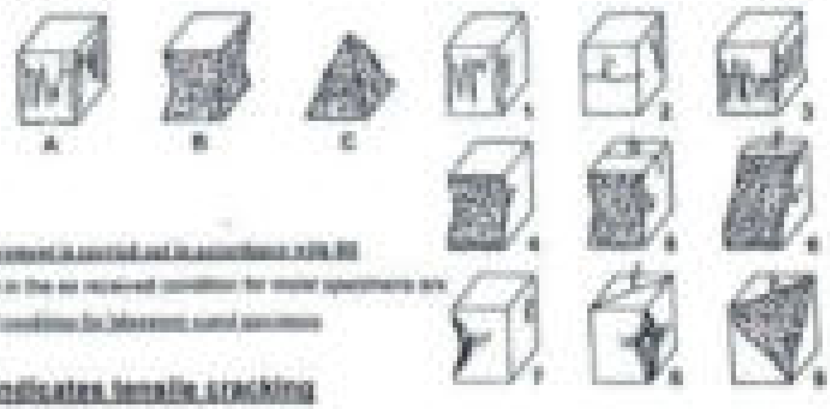
PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	310 KG - OPC
STATION :	508+026-508+023(L-D) / 507+789-507+768 (L-D)			
DATE OF CASTING	17-Dec-2023		SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	24-Dec-23	7	150	7935	2.35	647.0	293.1	278.4
2			150	8245	2.44	588.8	266.4	
3			150	7905	2.34	609.0	275.9	

111.4	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks:

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for stored specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Abd	A. Mahm
M. Mahmoud	Ahmed Abd	

للخرسانة الجاهزة

Al Sakr
الصقر للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

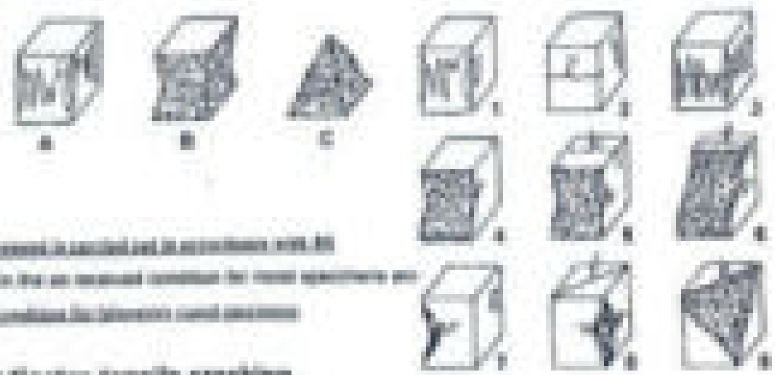
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	500+324-500+32(5(L-D) / 507+709-507+708 (L-D)		
DATE OF CASTING	17-Dec-2023	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Soak in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	14-Jan-24	28	150	7935	2.35	634.0	287.2	302.5
2			150	8245	2.44	687.0	311.2	
3			150	7909	2.34	682.0	308.9	

121.0	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory



Remarks:

Density measurement is carried out in accordance with BS 1881-Part 114 in the as received condition for cored specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
m. mahmoud	Ahmed Adel	
m. mahmoud	Ahmed Adel	

معمل الصقر للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

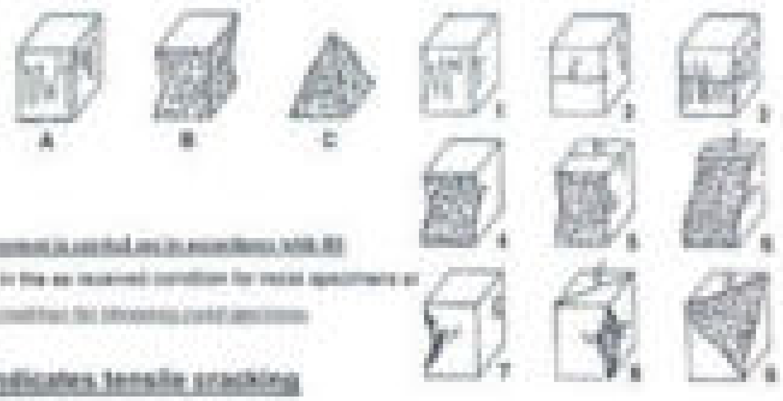
PROJECT	مشروع القطار السريع		STATION	
Customer	SGY CONTRAC		Cement Content/Typ. 350	KG - OPC
STATION :	508+074-508+080(L-S-B1) / 507+681-507+780 (L-S-B1)/ 508+035-508+044(L-S-B1)			
DATE OF CASTING	19-Dec-2023		SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING : Sub in water	

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	26-Dec-23	7	150	8070	2.39	540.0	244.6	279.4
2			150	8140	2.41	630.0	285.4	
3			150	7995	2.37	680.0	308.0	

111.7	النسبة

MODES OF FAILURE AS PER BS 1881 - Part 116 - 1983

Satisfactory | Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	

AL Saker
الصاكر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983 AND 6097:1988, 6728:1991

PROJECT	مشروع المحطة الحرارية	STATION	
Consultant	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION	508+974-508+989(L-S-RI) / 507+681-507+700 (L-S-RI) 508+035-508+044(L-S-RI)		
DATE OF CASTING	18-Dec-2023	[illegible]	250 Kg/cm²
POURED QUANTITY		m^3	[illegible] 6
CONCRETE SLUMP		Cm	
TARGET SLUMP		Cm	[illegible] Soak in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	26-Dec-23	7	150	8145	2.41	655.0	294.7	285.6
2			150	8140	2.41	610.0	276.3	
3			150	8100	2.40	600.0	271.8	

112.0 النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116:1983

Satisfactory

Unsatisfactory

Remarks

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4 (kN/S to 8.0 kN/S or (0.8(N/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QA/CMANAGER
M. Mahmoud	Ahmed Adel	ASIR STEP
M. Mahmoud	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097;1989, 6720:1991

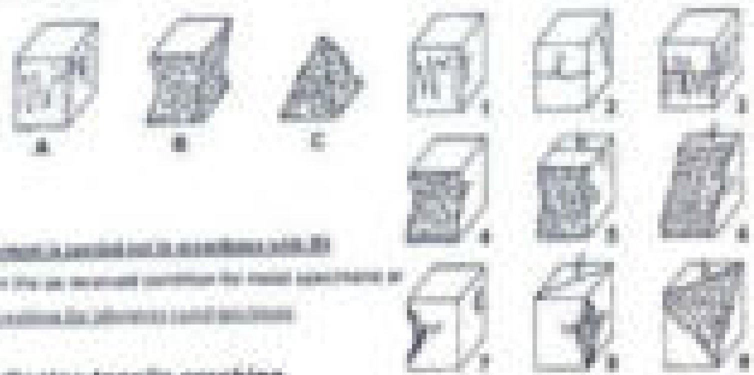
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	500+073-500+089(L-S-D1) / 507+681-507+780(L-S-D1)/ 500+035-500+004(L-S-D1)		
DATE OF CASTING	19-Dec-2023	[illegible] :	250 Kg/cm²
POURED QUANTITY	m³	[illegible] :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	[illegible]	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	16-Jan-24	28	150	8127	2.41	930.0	414.9	404.7
2			150	8148	2.41	934.0	414.0	
3			150	8094	2.40	850.0	385.1	

النسبة	161.9

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory Unsatisfactory



Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mohamed	Ahmed Adel	AMR ATEF
M. Mohamed	Ahmed Adel	

Al Sakr
لخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983 AMD 6097/1989, 6726/1991

PROJECT	مشروع قطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 Kg - OPC
STATION :	500+074:500+089(L-A-B1) ; 507+681:507+780(L-A-B1) ; 508+075:508+044(L-A-B1)		
DATE OF CASTING	19-Dec-2023	REQUIRED STRENGTH	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING	Salt in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	16-Jan-24	28	150	8143	2.41	890.0	403.1	414.5
2			150	8140	2.41	976.0	443.0	
3			150	8100	2.40	877.0	397.3	

165.8	النسبة

MODES OF FAILURE AS PER BS 1881 - Part 116 : 1983

Satisfactory   Unsatisfactory

Remarks:

Density measurement is carried out in accordance with BS ...

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 6.7kN/S to 9.0 kN/S at 36 N/S/S

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mohamed	Ahmed Adel	AMR ATEF
M. Mohamed	Ahmed Adel	

AL Sakr
لتفرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097/1989, 6720/1991

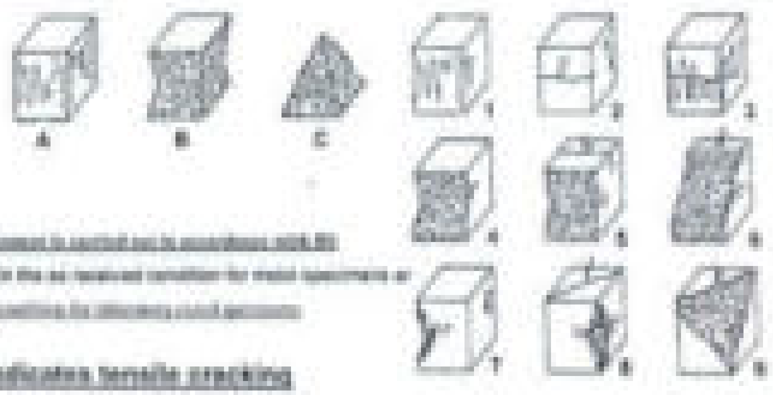
PROJECT	مشروع تطوير الطريق	STATION	
Customer	EGY CONTRAC	Cement Content/Type	318 KG - OPC
STATION :	st.500+029-500+072(L-D-R1) / st.500+077-500+080 (L-D-R1) st.507+703-507+765(L-D-R1) / st.508+093-508+102(L-S-R1)		
DATE OF CASTING	20-Dec-2023	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	27-Dec-23	7	150	8145	2.41	644.0	291.7	285.4
2			150	8100	2.40	630.0	285.4	
3			150	8133	2.41	616.0	279.0	

114.2	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks:

Tensile measurement is carried out in accordance with BS 1881 Part 116 in the as received condition for mold specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mohamed	Ahmed Adel	AMR ATEF
M. Mohamed	Ahmed Adel	

Al Sakr

التقى سالة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983 AND 6097:1989, 6720:1991

PROJECT	[illegible]	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - [illegible]
STATION :	st:508+038-508+032(L-D-R1) / st:508+077-508+086 (L-D-R1) st:507+702-507+760(L-D-R1) / st:508+092-508+103(L-S-R1)		
DATE OF CASTING	28-Dec-2023	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	17-Jan-24	28	150	8040	2.38	592.0	268.3	268.0
2			150	8094	2.40	578.0	261.8	
3			150	8140	2.41	605.0	274.1	

107.2	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory

Remarks :

Results measurement is carried out in accordance with BS 1881 Part 116 [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2 kN/S to 0.4 kN/S or [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud M. Mahmoud	Ahmed Adel Ahmed Adel	AMR ATEF

AL Saker
الصقر لخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

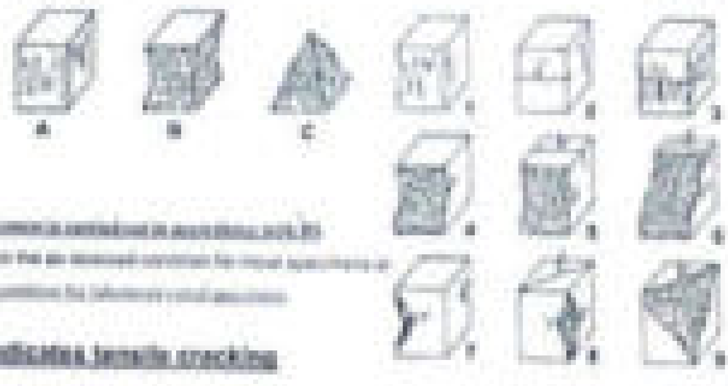
Test Standard BS 1881 - Part 116:1983AND 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	SGV CONTRAC	Cement Content/Type	310 KG / OPC
STATION :	st:508+032-508+041(L-D-B1) / st:508+089 - 508+098 (L-D-B1) st:507+484 - 507+499(L-D-B1) / st:507+648 - 507+681(L-A-B1)		
DATE OF CASTING	21-Dec-2023	REQUIRED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	8
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Bath in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/cm³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	28-Dec-23	7	150	8528	2.41	643.0	291.3	283.6
2			150	8588	2.40	615.0	278.4	
3			150	8518	2.40	620.0	280.9	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 113.4 | النسبة

Satisfactory — Unsatisfactory



Remarks:

Results: [illegible]

[illegible]

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.36kN/S to 8.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mabrouk	Ahmed Adel	AMR ATEF
M. Mabrouk	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	[illegible]	[illegible]	
DATE OF CASTING	21-Dec-2023	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Soak in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (Kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	28-Dec-23	7	150	8120	2.41	611.0	276.8	285.2
2			150	8100	2.40	625.0	283.1	
3			150	8120	2.40	653.0	295.8	

114.1	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory

Unsatisfactory

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6097:1999, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 350	B1 - OPC
STATION :	st:508+032-508+041(L-D-B1) / st:508+089 - 508+098 (L-D-B1) st:507+684 - 507+690(L-D-B1) / st:507+648 - 507+681(L-A-B1)		
DATE OF CASTING	21-Dec-2023	REQUIRED STRENGTH : 350	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (Kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	18-Jan-24	28	150	8070	2.39	835.0	387.3	390.8
2			150	8122	2.41	843.0	383.0	
3			150	8180	2.43	892.0	404.1	

150.3	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory

Unsatisfactory

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 6.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mohamed	Ahmed Adel	AMR ATEF
M. Mohamed	Ahmed Adel	

AL Saker

الصقر سكاكة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

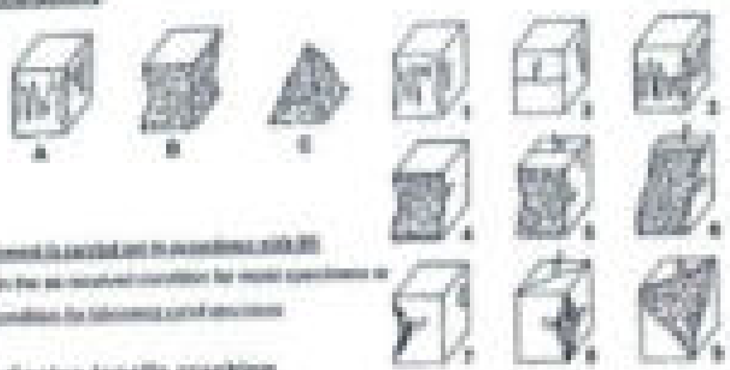
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	st(508+032-508+041)(L-D-B1) / st(508+089 - 508+098 (L-D-B1)) st(507+684 - 507+695)(L-D-B1) / st(507+648 - 507+681)(L-S-B1)		
DATE OF CASTING	31-Dec-2023	SPECIFIED STRENGTH :	350 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Tank in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/cm³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	28-Jan-24	28	150	8014	2.37	851.0	385.5	388.8
2			150	8057	2.39	864.0	391.4	
3			150	8142	2.41	860.0	389.6	

155.5	[illegible]

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks:

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	[signature]

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AND 6097:1989, 4728:1991

PROJECT	مشروع القطر السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type: 318	KG - OPC
STATION :	st:507+651 to 507+670 (L.D.B1) / st:507+600 to 507+645 (L.S.B1) / st:508+104 to 508+119 (L.S.B1) / st:508+047 to 508+074 (L.S.B1)		
		REQUIRED STRENGTH : 250	Kg/cm²
DATE OF CASTING	23-Dec-2023	NO. OF CUBES MADE :	6
POURED QUANTITY	m³		
CONCRETE SLUMP	Cm	TYPE OF CURING :	Soft in water
TARGET SLUMP	Cm		

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength kg/cm²	Average kg/cm²
1	30-Dec-23	7	150	8099	2.40	728.0	329.8	314.6
2			150	8089	2.37	665.0	301.2	
3			150	8028	2.38	690.0	312.8	

النسبة 125.8

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.6N/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
		ASHRAFE
M-Mahmoud	Ahmed Adel	
M-Mahmoud	Ahmed Adel	

Al Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983 AMD 6097) 1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAL	Cement Content/Type	310 KG - OPC
STATION :	st:507+651 to 507+678 (L.D.B1) / st:507+686 to 507+645 (L.S.B1) / st:508+104 to 508+119 (L.S.B1) / st:508+047 to 508+074 (L.S.B1)		250 Kg/cm²
	13-Dec-2023	REQUIRED STRENGTH :	
DATE OF CASTING	m³	NO. OF CUBES MADE :	6
POURED QUANTITY	Cm		Sub in water
CONCRETE SLUMP	Cm	TYPE OF CURING :	
TARGET SLUMP			

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/cm³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	30-Dec-23	7	150	8327	2.47	695.0	313.8	303.2
2			150	7980	2.36	621.8	281.3	
3			150	8160	2.42	696.0	315.3	

النسبة 121.3

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S or 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
		AMR ATEF
H. Mahmoud	Ahmed Adel	[signature]
H. Mahmoud	Ahmed Adel	

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6726:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	ELY CONTRAC	Cement Content/Typ.	310 KG - OPC
STATION :	st:507+651 to 507+678 (L.B.B1) / st:507+606 to 507+648 (L.B.B1) / st:508+184 to 508+119 (L.B.B1) / st:508+047 to 508+074 (L.B.B1)		
DATE OF CASTING	23-Dec-2023	SPECIFIED STRENGTH :	250 Kg/cm^2
POURED QUANTITY	m^3	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/cm^3)	Failure Load (kN)	Comp. Strength Kg/cm^2	Average Kg/cm^2
1	20-Jun-24	28	150	8131	2.40	774.0	350.6	359.1
2			150	8008	2.37	798.6	361.7	
3			150	7994	2.37	806.8	365.1	

143.6	النسبة

MODES OF FAILURE AS PER BS 1881 - Part 116 : 1983

Satisfactory **Unsatisfactory**

Remarks :

Results assessment is carried out in accordance with BS 1881 Part 116 in the air [illegible] condition for [illegible] specimens or in the [illegible] condition for [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 6.8kN/S to 0.04kN/S or [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	

AL Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6097:1989, 6720:1991

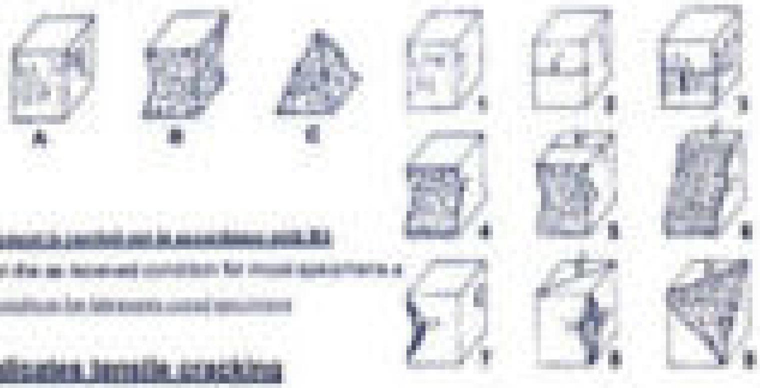
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	st:507+631 to 507+678 (L.O.B1) / st:507+606 to 507+645 (L.A.B1) / st:508+047 to 508+074 (L.A.B1) / st:508+104 to 508+119 (L.A.B1)		
DATE OF CASTING	31-Dec-2023	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	3
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	28-Jan-24	28	150	8078	2.39	789.0	360.1	364.2
2			150	8149	2.41	687.0	311.2	
3			150	8069	2.39	930.0	421.3	

145.7	النسبة

MODES OF FAILURE AS PER BS 1881 - Part 116 - 1983

Satisfactory — Unsatisfactory



Remarks:

Result: assessment is carried out in accordance with BS 1881 Part 116 [illegible]

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.76kN/S to 9.03kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. Mahmoud	Ahmed Adel	AMR [illegible]
M. Mahmoud	Ahmed Adel	[signature]

27

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Al Sakr
الصقر للجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type : 350	KG - OPC
STATION :	at 508+044-508+077 L-D / at 508+122-508+131 L-R		
DATE OF CASTING	24-Dec-2023	SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

n. Of cu	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	31-Dec-23	7	150	8129	2.41	709.0	321.3	332.7
2			150	7967	2.36	755.0	342.0	
3			150	8031	2.38	739.0	334.8	

133.1	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for cored specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 8.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M-mahmoud	Ahmed Adel	
mo Mahmoud	Ahmed Adel	

الصقر للجاهزة

Al Sakr

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Contractor	EGY CONTRAC		Cement Content/Type	350	KG - OPC
STATION	@ 508+101.508+116 L-D / @ 507+609.507+648 L-D				
DATE OF CASTING	24-Dec-2023		SPECIFIED STRENGTH	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING	Sub in water	

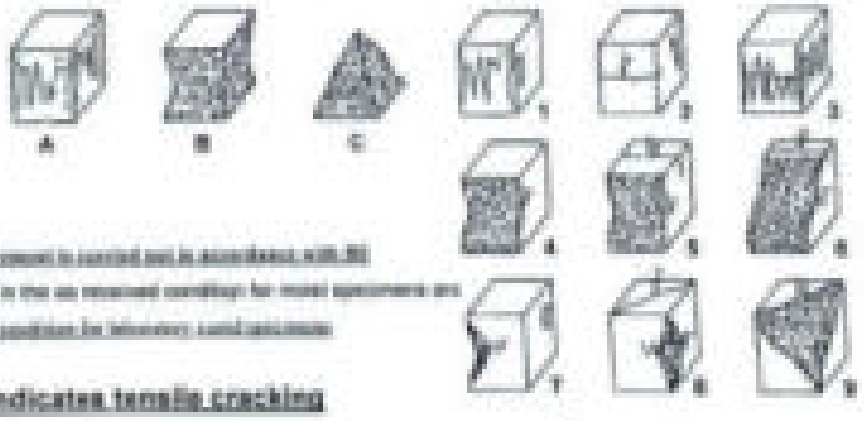
S. No. Of cubes	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	31-Dec-23	7	150	7836	2.32	839.0	380.1	329.6
2			150	8038	2.38	578.0	261.8	
3			150	8214	2.43	766.8	347.0	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

131.9 النسبة

Satisfactory

Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for moist specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	
M. Mahmoud	Ahmed Adel	

27 26

AL Sakr
الصقر الجاهزة
خرسانة الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AND 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type 310	KG - OPC
STATION	at 508+044-508+071 L-R / at 508+121-508+131 L-R			
DATE OF CASTING	24-Dec-2023		SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING : Sub in water	

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	21-Jan-24	28	150	8058	2.39	678.0	307.1	314.8
2			150	8088	2.40	711.0	322.1	
3			150	8117	2.41	696.0	315.3	

125.9	النسبة

MODES OF FAILURE AS PER BS 1881 - Part 116 - 1983

Satisfactory — Unsatisfactory

Remarks:

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for mold specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	Eng. Nizar
M. Mahmoud	Ahmed Adel	[signature]

خرسانة الجاهزة

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	350 KG - OPC
STATION :	st 508+101-508+116 L-R / st 507+609-507+648 L-R			
DATE OF CASTING	24-Dec-2023		SPECIFIED STRENGTH :	250 Kg/cm²
PITCHED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	21-Jan-24	28	150	8053	2.40	682.0	308.9	333.4
2			150	8086	2.40	689.0	312.1	
3			150	8140	2.41	827.0	379.2	

133.4	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks

[illegible] with BS 1881 Part 116 [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mahmoud	Ahmed Ashraf	AMR ATEF
m. mahmoud	Ahmed Ashraf	

Al Sakr
معمل المشتر[illegible]
للخرسانة الجاهزة

(31)

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

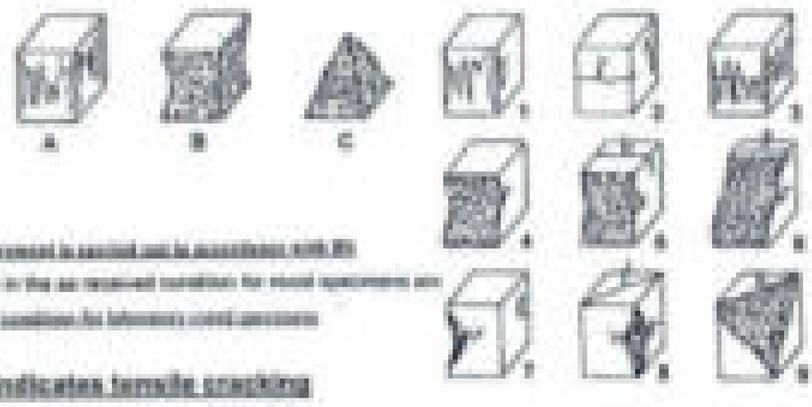
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	st 508+119-508+128 L.O- B_1		
DATE OF CASTING	25-Dec-2023	SPECIFIED STRENGTH :	250 Kg/cm^2
POURED QUANTITY	m^3	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm^2	Average kg/cm^2
1	1-Jan-24	7	150	7776	2.30	659.0	298.5	301.4
2			150	7736	2.29	641.0	290.4	
3			150	7756	2.30	696.0	315.3	

120.6	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for wood specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
m. mahmoud	Ahmed Adel	A. Mahmoud
m. mahmoud	Ahmed Adel	

معمل الخرسانة الجاهزة

Al Saker
الشركة الساهرة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	310	KG - OPC
STATION					
DATE OF CASTING	28-Dec-2023			250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING	Sub in water	

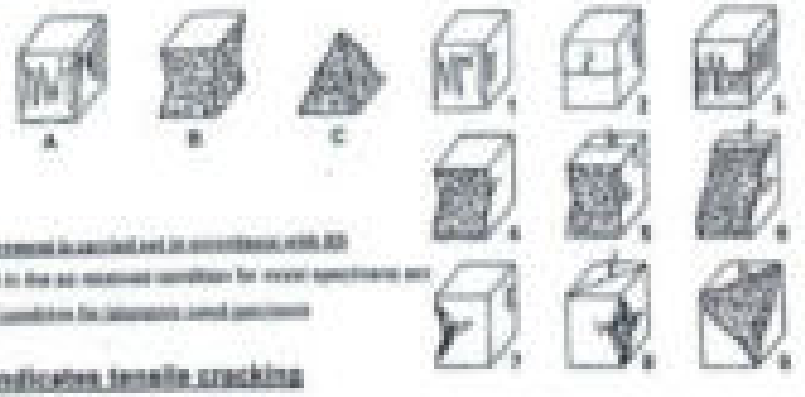
S. Of cu	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	22-Jan-24	28	150	7950	2.37	647.9	383.7	386.1
2			150	8011	2.37	655.8	387.3	
3			150	7918	2.34	655.9	387.3	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

154.4 النسبه

Satisfactory

Unsatisfactory



Remarks:

Density measurement is carried out in accordance with BS 1881 (Part 114) to the as received condition for cured specimens and to the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR REEF

(32)

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

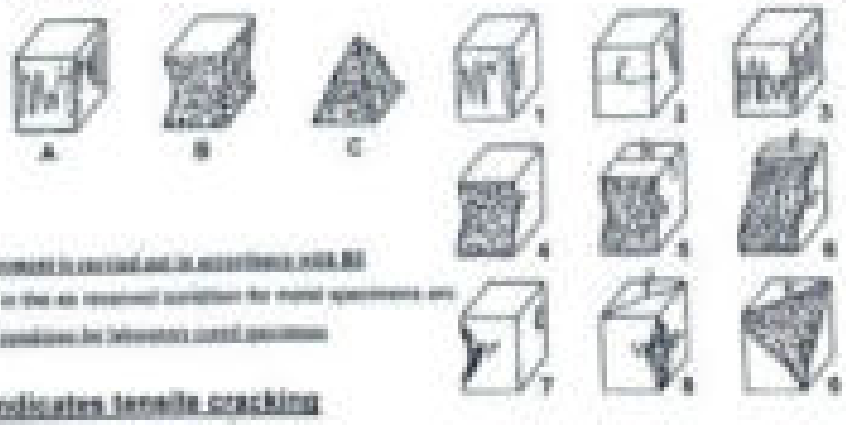
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	@ 508+185-508+124 L-S		
DATE OF CASTING	26-Dec-2023	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

n. Of cu	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	2-Jan-24	7	150	7630	2.26	806.0	365.1	386.7
2			150	7726	2.29	872.0	395.0	
3			150	7719	2.29	883.0	400.0	

154.7	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m.mahmoud	Ahmed Ashry	
m.mahmoud	Ahmed Ashry	A.Yacoub

Al Saker
شركة الساكر

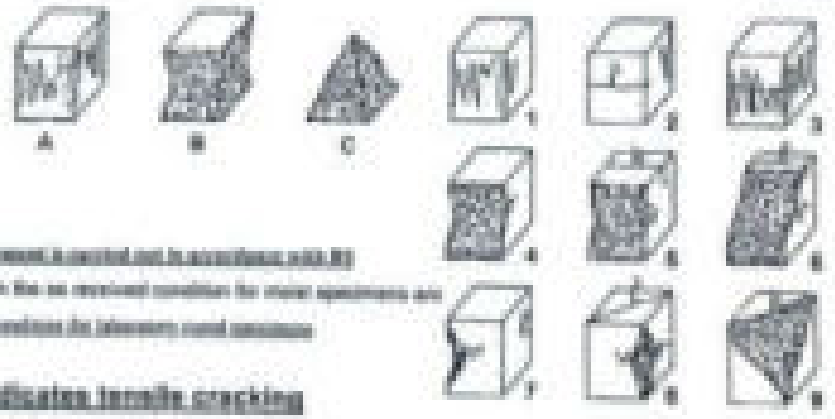
DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع قطار الشرق	STATION	
Customer	EGY CONTRAC	Cement Content/Type: 310 KG / OPC	
STATION :	at 500+300-500+330 L-S		
DATE OF CASTING	26-Dec-2023	DESIGNED STRENGTH : 350	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING : Soak in water	

No. Of cubes	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	3-Jan-24	7	150	7744	2.29	805.0	364.7	373.0
2			150	7832	2.32	901.0	408.2	
3			150	7712	2.29	764.0	346.1	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 — 149.2 — النسبه

Satisfactory — Unsatisfactory



Remarks:

Density measurement is carried out in accordance with BS 1881:Part 114 on the as received condition for cubes specimens and on the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2kN/S to 0.4 kN/S or (0.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
		APPROVED

Al Saker

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطر السريع		
Customer	EGY CONTRAC	STATION	
STATION :		Cement Content/Type	310 KG - OPC
DATE OF CASTING		st 508+385-508+134 L.S	
POURED QUANTITY	26-Dec-2023	SPECIFIED STRENGTH :	250 Kg/cm²
CONCRETE SLUMP	m³	NO. OF CUBES MADE :	6
TARGET SLUMP	Cm		
	Cm	TYPE OF CURING :	Sub in water

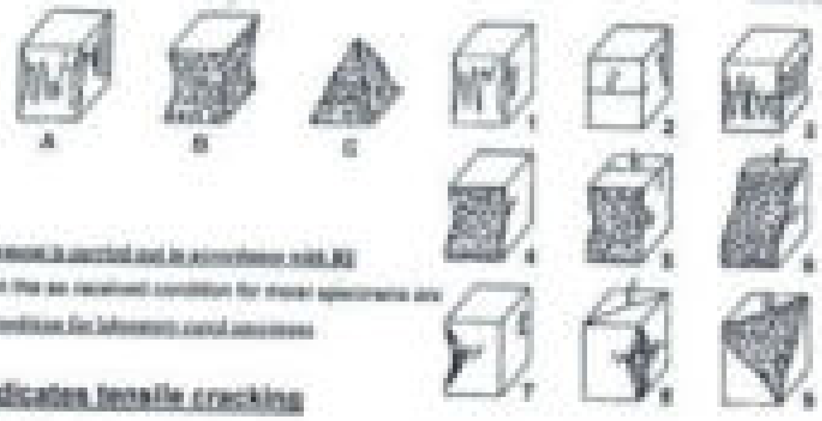
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	23-Jan-24	28	150	8145	2.41	913.0	413.6	421.4
2			150	8009	2.37	905.0	410.0	
3			150	8035	2.38	973.0	440.8	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

168.6	النسبة

Satisfactory

Unsatisfactory



Remarks:

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for site specimens and in the saturated condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.6N/mm²/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mahmoud	Ahmed Adel	AMR ATEF
m. mahmoud	Ahmed Adel	

Al Sakr
المجموعة الجالية

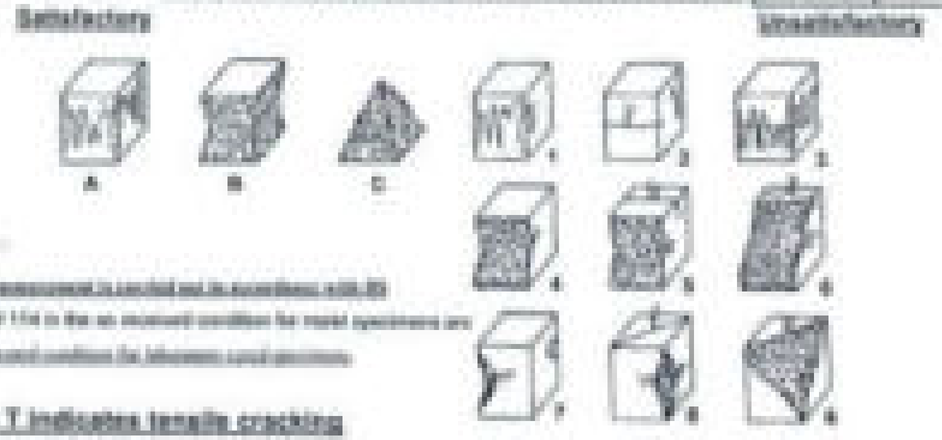
DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	st 500+200.0 - 500+250.0 (L-S) R)		
DATE OF CASTING	26-Dec-2023	SPECIFIED STRENGTH :	250 Kg/cm^2
POURED QUANTITY	m^3	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (Kg/m^3)	Failure Load (kN)	Comp. Strength Kg/cm^2	Average kg/cm^2
1	23-Jan-24	28	150	7990	2.37	890.0	403.2	416.6
2			150	8114	2.40	908.0	411.3	
3			150	8003	2.37	961.0	435.3	

<u>MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983</u>

166.6	النسبة



Remarks :

Quality measurement is carried out in accordance with BS 1881 Part 116 in the as received condition for cored specimens and in the saturated condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.50kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m-mahmoud	Ahmed Adel	AMR ATEF
m. mahmoud	Ahmed Adel	

Al Sakr
معمل [illegible]
المجموعة الجالية

34 35

Al Sakr
الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1988, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	310	KG - OPC
STATION :	a 500+182-500+131 L-D / a 500+197-500+188 L-S				
DATE OF CASTING	27-Dec-2023		PECIMEN STRENGTH :	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water	

S. Of cubes	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	3-Jan-24	7	150	8233	2.44	643.0	291.3	298.4
2			150	7896	2.34	652.0	295.4	
3			150	8131	2.41	681.0	308.5	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 119.4 | النسبة

Satisfactory

Unsatisfactory

Remarks:

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for moist specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.3kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. mahmoud		APPROVED
M. mahmoud		

Al Sakr
الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

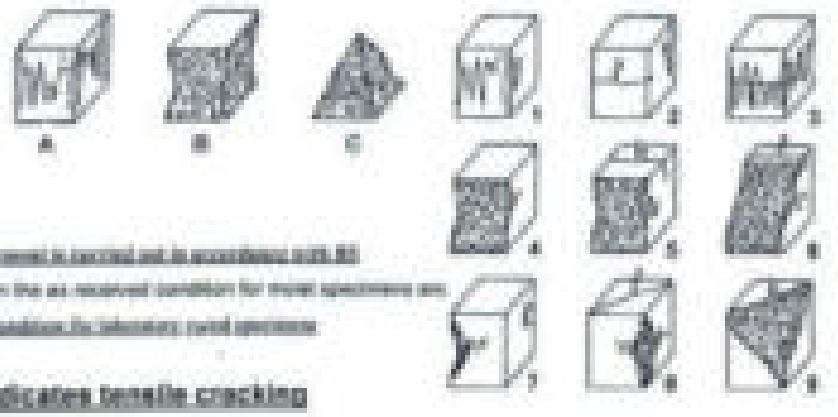
Test Standard BS 1881 - Part 116:1983AMD 6897:1988, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customar	EGY CONTRAC	Cement Content/Type : 310 KG - OPC	
STATION :	H 508+136-508+183 L-R / H 508+279-508+342 L-R		
DATE OF CASTING	27-Dec-2023	SPECIFIED STRENGTH : 250 Kg/cm²	
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING : Sub in water	

S. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	3-Jan-24	7	150	8134	2.44	669.0	303.1	398.7
2			150	8046	2.38	697.6	297.6	
3			150	7963	2.36	672.8	286.3	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 — 118.3

Satisfactory — Unsatisfactory



Remarks

Density measurement is carried out in accordance with BS

1881 Part 114 on the as received condition for moist specimens and

on the required condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.86N/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. mahmoud	Ahmed Adel	ENGINEER
M. mahmoud	Ahmed Adel	

AL Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

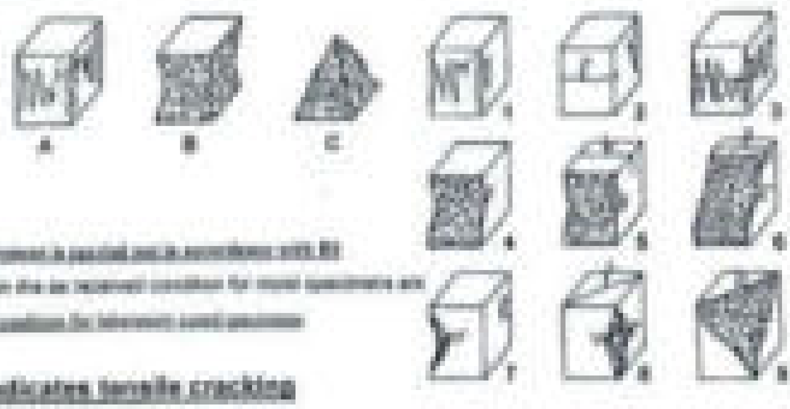
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	st 508+183-508+131 L.fS / st 508+197-508+188 L.S		
DATE OF CASTING	27-Dec-2023	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	24-Jan-24	28	150	8067	2.39	723.0	327.1	385.7
2			150	8088	2.40	951.0	430.8	
3			150	8032	2.38	881.0	399.1	

154.3	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory / Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 ... [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
m-mahmoud	Ahmd Adel	
m-mahmoud	Ahmd Adel	

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

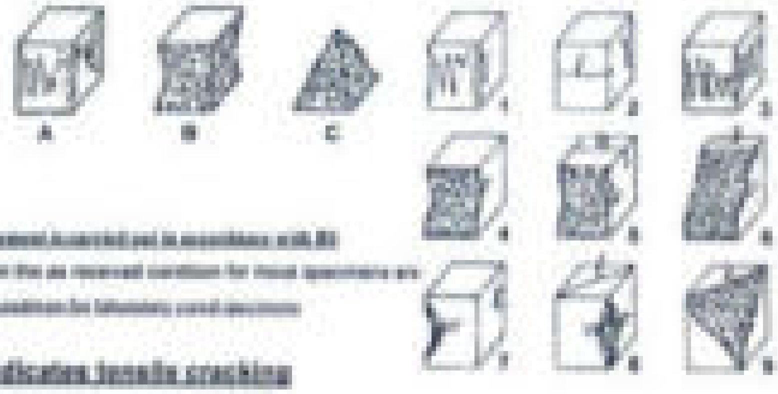
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع			
Customer	EGY CONTRAC		STATION	
STATION :	[illegible]		Cement Content/Type	350 KG - OPC
DATE OF CASTING	27-Dec-2023		SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

n. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	24-Jun-24	28	150	8051	2.39	670.8	383.8	374.9
2			150	8043	2.38	896.8	405.9	
3			150	8055	2.39	914.8	414.0	

MODES OF FAILURE AS PER BS 1881 - Part 116 : 1983 | 149.8 | النسبة

Satisfactory — Unsatisfactory



Remarks

Density measurement is carried out in accordance with BS [illegible]

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF

AL Sakr

شركة الصقر الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

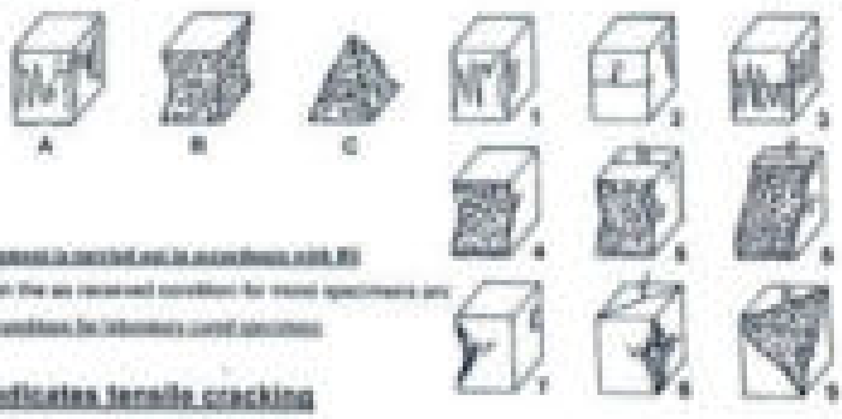
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	st 508+272-508+239 L-D		
DATE OF CASTING	28-Dec-2023	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	4-Jan-24	7	150	8080	2.39	694.0	314.4	311.1
2			150	7991	2.37	657.0	297.6	
3			150	8007	2.37	709.0	321.2	

124.4	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory



Remarks

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m-mahmoud	Ahmed Adel	
m-mahmoud	Ahmed Adel	

(38)

Al Sakr
الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

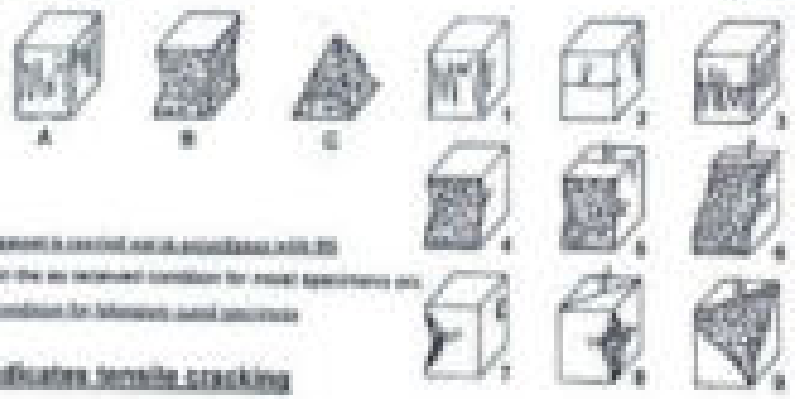
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	310	SG - OPC
STATION					
DATE OF CASTING	28-Dec-2023		SPECIFIED STRENGTH	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING	Sub in water	

S. Of cubes	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	4-Jan-24	7	150	7940	2.38	697.0	315.7	308.9
2			150	7981	2.36	673.0	304.9	
3			150	7945	2.35	689.0	312.1	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory



Unsatisfactory

124.4 النسبه

Remarks:

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.3kN/S to 0.6 kN/S or (0.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	
M. Mahmoud	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

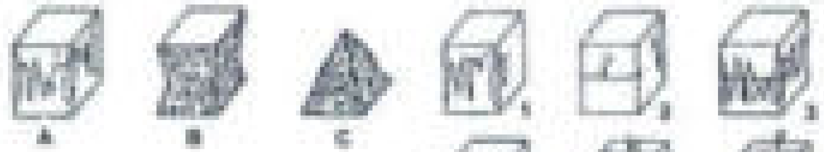
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 350	KG - OPC
STATION :	st 508+300-508+185 L-D		
DATE OF CASTING	28-Dec-2023	SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

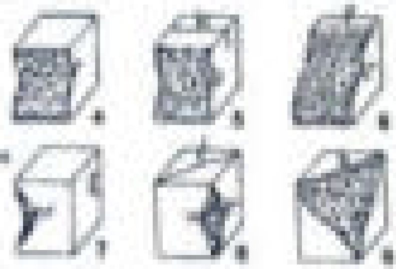
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	4-Jan-24	7	150	8021	2.38	661.0	299.9	299.8
2			150	8001	2.37	667.0	302.2	
3			150	7995	2.37	630.0	285.4	

118.3	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | **Unsatisfactory**





Remarks:

Results assessment is carried out in accordance with BS 1881 Part 116 in the as-received condition for visual specimens and in the saturated condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
m. mahmoud	Ahmed Adel	
m. mahmoud	Ahmed Adel	

AL Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

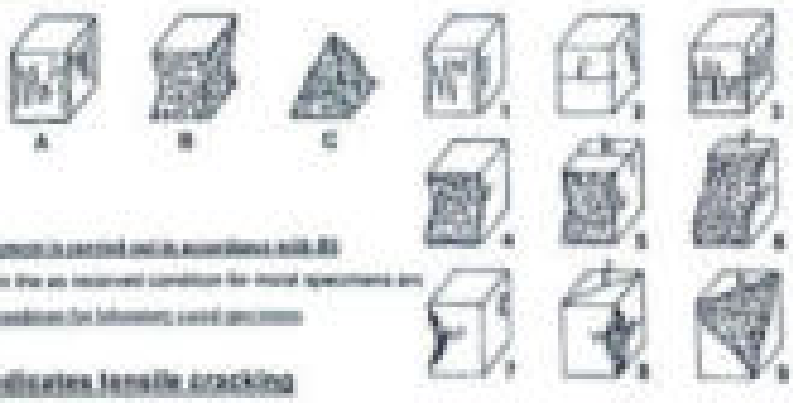
PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	350 KG - OPC
STATION :	st 500+272-500+239 L-D			
DATE OF CASTING	28-Dec-2023		SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Soak in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	25-Jan-24	28	150	8198	2.43	945.0	428.1	406.5
2			150	8094	2.40	901.0	408.2	
3			150	8072	2.39	846.0	383.2	

162.6	النسبة

MODES OF FAILURE AS PER BS 1881 - Part 116 - 1983

Satisfactory Unsatisfactory



Remarks

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	

AL Sakr

Al Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	at 500+350-500+370 L-5		
DATE OF CASTING	28-Dec-2023	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

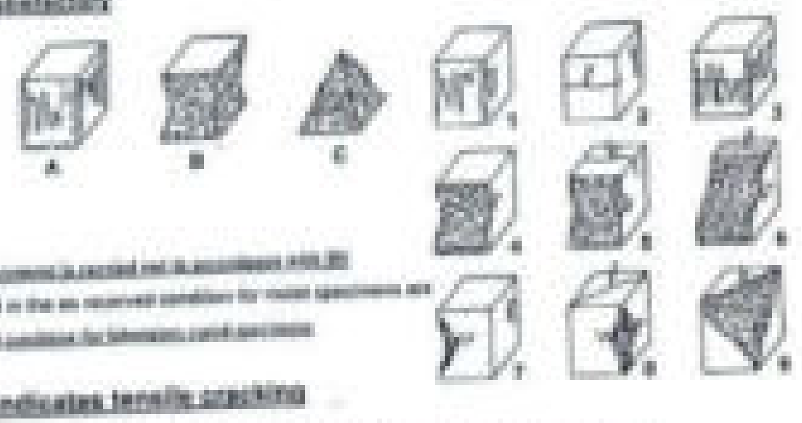
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	25-Jan-24	28	150	8250	2.44	1082.0	491.5	433.0
2			150	8085	2.40	889.0	402.7	
3			150	8114	2.40	904.0	409.3	

168.8	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory

Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for cubic specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5(kN/S) to 9.0 (kN/S) or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF
m. mahmoud	Ahmed Abdel	
m. mahmoud	Ahmed Abdel	

AL SAKR
معمل الصقر
للخرسانة الجاهزة

Al Sakr

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6726:1991

PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	350 KG - OPC
STATION :	st 500+200.500+105 L-D			
DATE OF CASTING	28-Dec-2023		REQUIRED STRENGTH :	250 Kg/cm^2
POURED QUANTITY		m^3	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m^3)	Failure Load (kN)	Comp. Strength Kg/cm^2	Average Kg/cm^2
1	25-Jan-24	28	150	8140	2.41	868.8	393.7	401.5
2			150	8125	2.41	885.0	400.9	
3			150	8097	2.40	906.0	410.4	

160.6	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory

Remarks:

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for most specimens [illegible] in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/s to 9.0 kN/s or [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
m. mahmoud	Ahmed Adel	AMR ATEF
m. mahmoud	Ahmed Adel	A. Atef

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

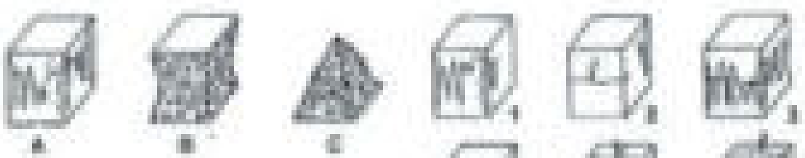
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

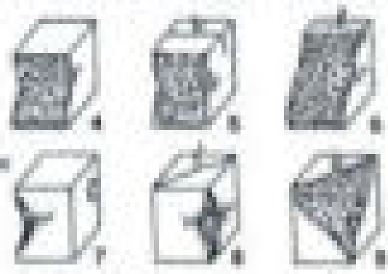
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	st 508+356-508+305 L-D		
DATE OF CASTING	30-Dec-2023	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	6-Jan-24	7	150	8004	2.37	673.0	304.4	284.0
2			150	7988	2.37	631.0	285.8	
3			150	7990	2.37	578.0	261.8	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 113.6 | النسبة

Satisfactory — Unsatisfactory





Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for field specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mahmoud	Ahmed Adel	
m. mahmoud	Ahmed Adel	

(#2)

Al Saker
شركة الساكر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

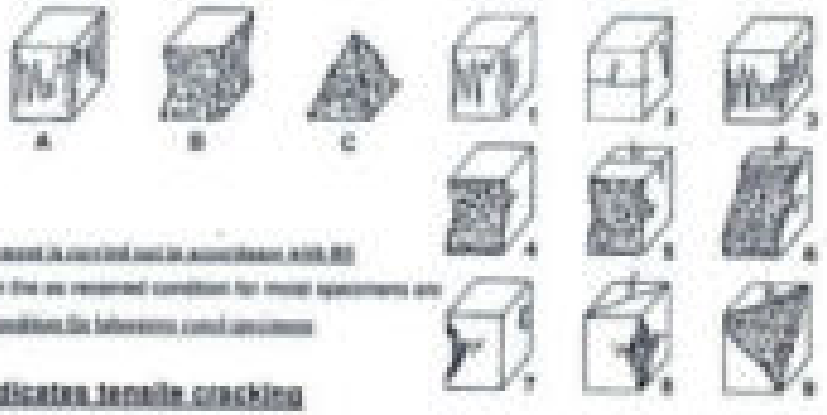
Test Standard BS 1881 – Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	310	KG - OPC
STATION			w 508+371-508+362 L-A		
DATE OF CASTING	30-Dec-2023		DESIGN STRENGTH	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING	Sub in water	

S. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	6-Jan-24	7	150	8033	2.38	489.0	310.3	286.7
2			150	8020	2.38	602.0	272.7	
3			150	8016	2.38	612.0	277.2	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 114.7 | النسبة

Satisfactory



Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for most specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.1kN/S to 8.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. mohamed	Ahmed A.S.	AMR ATEF
M. mohamed	Ahmed A.S.	

AL Saker

مؤسسة الجاهزة للخرسانة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		
Customer	EGY CONTRAC	STATION	
STATION :		Cement Content/Type	335 KG : OPC
		st 500+250,500+305 L.D	
DATE OF CASTING	30-Dec-2013	PRESCRIBED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Soft in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	27-Jan-14	28	150	8120	2.41	1011.0	458.0	461.0
2			150	8166	2.42	1020.0	462.1	
3			150	8083	2.39	1022.0	463.0	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 184.4 | النسبة

Satisfactory — Unsatisfactory

Remarks:

Density measurement is carried out in accordance with BS 1881 Part 114 in the as-received condition for more specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mohamed	Ahmd Adel	AMR ATEF
m. mohamed	Ahmd Adel	

AL Saker

معمل الخرسانة الجاهزة

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	510 KG - OPC
STATION :		st 508+171-508+362 L-S	
DATE OF CASTING	30-Dec-2023	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	27-Jan-24	28	150	8098	2.40	920.0	416.8	444.4
2			150	8047	2.38	990.0	448.5	
3			150	8072	2.39	1033.0	467.9	

177.8	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory Unsatisfactory

Remarks:

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. mohamed	Ahmed Azi	AMR ATEF
M. mohamed	Ahmed Azi	

AL Sakr
معمل المشترك
الخرسانة الجاهزة

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Al Sakr
الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

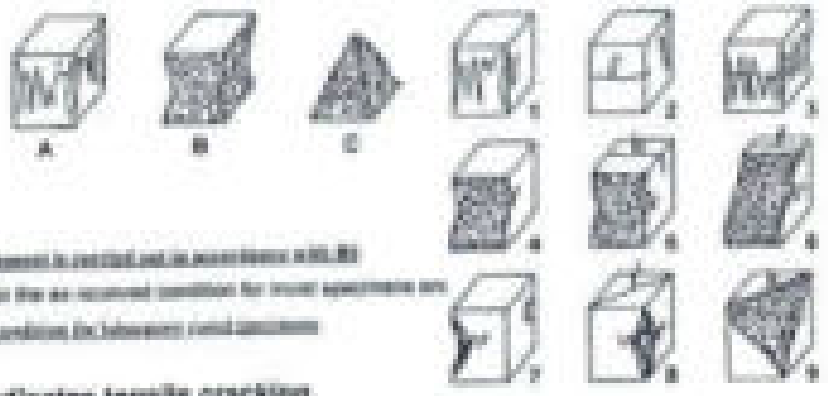
Test Standard BS 1881 - Part 116:1983,AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	310	KG - OPC
STATION	st 508+302-508+375 L-D / st 508+360-508+399 L-D				
DATE OF CASTING	31-Dec-2023		SPECIFIED STRENGTH	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING	Sub in water	

No. Of cubes	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	7-Jan-24	7	150	8083	2.37	715.0	322.1	318.6
2			150	7960	2.36	698.0	312.6	
3			150	7891	2.34	656.0	297.2	

MODES OF FAILURE AS PER BS 1881: Part 116 : 1983 | 124.2 | النسبه

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 881

1881 Part 116 is the an received condition for most specimens are

to the moulded condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 6.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
	Ahmed Adel	
	Ahmed Adel	

45

AL Sakr

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

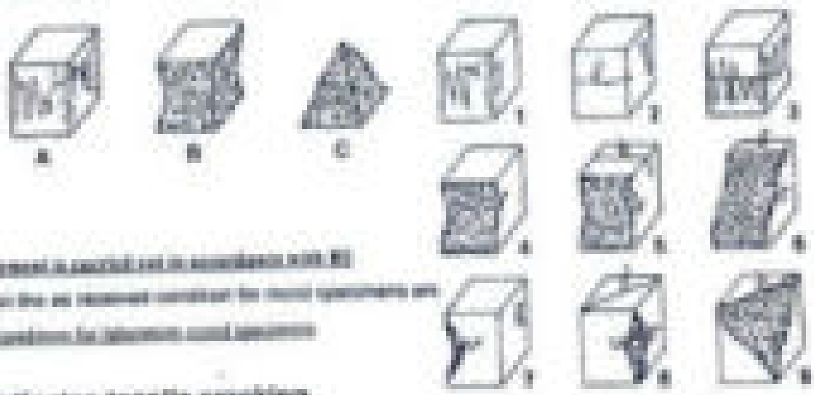
PROJECT	مشروع الطفر السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	310 KG - OPC
STATION :	at 508+443-508+374 L-5			
DATE OF CASTING	31-Dec-2023		SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

n. Of cu	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	7-Jan-24	7	150	7919	2.35	646.8	293.4	307.5
2			150	7964	2.36	679.8	305.8	
3			150	7997	2.37	713.0	323.0	

122.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory **Unsatisfactory**



Remarks:

Density measurement is carried out in accordance with BS 1881 Part 114 [illegible] [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. Mohamed	Ahmed Adel	
m. mohamed	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع الطفر السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	at 500+302-500+175 L.D / at 500+368-500+395 L.D		
DATE OF CASTING	31-Dec-2023	REQUIRED STRENGTH :	350 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

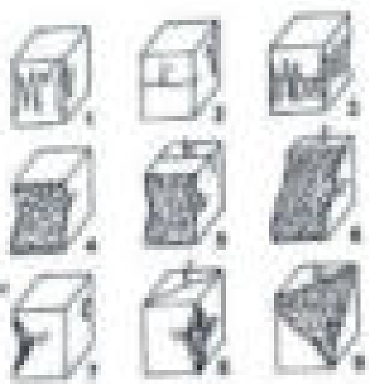
No. Of sp	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	28-Jan-24	28	150	8097	2.39	860.0	389.8	374.6
2			150	8150	2.40	855.0	387.3	
3			150	8020	2.38	766.0	347.0	

149.9	النسبة

MODES OF FAILURE AS PER BS 1881 - Part 116 - 1983

Satisfactory

Unsatisfactory



Remarks:

Specimen assessment is carried out in accordance with BS 1881 Part 114 in the as received condition for mould specimens and in the saturated condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2kN/S to 0.4 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF
mohamed	Ahmed Adel	
m. mohamed	Ahmed Adel	

AL Sakr

(45)

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 RG - OPC
STATION :	[illegible]		
DATE OF CASTING	31-Dec-2023	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Bath in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	28-Jan-24	28	150	8075	2.39	756.0	342.5	354.7
2			150	7987	2.37	828.0	371.5	
3			150	7994	2.37	773.0	350.2	

141.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mahmoud	Ahmd Adel	AMR ATEF
m. mahmoud	Ahmd Adel	

AL Sakr
معمل المستشر 2
الخرسانة الجاهزة

AL Sakr للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

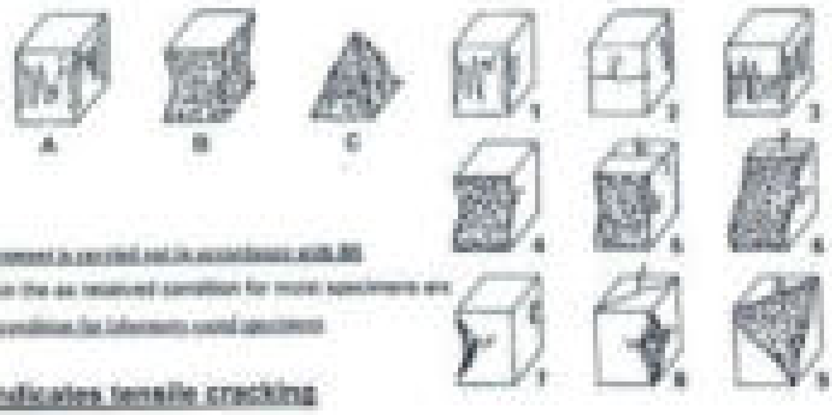
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	at 508+432-508+371 L-O		
DATE OF CASTING	1-Jan-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	8-Jan-24	7	150	8070	2.39	731.0	331.1	313.9
2			150	7994	2.37	659.0	298.5	
3			150	8024	2.38	689.0	312.1	

125.6	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks:

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for most specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mahmoud	Ahmd Azl	AMR ATEF
m. mahmoud	Ahmd Azl	

معمل الصقر للخرسانة الجاهزة

(47)

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	318 KG - OPC
STATION	[illegible]		
DATE OF CASTING	1-Jun-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	8-Jun-24	7	150	7940	2.35	628.0	284.5	305.5
2			150	7980	2.36	680.0	308.0	
3			150	8032	2.38	715.0	323.9	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983	122.2	النسبة

Satisfactory

Unsatisfactory

Remarks:

Density measurement is carried out in accordance with BS 1881: Part 114 in the as received condition for moist specimens or in the saturated condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mahmoud	Ahmed Adel	AMR ATEF
m. mahmoud	Ahmed Adel	

Al Saker
شركة الساكر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 – Part 116:1983,AMD 6097:1989, 6728:1991

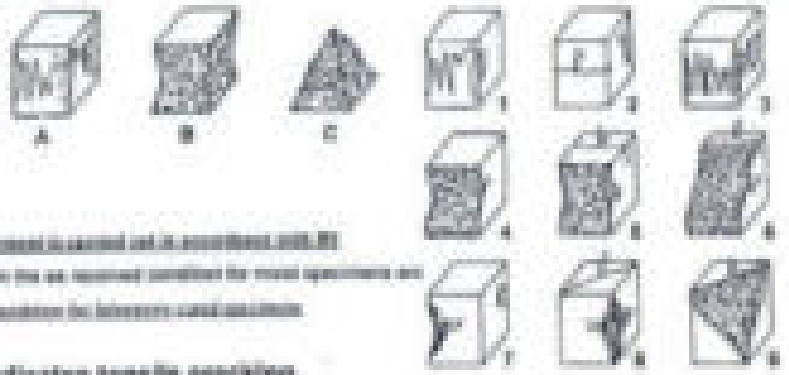
PROJECT	مشروع تطهير الترعة	STATION	
Customer	EGY CONTRAC	Cement Content/Type : 310 KG - OPC	
STATION			
DATE OF CASTING	1-Jan-2024		
POURED QUANTITY	m^3	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	CURING : Sub in water	

No. Of cubes	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	29-Jan-24	28	150	8500	2.40	971.8	430.9	487.3
2			150	8150	2.41	948.6	420.1	
3			150	8032	2.38	1113.0	493.7	

182.9 النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks

Density measurement is carried out in accordance with BS

1881 Part 116 on the as received condition for mixed specimens and

in the saturated condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.3kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mahmoud	Ahmed Adel	
m. mahmoud	Ahmed Adel	

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AL Sakr
الصقر للخرسانة الجاهزة

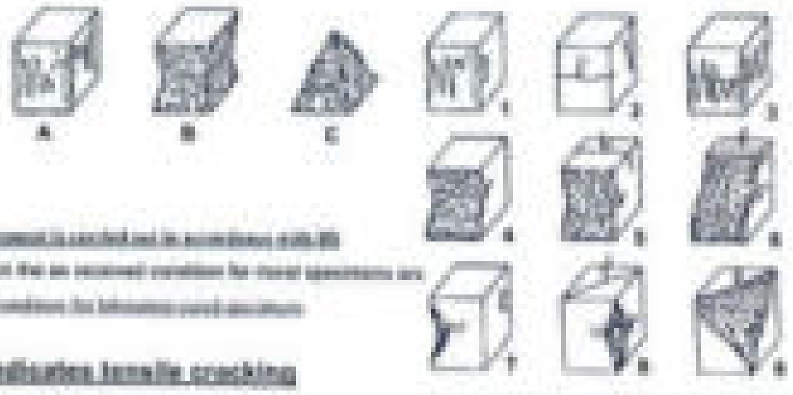
DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	318 KG - OPC
STATION :	st 500+171.0 - 500+412.0 L-O R 1		
DATE OF CASTING	1-Jan-2024	REQUIRED STRENGTH :	350 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	29-Jan-24	28	150	8046	2.38	1012.0	458.4	454.2
2			150	8098	2.40	1001.0	453.5	
3			150	8076	2.39	995.0	450.7	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 181.7 | النسبة

Satisfactory — Unsatisfactory



Remarks:

Results measurement is carried out in accordance with BS 1881 Part 116 at [illegible] condition for [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2kN/S to 0.4 kN/S at (0.3kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m.mahmoud	Ahmed Adel	AMRAZEZ
m.mahmoud	Ahmed Adel	

مختبر الصقر
للخرسانة الجاهزة

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Al Saker
الساكر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1988, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	310	KG - OPC
STATION :	st 508+486-508+625 L-D / st 508+467-508+482 L-S				
DATE OF CASTING	3-Jan-2024		DESIGN STRENGTH :	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water	

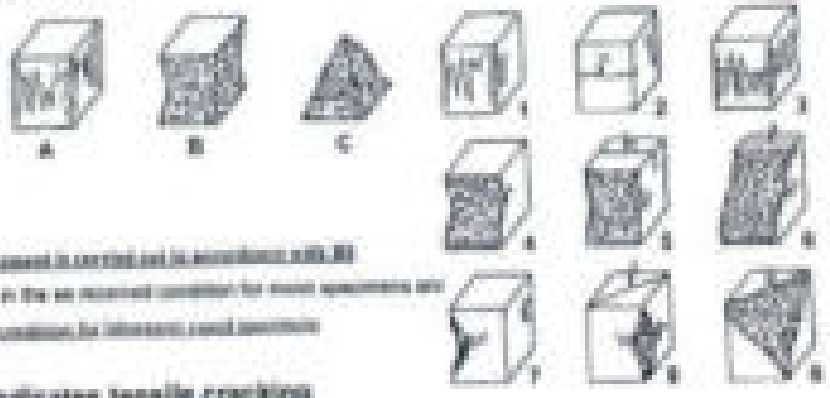
S. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	9-Jan-24	7	150	8048	2.39	628.0	284.5	271.6
2			150	7986	2.37	560.0	253.7	
3			150	8017	2.38	611.0	276.8	

MODES OF FAILURE AS PER BS 1881: Part 116 : 1983

108.7 النسبه

Satisfactory

Unsatisfactory



Signature

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for most specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 6 (kN/S to 9.0 kN/S or (6 (kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. mahmoud	Abdallah	AMR ATEF
M. mahmoud	Abdallah	

QC Dept.

Al Sakr
المؤسسة الجمهورية

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع الطرق السريع			
Customer	EGY CONTRAC		STATION	
STATION :			Cement Content/Type	310 KG - OPC
DATE OF CASTING		st 508+446-508+425 L.D / st 508+447-508+452 L.S		
POURED QUANTITY	3-Jan-2024		SPECIFIED STRENGTH :	150 Kg/cm²
CONCRETE SLUMP		m³	NO. OF CUBES MADE :	6
TARGET SLUMP		Cm		
		Cm	TYPE OF CURING :	Sub in water

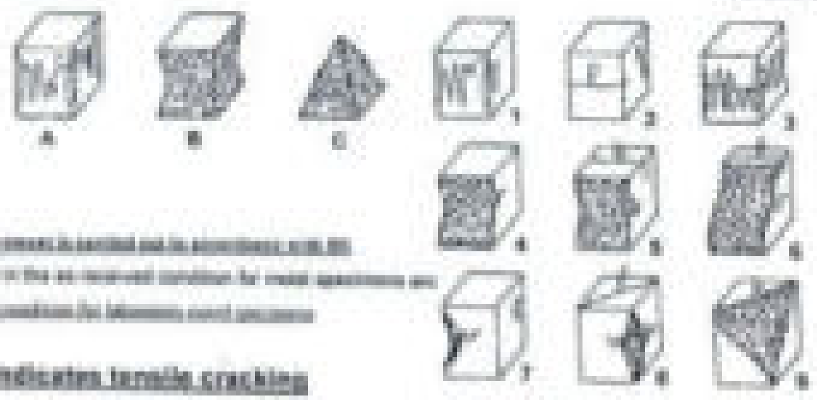
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	30-Jan-24	28	150	8070	2.39	758.0	343.4	342.0
2			150	8092	2.40	747.0	338.4	
3			150	8100	2.40	760.0	344.3	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 198

136.8	النسبة

Satisfactory

Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS
[illegible]
in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	QAC MANAGER
m-mahmoud	Ahmed Adel	
m-mahmoud	Ahmed Adel	AMRATEF Al Sakr

Al Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

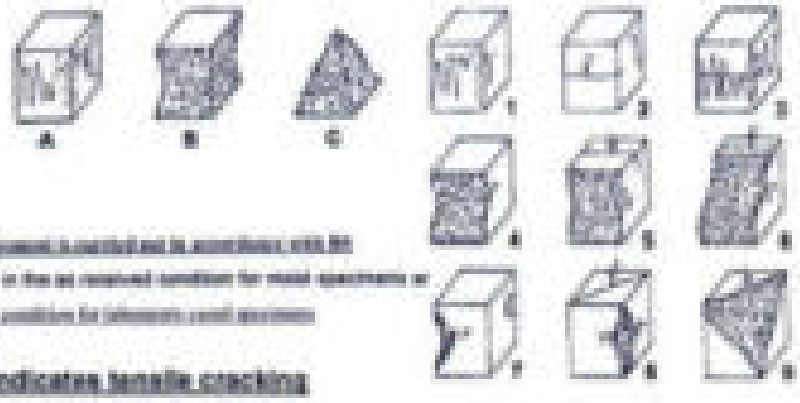
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	st 500+198.5-500+141.5 (L-S-02) / st 500+327.5-500+300.5 (L-S-02)		
DATE OF CASTING	4-Jun-2024	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

n. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	11-Jun-24	7	150	8033	2.38	676.0	306.2	313.0
2			150	7990	2.37	747.0	338.4	
3			150	8006	2.37	650.0	294.5	

125.2	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 (Part 114) in the as received condition for mold specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M.Mahmoud	Ahmed Adel	AMR ATEF
M.Mahmoud	Ahmed Adel	

Al Sakr
الصقر للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION
Customer	EGY CONTRAC		Cement Content/Type 350 KG - OPC
STATION :	st 500+196.5-500+141.5 (L.-S.-R1) / st 500+327.5-500+306.5 (L.-S.-R1)		
DATE OF CASTING	4-Jan-2024		REQUIRED STRENGTH : 250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE : 6
CONCRETE SLUMP		Cm	
TARGET SLUMP		Cm	TYPE OF CURING : Tank in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (Kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	11-Jan-24	7	150	8033	2.38	575.0	260.5	296.7
2			150	7990	2.37	723.0	327.5	
3			150	8006	2.37	667.0	302.2	

MODES OF FAILURE AS PER BS 1881 - Part 116 : 1983

118.7	النسبة

Satisfactory

Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for moist specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	[signature]

Al Sakr
مؤسسة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116/1983AMD 6097:1989, 6728:1991

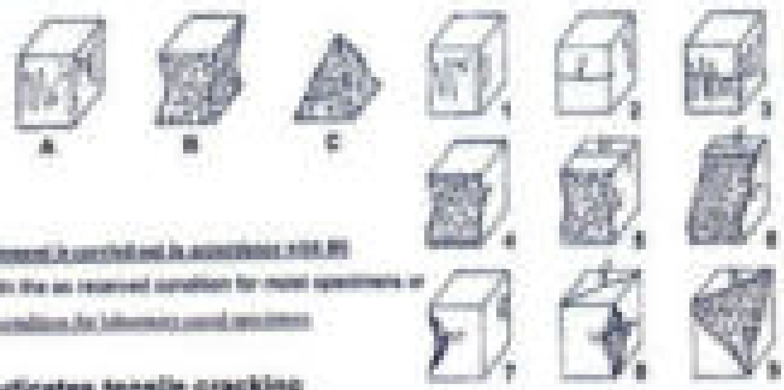
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	st 500+158.5-500+141.5 (L-S-R1) / st 500+327.5-500+350.5 (L-S-R2)		
DATE OF CASTING	4-Jan-2024	SPECIFIED STRENGTH :	250 Kg/cm^2
POURED QUANTITY	m^3	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m^3)	Failure Load (kN)	Comp. Strength Kg/cm^2	Average kg/cm^2
1	1-Feb-24	28	150	8145	2.41	818.0	378.6	390.3
2			150	8140	2.41	895.0	400.9	
3			150	8149	2.41	882.0	399.8	

156.1	النسبة

MODES OF FAILURE AS PER BS 1881 - Part 116 : 1983

Satisfactory | Unsatisfactory



Remarks :

Results assessment is carried out in accordance with BS 1881 Part 116 in the as received condition for most specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	[signature]

AL Sakr
الخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	at 500+198.5-500+141.5 (L-S-B2) / at 500+127.5-500+100.5 (L-S-B2) [illegible]		
DATE OF CASTING	4-Jan-2024	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	1-Feb-24	28	150	8145	2.41	739.0	334.8	376.0
2			150	8140	2.41	758.0	343.4	
3			150	8169	2.41	903.0	409.8	

150.4	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

Results measurement is carried out in accordance with BS 1881 Part 116 in the as received condition for [illegible] specimens or in the [illegible] condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mohamed	Ahmed Adel	AMR ATEF
M. Mohamed	Ahmed Adel	[signature]

(52)

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

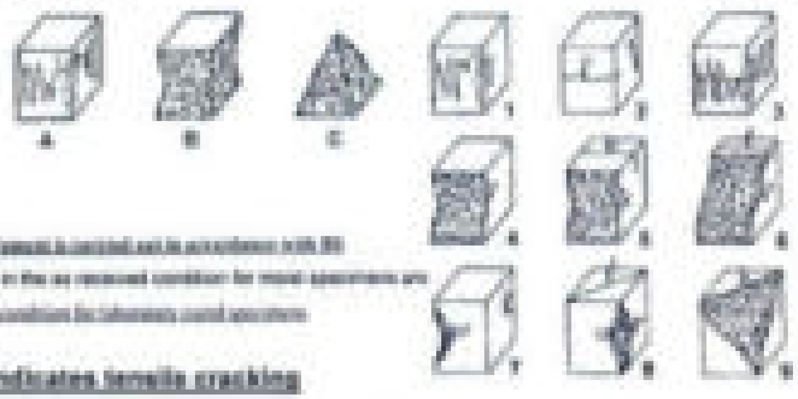
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 310 KG - OPC	
STATION :	st 508+201.3-508+144.5 L-9 Beam 3		
DATE OF CASTING	6-Jan-2024	SPECIFIED STRENGTH : 250 Kg/cm²	
POURED QUANTITY		m³	NO. OF CUBES MADE : 6
CONCRETE SLUMP		Cm	
TARGET SLUMP		Cm	TYPE OF CURING : Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	13-Jan-24	7	150	8081	2.37	656.0	297.2	283.7
2			150	7983	2.37	625.0	283.1	
3			150	8027	2.38	598.0	270.9	

113.5	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks:

Density measurement is carried out in accordance with BS 1881: Part 114 in the as received condition for moist specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QA MANAGER
m. mohamed	Ahmed Adel	AMR AREF
m. mohamed	Ahmed Adel	[signature]

55 54

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

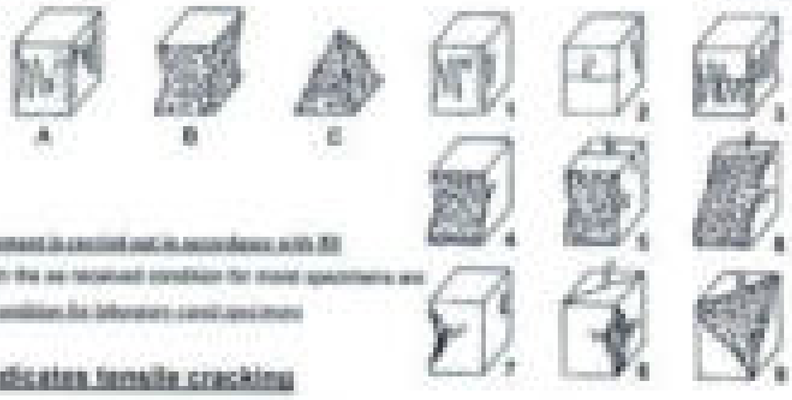
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	st 500+138.5-500+131.5 L-S&st 500+387.5-500+158.5 L-S	Sara 2	
DATE OF CASTING	6-Jan-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

n. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	13-Jan-24	7	150	8036	2.38	648.0	293.5	288.4
2			150	8049	2.38	650.0	294.5	
3			150	8012	2.37	612.0	277.2	

MODES OF FAILURE AS PER BS 1881 - Part 116 : 1983 | 115.4 | النسبة

Satisfactory | Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for cored specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2kN/S to 8.4 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m-mahmoud	Ahmed Ali	AMR ATEF
m-mahmoud	Ahmed Ali	

Al Sakr
معمل الدكتور 2
خرسانة جاهزة

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	st 508+201.5-508+144.5 L-R Pier-2		
DATE OF CASTING	6-Jan-2024	SPECIFIED STRENGTH :	350 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

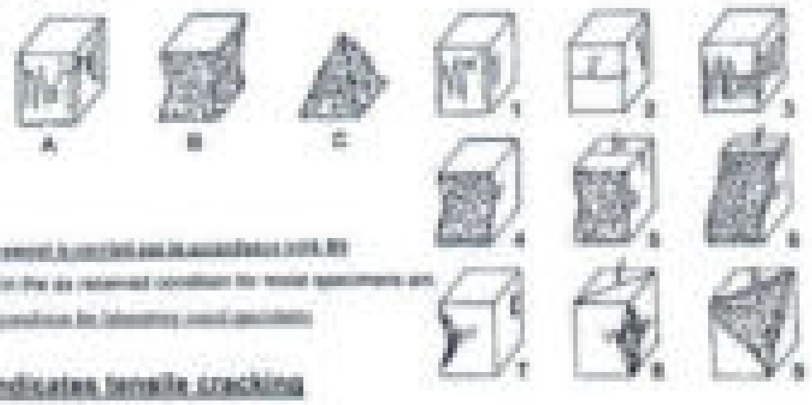
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	3-Feb-24	28	150	7986	2.37	858.8	376.0	371.3
2			150	8050	2.39	854.8	386.9	
3			150	7994	2.37	778.0	351.1	

148.5	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

- Satisfactory

Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the [illegible] condition for [illegible] specimens and in the [illegible] condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 6.3kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
m. mahmoud	Ahmed Adel	
m. mahmoud	Ahmed Adel	[signature / stamp: AMR AFET]

ALSakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

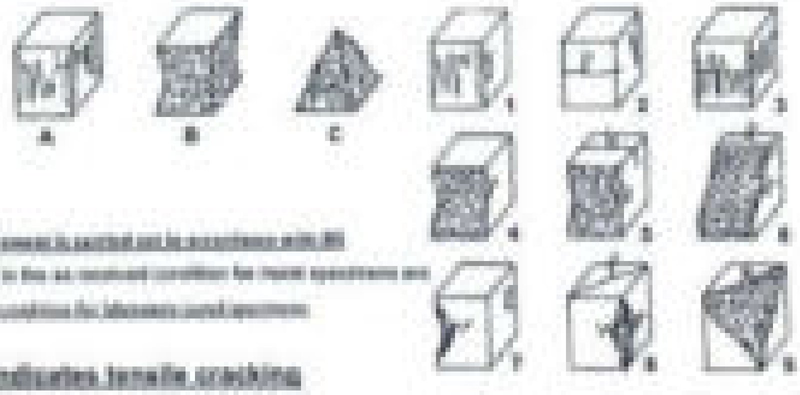
PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type 510	KG - OPC
STATION :	[illegible]	[illegible] L-S B2		
DATE OF CASTING	6-Jan-2024		SPECIFIED STRENGTH : 250	Kg/cm^2
POURED QUANTITY		m^3	NO. OF CUBES MADE : 6	
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m^3)	Failure Load (kN)	Comp. Strength Kg/cm^2	Average kg/cm^2
1	3-Feb-24	28	150	7958	2.36	817.0	370.1	369.2
2			150	7986	2.37	858.0	388.7	
3			150	7958	2.36	770.0	348.8	

147.7	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 is the as received condition for insitu specimens and in the saturated condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m.mahmoud	Ahmed Adel	AMR ATEF
m.mahmoud	Ahmed Adel	

Al Sakr
معمل الخرسانة
الخرسانة الجاهزة

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION		
Customer	EGY CONTRAC	Cement Content/Type	350	KG - OPC
STATION :	at 508+445-508+458 L-D			
DATE OF CASTING	14-Jan-2024	SPECIFIED STRENGTH :	250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP	Cm			
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water	

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	21-Jan-24	7	150	7917	2.35	733.0	332.0	310.5
2			150	8001	2.37	646.0	292.6	
3			150	7955	2.36	677.0	306.7	

124.2	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881: Part 114 in the as received condition for cored specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.0kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m mahmoud	Ahmed Abd	AMR ATEF
m mahmoud	Ahmed Abd	[signature]

Al Sakr
معمل الصقر 2

Al Sakr
الصقر للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		
Customer	EGY CONTRAC	STATION	
STATION :		Cement Content/Type	310 KG - OPC
DATE OF CASTING	14-Jan-2024	[illegible] 1 - 0	
POURED QUANTITY		PRESCRIBED STRENGTH :	250 Kg/cm²
CONCRETE SLUMP	m^3	NO OF CUBES MADE :	6
TARGET SLUMP	Cm		
	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	11-Feb-24	28	150	8217	2.43	818.0	370.6	390.3
2			150	8174	2.42	885.0	400.9	
3			150	8061	2.39	882.0	399.5	

MODES OF FAILURE AS PER BS 1881 - Part 116 - 1983 | 156.1 | النسبة

Satisfactory — Unsatisfactory

Remarks

Density measurement is carried out in accordance with BS 1881: Part 114 in the as received condition for most specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible] KN/S to [illegible] KN/S at ([illegible] KN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. mahmoud	Ahmed Abd	[illegible]
M. mahmoud	Ahmed Abd	[illegible]

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

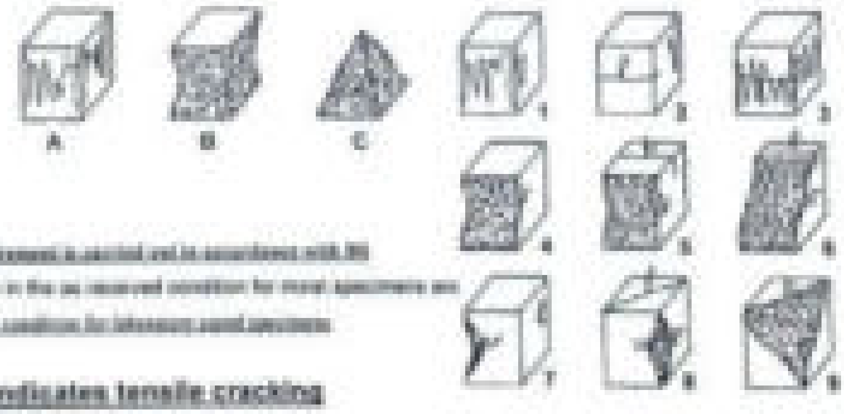
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	st 500+285.5-500+281.5 L-S-B2		
DATE OF CASTING	15-Jun-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	22-Jun-24	7	150	8860	2.39	575.0	260.5	296.7
2			150	8335	2.47	723.0	327.5	
3			150	8141	2.41	667.0	302.2	

118.7	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for most specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 5.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
m. mahmoud	Ahmed Abdel	
m. mahmoud	Ahmd Ali	

AL Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	[illegible] 5.000+201.5 1.5		
DATE OF CASTING	15-Jan-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

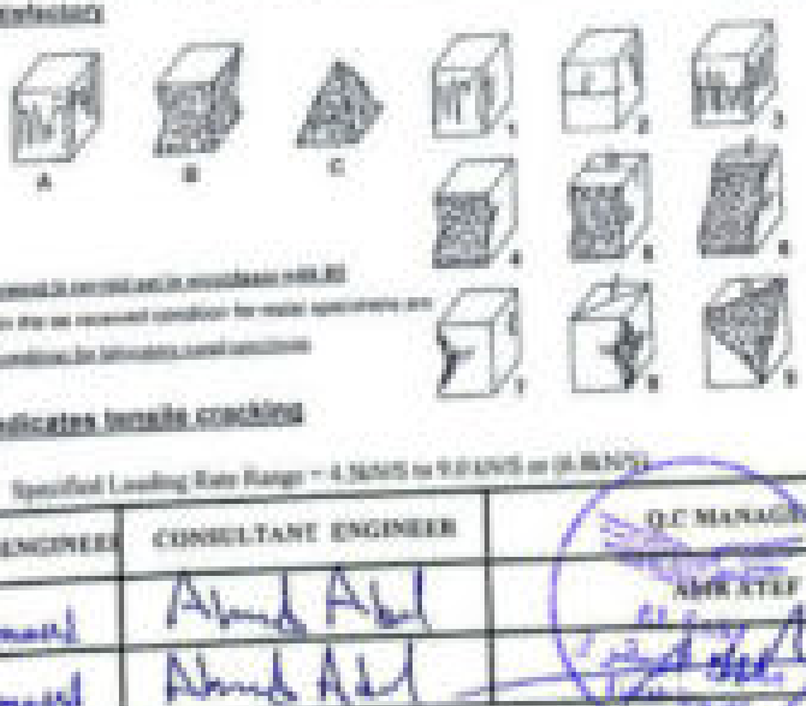
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	12-Feb-24	28	150	8004	2.37	816.0	369.6	374.0
2			150	8024	2.38	863.0	390.9	
3			150	7998	2.37	798.0	361.5	

149.6	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory

Unsatisfactory



Remarks :

Results [illegible] carried out in accordance with BS 1881 Part 116 is [illegible] condition for [illegible] specimens are [illegible] for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF
m. mahmoud	Ahmed Adel	
m. mahmoud	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

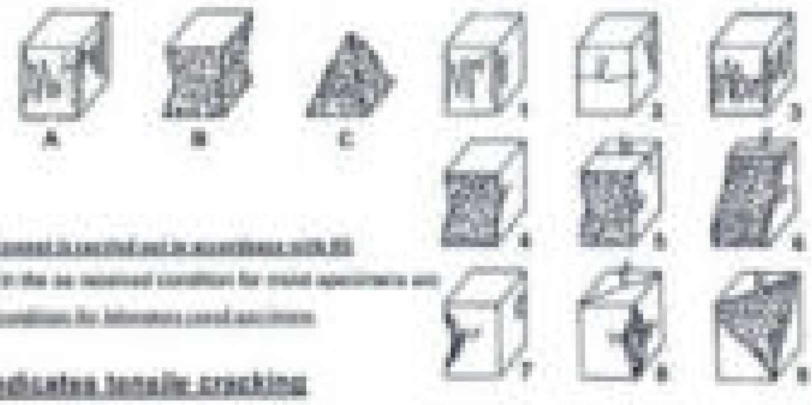
DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type 310	KG - OPC
STATION :	st 500+103.5 - 500+118.5 L-D R 2 / st 500+204.5 - 500+297.5 L-D R 1			
DATE OF CASTING	16-Jan-2024		SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	23-Jan-24	7	150	8075	2.39	664.0	300.8	293.5
2			150	7938	2.35	644.0	291.7	
3			150	7989	2.37	636.0	288.1	

MODES OF FAILURE AS PER BS 1881 - Part 116 - 1983 | 117.4 | النسبة

Satisfactory | Unsatisfactory



Remarks:

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for site specimens and in the saturated condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mahmoud	Ahmed Ashraf	AMR ATEF
m. mahmoud	Ahmed Ashraf	

AL Sakr
معمل المصنع
للخرسانة الجاهزة

(57) (58)

AL Sakr

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

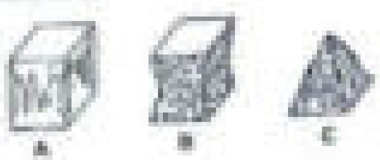
PROJECT	مشروع القطار السريع	STATION	
Customer	SUV CONTRAC	Cement Content/Type 350	KU - DPC
STATION :	[illegible]		
DATE OF CASTING	16-Jan-2024	SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Soak in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	13-Feb-24	28	150	8216	2.43	819.0	371.8	385.1
2			150	8174	2.42	882.0	399.5	
3			150	8112	2.40	845.0	384.6	

154.0	السبب

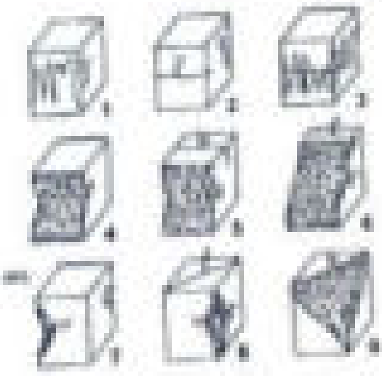
MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory



A B C

Unsatisfactory



1 2 3 4 5 6 7 8 9

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF
m. mahmoud	Ahmed Adel	
m. mahmoud	Ahmed Adel	

AL Sakr

(84) (83)

AL Sakr
المؤسسة الجابر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

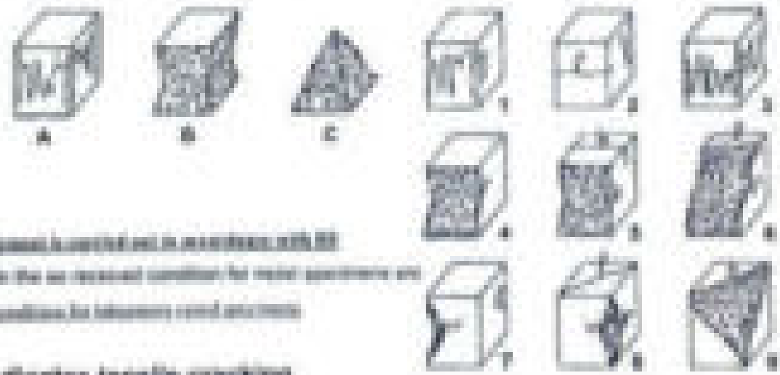
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	at 500+395.5 - 500+444.5 L-E B2 / at 500+375.5 - 500+390.5 L-D B2		
DATE OF CASTING	20-Jun-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Bath in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	27-Jun-24	7	150	8010	2.37	686.0	310.8	309.6
2			150	8055	2.39	679.0	307.6	
3			150	8040	2.38	685.0	310.3	

123.8	النسبة

MODES OF FAILURE AS PER BS 1881 - Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for site specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2 kN/S to 0.4 kN/S or (6.8 kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mahmoud	Ahmed Adel	AMR ATEF
m. mahmoud	Ahmed Adel	

معمل الاختبار
المؤسسة الجابر

Al Sakr

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116/FREIAND 6097:1989, 6720:1991

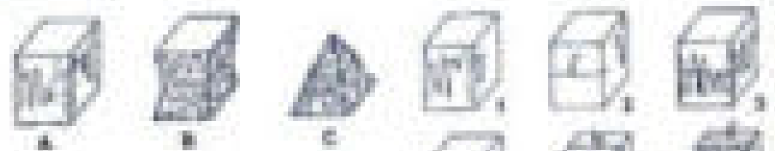
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	[illegible]
STATION :	[illegible] L-R B1 / [illegible] L-R B2		
DATE OF CASTING	20-Jan-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Soak in water

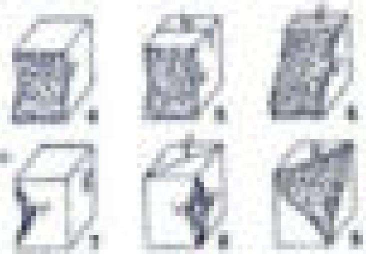
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	17-Feb-24	28	150	7728	2.29	727.0	329.3	369.6
2			150	7809	2.31	846.0	383.2	
3			150	7846	2.32	875.0	396.4	

147.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory





Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2kN/S to 0.4 kN/S or (0.3kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m-mahmoud	Ahmed Adel	AMR ATEF
m-mahmoud	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AND 6097:1989, 6720:1991

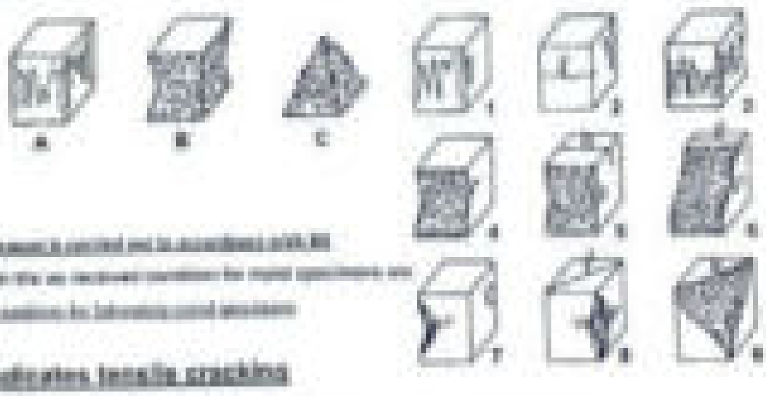
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION	[illegible] L-4 B1		
DATE OF CASTING	21-Jan-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	28-Jan-24	7	150	7903	2.34	678.0	307.1	292.0
2			150	7964	2.36	643.8	291.7	
3			150	7959	2.36	612.0	277.2	

116.8	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks : [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mahmoud	Ahmed Adel	[illegible] ATEF
m. mahmoud	Ahmed Adel	Al Sakr

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6697:1988, 6720:1991

PROJECT	مشروع القطر السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 350	KG - OPC
STATION	e:500+420-500+435 (L-S-R1)		
DATE OF CASTING	21-Jan-2024	REQUIRED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	18-Feb-24	28	150	7866	2.33	883.0	399.5	371.1
2			150	7988	2.37	784.0	318.9	
3			150	7923	2.34	878.0	397.7	

148.8	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

Results are correct ... in accordance with BS 1881 Part 116 ... received condition ... specimens ... condition ...

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2(kN/S to 8.4 kN/S) or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mohamed	Ahmed Abd	AMR ATEF
M. Mohamed	Ahmed Abd	

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	st 508+482.5 - 508+447.5 L-D 82 / st 508+398.5 - 508+395.5 L-D 81 st 508+438.0 - 508+447.5 L-D 81		
DATE OF CASTING	22-Jan-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	29-Jan-24	7	150	8069	2.39	585.0	265.0	259.1
2			150	8055	2.39	570.0	258.3	
3			150	8029	2.38	561.0	254.1	

103.6	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for ... specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
m. mohamed	Ahmed Adel	
m. mohamed	Ahmed Adel	

Al Saker
الساكر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AND 6097:1985, 6720:1991

PROJECT	مشروع الجسر الشرقي		STATION		
Customar	EGY CONTRAC		Concrete Content/Type	310	KG / OPC
STATION	at 500+450.5 - 500+483.8 L-S B3 / at 500+483.8 - 500+464.8 L-S B 1				
DATE OF CASTING	22-Jan-2024		DESIGN STRENGTH :	350	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING :	Soak in water	

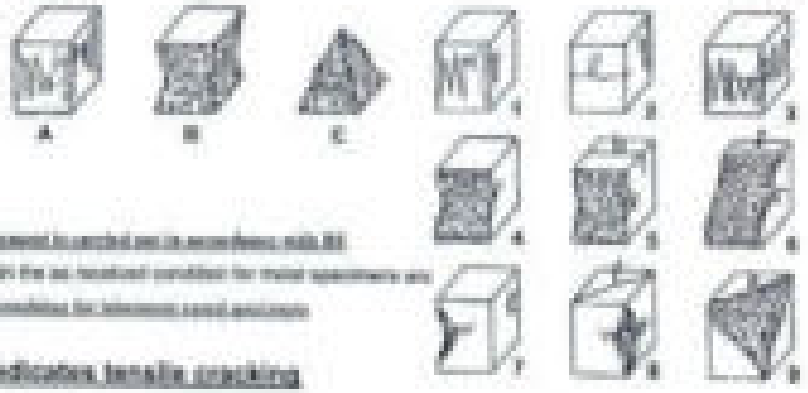
S. Of cu	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	29-Jan-24	7	150	8090	2.40	900.0	366.4	361.4
2			150	8169	2.40	880.0	362.7	
3			150	8077	2.39	863.0	355.8	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

104.6

Satisfactory

Unsatisfactory



Remarks :

Results assessment in carried out in accordance with BS 1881 Part 116 in the as received condition for moist specimens are to the required condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.5kN/S to 9.0 kN/S or (0.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud		AMR ATEF
M. Mahmoud		

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	[illegible]		
DATE OF CASTING	22-Jan-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	19-Feb-24	28	150	8307	2.46	924.0	418.6	407.2
2			150	8180	2.42	868.0	393.2	
3			150	8135	2.41	905.0	410.0	

162.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881 (Part 114) in the as received condition for visual specimens and in the saturated condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mahmoud	Ahmad Ali	AMR ATEF
m. mahmoud	Ahmad Ali	

(69) (70)

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AND 6097:1980, 4720:1991

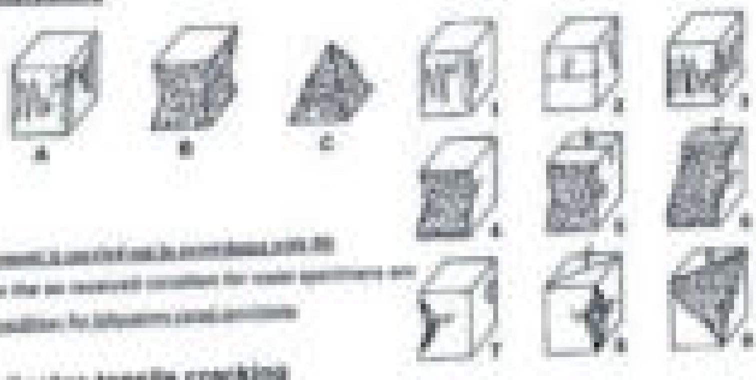
PROJECT	مشروع القطر السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG : OPC
STATION :	[illegible]		
DATE OF CASTING	22-Jan-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	19-Feb-24	28	150	8120	2.40	866.0	392.2	391.8
2			150	8095	2.40	879.0	398.2	
3			150	8056	2.39	868.0	393.2	

156.6	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C.MANAGER
		AMR ATEF
m. mohamed	Ahmed Ali	
m. mohamed	Ahmed Ali	

Al Saker
الشركة الساكر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

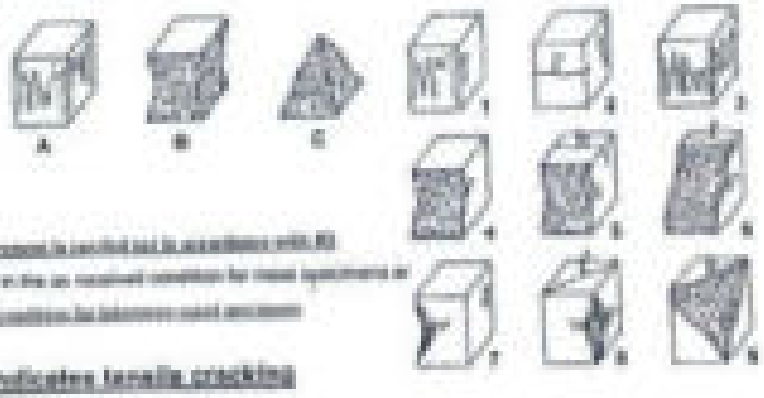
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6735:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Concrete Grade/Type	350 RG - OPC
STATION	at 508+650 - 508+701 L-S-B1 / at 508+429 - 508+432 L-D-B1		
DATE OF CASTING	23-Jan-2024	SPECIFIED STRENGTH	350 Kg/cm²
POURED QUANTITY	m³	No. OF CUBES MADE	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING	Soak in water

S. No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (Kg)	Density (Kg/m³)	Failure Load (KN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	30-Jan-24	7	150	7963	2.36	699.0	316.4	308.5
2			150	8045	2.38	701.6	317.6	
3			150	8071	2.39	643.8	291.3	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 — 123.4 النسبه

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881-Part 114 in the as received condition for mass specimens as in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.3kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M.Mahmoud	Ahmed Adel	ASHRAFF
M. Mahmoud	Ahmed Adel	

Al Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AND 6097:1988, 6720:1991

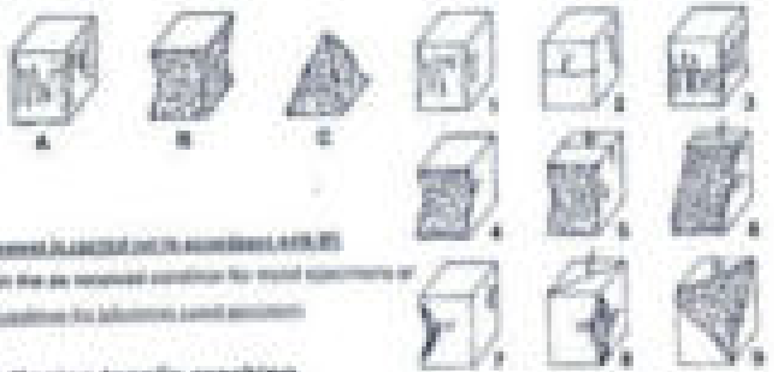
PROJECT	مشروع القطر السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	310 KG - OPC
STATION :	ك 500+430 - 500+701 L-S-R1 / ك 500+429 - 500+632 L-D-R1			
DATE OF CASTING	23-Jan-2024		POSITED STRENGTH :	250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

[illegible] Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (KN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	20-Feb-24	28	150	8020	2.38	896.0	387.8	391.8
2			150	7920	2.35	823.0	372.8	
3			150	8015	2.37	936.0	414.9	

156.7	النسب

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory Unsatisfactory



Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2kN/S to 0.4 kN/S or (0.3kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M.Mohamed	Ahmed Adel	AMR ATEF
M.Mohamed	Ahmed Adel	

AL Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

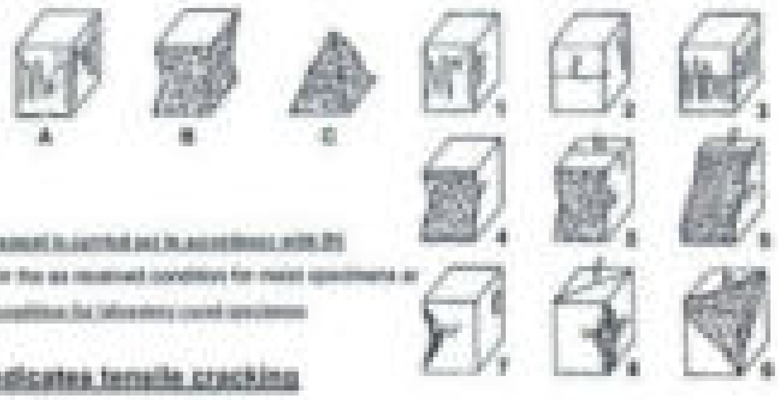
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	st 500+435 - 500+480 L-D-01 / st 500+704 - 500+725 L-D-R		
DATE OF CASTING	24-Jun-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	31-Jun-24	7	150	7994	2.37	639.0	289.5	279.5
2			150	8014	2.38	600.0	271.8	
3			150	8077	2.39	612.0	277.2	

111.8	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory **Unsatisfactory**



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for [illegible] specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M.Mohmed	Ahmed Adel	AMR ATEF
M.Mohmed	Ahmed Adel	[signature]

Al Saker
الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

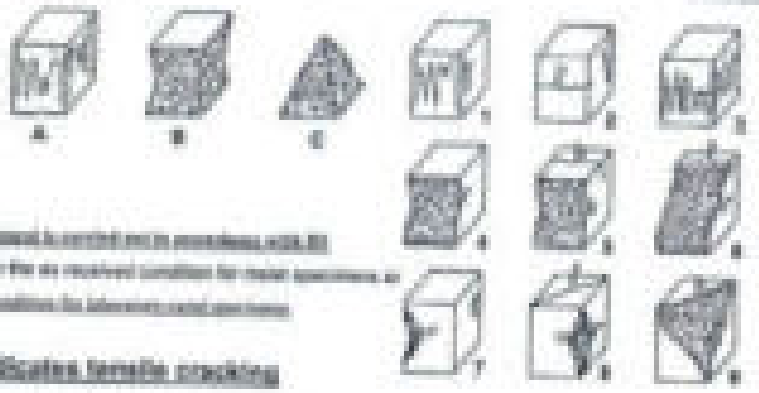
PROJECT		STATION	
Customer	EG-CONTRAC	Cement Content/Type 310 RG - OPC	
STATION			
DATE OF CASTING	31-Jan-2024	DESIRED STRENGTH : 250 Kg/cm²	
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING : Soak in water	

S. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	7-Jun-24	7	150	8057	2.39	760.8	338.4	336.2
2			150	8025	2.38	694.8	308.8	
3			150	8088	2.37	695.0	314.8	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 — 126.5 kg/cm²

Satisfactory

Unsatisfactory



Remarks :

Tensile strength is carried out in accordance with BS 1881 Part 116 in the as received condition for cubes specimens, as in the saturated condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2kN/S to 0.4 kN/S or (0.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	

Al Saker
الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1993

PROJECT	مشروع نفق السرو		STATION		
Customer	EGY CONTRAC		Cement Content/Type	310	KG - OPC
STATION	st 500+635 - 500+688 L/S-R1 / st 500+704 - 500+725 L/S-R 1				
DATE OF CASTING	26-Jan-2024		DESIGN STRENGTH	250	Kg/cm²
REQUIRED QUANTITY		m^3	No. OF CUBES MADE	6	
CONCRETE SUPPLIED		Cm			
TARGET SLUMP		Cm	TYPE OF CURING	Soft in water	

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	21-Feb-24	28	150	8512	2.46	887.0	401.8	368.9
2			150	8330	2.47	761.0	335.7	
3			150	8271	2.48	815.0	369.2	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

147.6 النسبه

Unsatisfactory

Satisfactory

Remarks:

Specific measurement is carried out in accordance with BS

1881 (Part 116 in the as received condition for mixed specimens as

in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.03N/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. Mahmoud	Ahmed Adel	ASSURATEP
M. Mahmoud	Ahmed Adel	

AL Sakr

الصقر لمسابك الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AND 6097:1988, 4720:1991

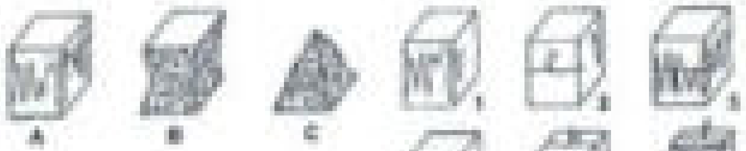
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	(500+615 - 500+680 L-D-R1 / (at 500+704 - 500+725 L-D-R)		
DATE OF CASTING	24-Jan-2024	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Bath in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	21-Feb-24	28	150	8145	2.41	814.0	368.7	382.3
2			150	8115	2.40	857.0	388.2	
3			150	8075	2.39	861.0	390.0	

152.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for cured specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M.Mahmoud	Ahmed Adel	EMR ATEF
M.Mahmoud	Ahmed Adel	(signature, stamp)

(76)

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

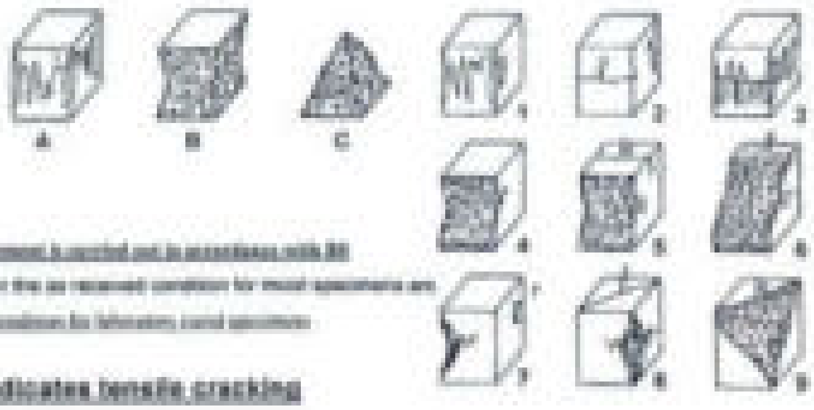
PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	310 KG - OPC
STATION :	حب من 508 - 718 الى 508 - 683 الاتجاه الايسر L.O.L			
DATE OF CASTING	25-Jan-2024		SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	1-Feb-24	7	150	8149	2.41	731.0	331.1	320.1
2			150	8139	2.41	724.0	328.0	
3			150	8050	2.39	665.0	301.2	

128.0	النسبة

MODES OF FAILURE AS PER BS 1881 - Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks:

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for most specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.8kN/S to 9.6 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mahmoud	Ahmed Adel	
m. mahmoud	Ahmed Adel	

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	L.D.R		
DATE OF CASTING	25-Jan-2024	SPECIFIED STRENGTH :	350 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

n. Of cu	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	22-Feb-24	28	150	8140	2.41	877.0	397.3	406.2
2			150	8100	2.40	902.0	408.6	
3			150	8100	2.40	911.0	412.7	

182.5	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for mold specimens and in the saturated condition for (...) cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mahmoud	Ahmed Adel	AMR ATEF
m. mahmoud	Ahmed Adel	

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	من 508+711 الي 508+721 L.O.9		
DATE OF CASTING	27-Jan-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	3-Feb-24	7	150	8000	2.37	602.0	273.2	280.0
2			150	7996	2.37	631.0	285.8	
3			150	8040	2.38	620.0	280.9	

112.0	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for most specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m.mohmed	Ahmed Abd	
m.mohmed	Ahmed Abd	

Al Saker

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 – Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	310	KG / OPC
STATION :					
DATE OF CASTING	27-Jan-2024		DESIGN STRENGTH :	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water	

S. Of cu	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	24-Feb-24	28	150	8098	2.40	876.0	396.8	383.4
2			150	8168	2.42	819.0	371.0	
3			150	8128	2.41	844.0	382.3	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 153.4 | النسبه

Satisfactory

Unsatisfactory

Remarks :

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.3kN/S to 0.6 kN/S or (0.3kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. mahmoud		
M. mahmoud		

Al Sakr

الصقر للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

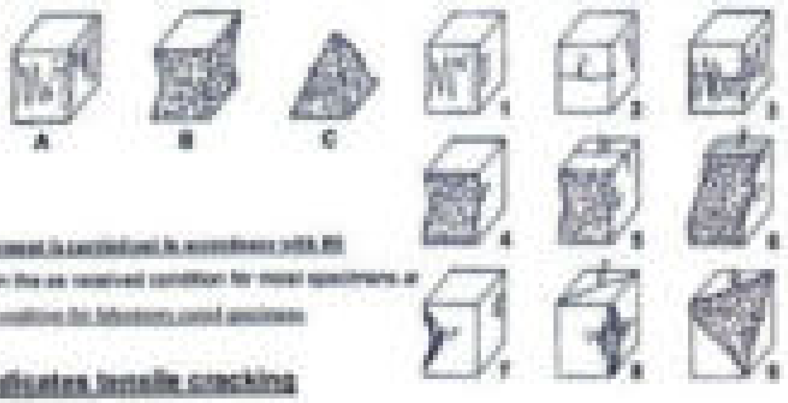
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type: 310	KG - OPC
STATION :	st.507+447 to 507+552 (L.S.R1)		
DATE OF CASTING	28-Jan-2024	SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	4-Feb-24	7	150	8040	2.38	592.0	268.2	269.2
2			150	7950	2.36	599.0	271.3	
3			150	7984	2.37	592.0	268.2	

107.7	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Results assessment is carried out in accordance with BS [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
mohamed mohamed	Ahmed Adel	AMR ATEF
mohamed mohamed	Ahmed Adel	[signature]

AL Saker
شركة الساكر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Typ:	318	KG - OPC
STATION :	at 607+447 to 587+882 (L.S.RT)				
DATE OF CASTING	28-Jan-2024		DESIGNED STRENGTH :	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water	

S. No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) A	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	4-Feb-24	7	150	8048	2.38	605.8	274.1	301.1
2			150	7958	2.36	694.8	314.4	
3			150	7984	2.37	695.8	314.8	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 — 120.4 النسبه

Satisfactory — Unsatisfactory

Remarks :

Strength measurement is carried out in accordance with BS

1881: Part 116 in the as received condition for moist specimens or

in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
mahmoud mahmoud	Ahmed Adel	AMR ATEF
mahmoud mahmoud	Ahmed Adel	

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6097:1989, 6720:1991

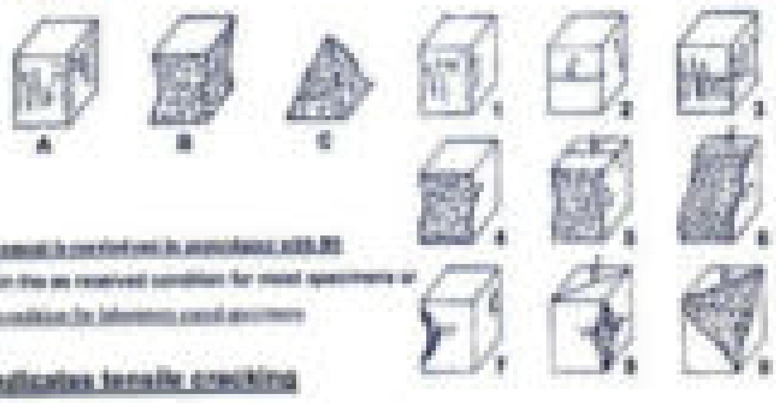
PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type 350	KG - OPC
STATION :	st.097+447 to 097+852 (L.A.R1)			
DATE OF CASTING	28-Jan-2024		SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	25-Feb-24	28	150	7890	2.34	815.0	369.2	368.0
2			150	7933	2.35	886.0	401.4	
3			150	7980	2.36	736.0	333.4	

147.2	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for most specimens or in the saturated condition for laboratory cured specimens

Note : 'T' indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.8kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
mohamed mohamed	Ahmed Adel	AMR ATEF
mohamed	Ahmed Adel	

Al Sakr للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	st.507+447 to 507+552 (L.A.B1)		
DATE OF CASTING	28-Jan-2024	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/cm³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	25-Feb-24	28	150	7890	2.34	814.0	368.7	382.3
2			150	7933	2.35	857.0	388.2	
3			150	7950	2.36	861.0	390.0	

152.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881-Part 114 in the as received condition for stored specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2N/S to 0.4 (N/S or (0.4kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
mohamed mahmoud	Ahmed Adel	AMR ATEF
mohamed mahmoud	Ahmed Adel	[signature, stamp]

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

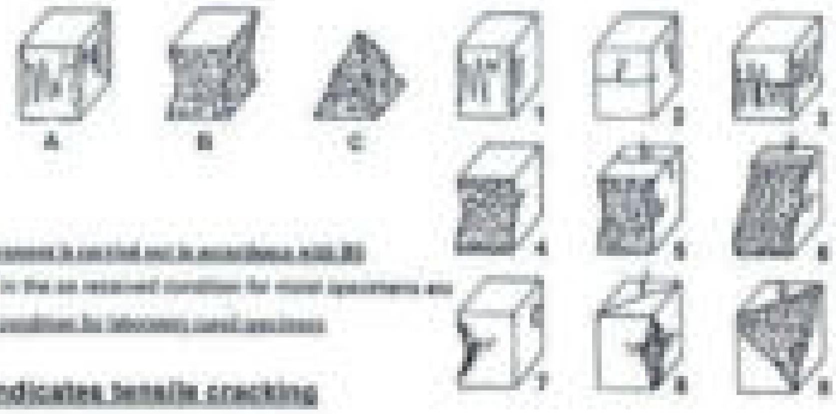
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6730:1991

PROJECT	مشروع [illegible]	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	[illegible] 1.0		
DATE OF CASTING	30-Jan-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight ([illegible])	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	6-Feb-24	7	150	8109	2.40	907.0	410.9	397.0
2			150	8076	2.39	893.0	404.5	
3			150	8123	2.41	829.0	375.5	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 158.8 | النسبة

Satisfactory — Unsatisfactory



Remarks:

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for cored specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AL SAKR

79

AL Sakr

الصقر للتجارة والمقاولات

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

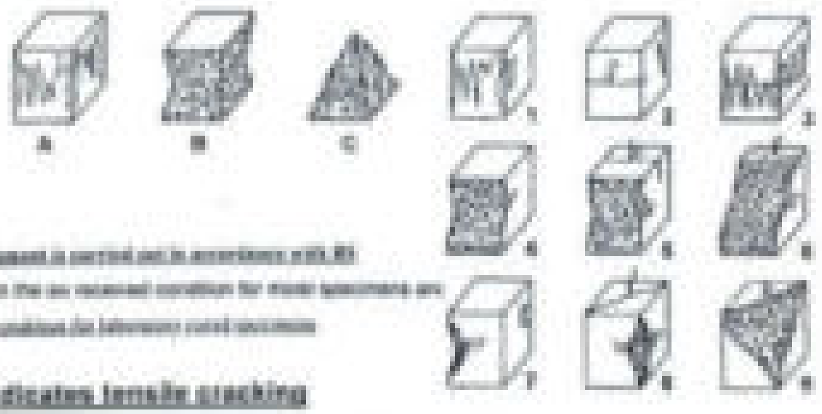
PROJECT	مشروع القطار السريع		
Customer	EGY CONTRAC	STATION	
STATION :		Cement Content/Type 318 KG - OPC	
	510+507 كم 545+507 LD		
DATE OF CASTING	30-Jan-2024	SPECIFIED STRENGTH : 250 Kg/cm²	
POURED QUANTITY		m³	NO. OF CUBES MADE : 6
CONCRETE SLUMP		Cm	
TARGET SLUMP		Cm	TYPE OF CURING : Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	27-Feb-24	28	150	7966	2.36	741.0	335.7	368.9
2			150	8032	2.38	887.0	401.8	
3			150	7979	2.36	815.0	369.2	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

147.6	النسبه

Satisfactory — Unsatisfactory



Remarks :

Results assessment is carried out in accordance with BS 1881 Part 116 in the as received condition for mould specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.56kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
(signature)	(signature)	AHB ATEF
(signature)	(signature)	(signature, stamp)

Al Saker
الساكر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983,AMD 6897:1988, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	350	KG - OPC
STATION :	st 507+399 to 507+444 L-S-B1 / st 507+448 to 507+507 L-D-B1				
DATE OF CASTING	31-Jan-2024		SPECIFIED STRENGTH :	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING :	Safe in water	

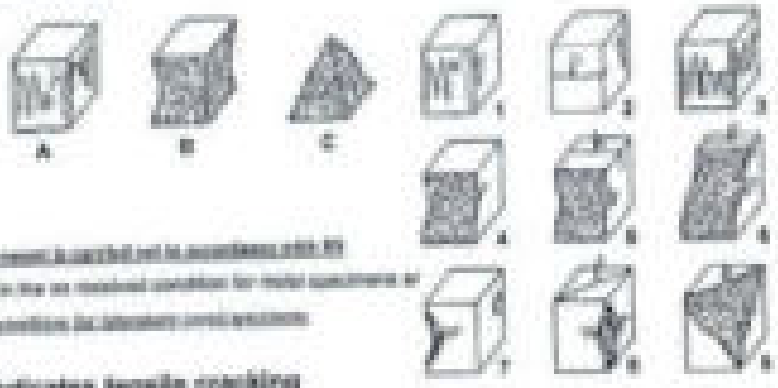
s. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm) A	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	7-Feb-24	7	150	8000	2.37	475.0	216.2	201.9
2			150	7997	2.37	742.0	186.1	
3			150	7978	2.36	688.0	204.5	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

112.8 النسبه

Satisfactory

Unsatisfactory



Remarks :

Results above were carried out in accordance with BS

with Part 116 in the as received condition for moist specimens or

in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2kN/S to 0.4 kN/S or (0.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	

AL Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

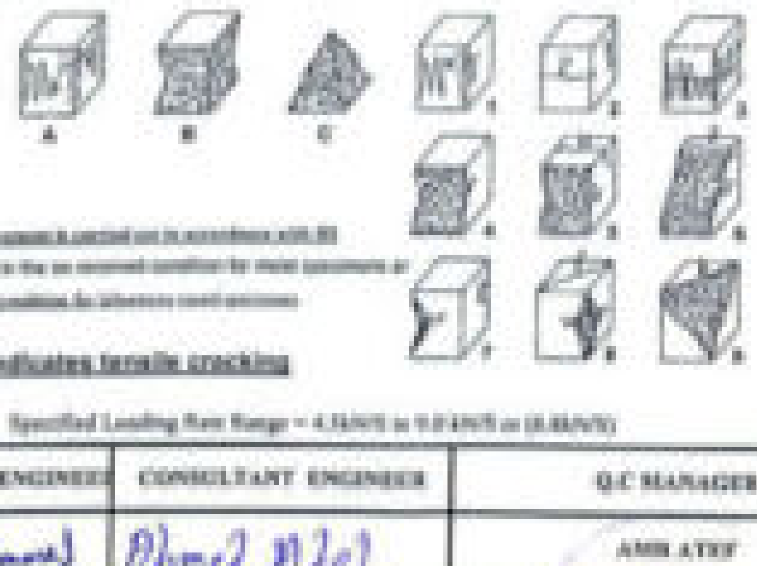
PROJECT	مشروع القطار السريع			
Customer	EGY CONTRAC		STATION	
STATION :			Cement Content/Type 310 KG - OPC	
	st 507+300 to 507+444 L-8-B1 / st 507+468 to 507+507 L-8-B1			
DATE OF CASTING	31-Jan-2024		REQUIRED STRENGTH : 350 Kg/cm²	
POURED QUANTITY		m³	No. OF CUBES MADE : 6	
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING : Sub in water	

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	28-Feb-24	28	150	8330	2.47	812.0	367.8	411.5
2			150	8271	2.45	929.0	409.8	
3			150	8097	2.40	988.0	447.6	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

104.6	النسبة

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881:Part 114 in the as received condition for these specimens or in the saturated condition for otherwise cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mohamed	Ahmed Adel	AMR ATEF
M. Mohamed	Ahmed Adel	

Al Sakr
الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983,AND 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION	
Contractor	EGY CONTRAC		Concrete Content/Type	310 RG - 50PC
STATION				
DATE OF CASTING	1-Feb-2024		DESIGN STRENGTH	350 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE	9
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING	Split in water

No. Of cubes	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	8-Feb-24	7	150	8135	2.41	697.0	278.4	267.7
2			150	8116	2.42	615.0	278.6	
3			150	8085	2.40	561.0	254.1	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 — 107.1 النسبة

Satisfactory — Unsatisfactory

Remarks :

Strength measurement is carried out in accordance with BS 1881 Part 116 in the as received condition for moist specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.5(N/S to 0.8 (N/S or (0.5(N/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Majed	ANIR ATEF
M. Mahmoud	Ahmed Majed	

Al Sakr
الصقر للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6097:1989, 4728:1993

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	st.507+428 to 507+465 (L.R.B1)		
DATE OF CASTING	1-Feb-2024	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	8
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	29-Feb-24	28	150	8025	2.38	811.0	367.4	382.2
2			150	8040	2.38	858.0	388.7	
3			150	7365	2.18	862.0	390.5	

152.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory

Remarks:
Density measurement is carried out in accordance with BS 1881 (Part 114) in the as received condition for cured specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	[signature]

AL Sakr
الصقر الجاهز

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6897:1989, 6730:1991

PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Concrete Grade/Type	310 KG - OPC
STATION :	at 507+103 to 507+147 (R.S.B1)			
DATE OF CASTING	13-Feb-2024		REQUIRED STRENGTH :	350 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

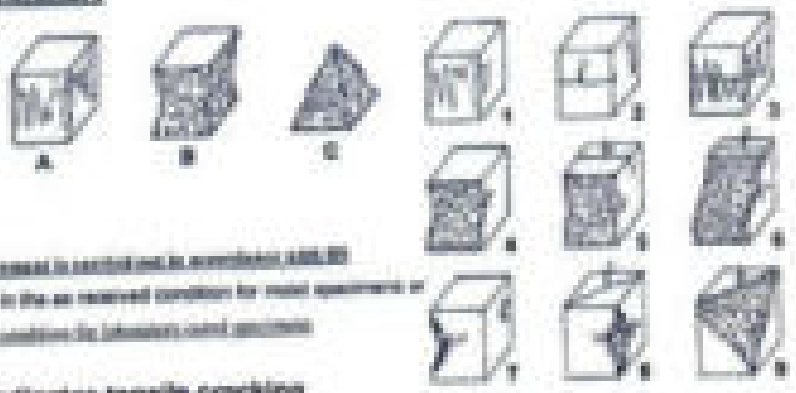
No. Of cubes	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (KN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	20-Feb-24	7	150	8148	2.41	686.0	310.8	305.4
2			150	7949	2.36	679.0	307.6	
3			150	7910	2.34	724.0	328.0	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

126.2 النسبة

Unsatisfactory

Satisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 : Part 114 in the air dried condition for most specimens or in the saturated condition for lightweight aggregate specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.6kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
Mahmoud	Ahmed Adel	AMR ATEF
mahmoud	Ahmed Adel	

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	st.507+182 to 507+147 (B.S.B1)		
DATE OF CASTING	13-Feb-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	12-Mar-24	28	150	8090	2.40	875.0	396.4	394.3
2			150	7955	2.36	867.0	392.8	
3			150	8080	2.39	869.0	393.7	

النسبة 157.7

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory

Unsatisfactory

Remarks : [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.15N/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C.MANAGER
		AMR ATEF
mahmoud	Ahmed Adel	
mahmoud	Ahmed Adel	

AL Sakr للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

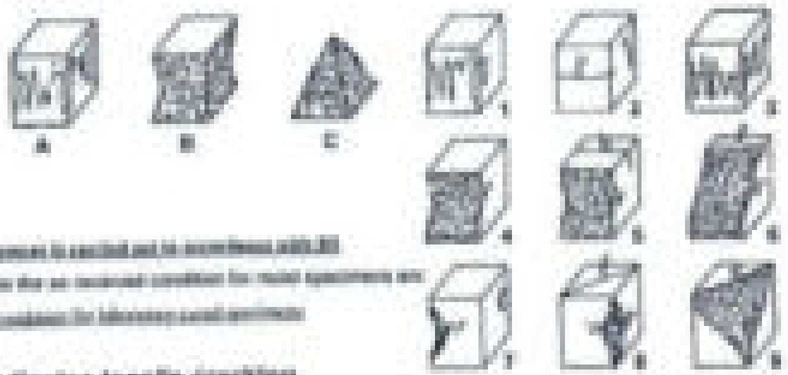
PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	310 KG - OPC
STATION :	ST 507+045.6 - 507+108.0 R.D. B 1			
DATE OF CASTING	14-Feb-2024		SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	21-Feb-24	7	150	8275	2.45	714.0	323.4	297.3
2			150	8055	2.39	639.0	289.5	
3			150	8050	2.39	616.0	279.0	

118.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 6.3kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. Mahmoud	Ahmed Adel	AMR ATEF
m. Mahmoud	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	350	KG - OPC
STATION :	ST 507+045.0 - 507+108.0 R-D R1				
DATE OF CASTING	14-Feb-2024		SPECIFIED STRENGTH :	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water	

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	21-Feb-24	7	150	8030	2.38	621.0	281.3	286.9
2			150	7840	2.32	603.0	273.2	
3			150	7790	2.31	676.0	306.3	

114.8	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 is the as received condition for moist specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 6.3 kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Abd	AMR ATEF
M. Mahmoud	Ahmed Abd	

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

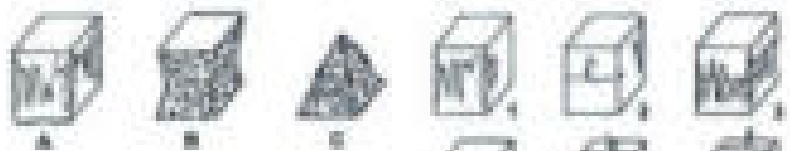
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	318 KG - OPC
STATION :	ST 507+645.0 - 507+108.0 B-D B 1		
DATE OF CASTING	14-Feb-2024	PECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

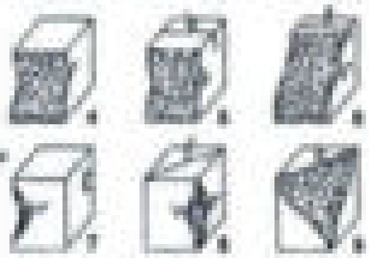
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	13-Mar-24	28	150	8115	2.40	839.0	380.1	371.8
2			150	7970	2.36	815.0	369.2	
3			150	8080	2.39	808.0	366.0	

148.7	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory





Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for cored specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 5.8 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
A. mohamed	Ahmed A21	AMR ATEF
A. mohamed	Ahmed A21	

AL Sakr
الصقر للتجارة
السقر لسالة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

PROJECT			
Customer	مشروع القطار السريع	STATION	
STATION :	EGY CONTRAC	Cement Content/Type	310 KG - OPC
DATE OF CASTING	ST 507+040.0 - 507+100.0 R-D R1		
	14-Feb-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	13-Mar-24	28	150	7750	2.30	764.0	346.1	372.1
2			150	8115	2.40	898.0	406.8	
3			150	8095	2.40	802.0	363.3	

148.8	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory **Unsatisfactory**

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	

Al Sakr
معمل الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	ST 507+111.8 - 507+164.8 R.B R1		
DATE OF CASTING	17-Feb-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	24-Feb-24	7	150	7881	2.34	617.8	279.5	300.0
2			150	7897	2.34	698.8	316.2	
3			150	7929	2.35	672.8	304.4	

120.0	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for stored specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.50kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m.mohamed	Ahmed Adel	AMR ATEF
m.mohamed	Ahmed Adel	Al Sakr

AL Sakr
الصقر
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع			
Customer	EGY CONTRAC		STATION	
STATION :			Cement Content/Type 310 KG - OPC	
DATE OF CASTING			ST 507+150.0 - 507+237.0 B.S. B.1	
POURED QUANTITY	17-Feb-2024	m³	SPECIFIED STRENGTH : 250 Kg/cm²	
CONCRETE SLUMP		Cm	NO. OF CUBES MADE : 6	
TARGET SLUMP		Cm	TYPE OF CURING : Sub in water	

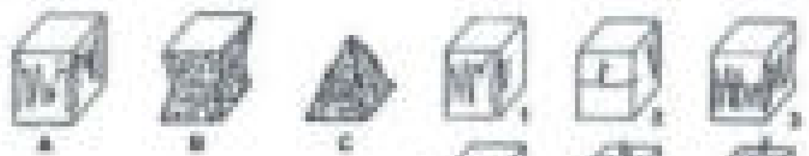
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	24-Feb-24	7	150	7988	2.37	671.0	304.0	309.6
2			150	7963	2.36	704.0	318.9	
3			150	8007	2.37	649.0	294.0	

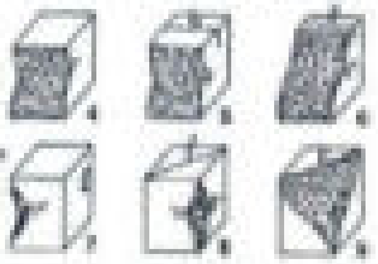
122.2	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory

Unsatisfactory





Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for rapid specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 6.8kN/S to 9.0 kN/S as (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER

AL Sakr
المعامل الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 310	KG - OPC
STATION :	ST 507+121.6 - 507+144.0 R-D R1		
DATE OF CASTING	17-Feb-2024	SPECIFIED STRENGTH : 350	Kg/cm²
POURED QUANTITY	m³	[illegible] : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	[illegible] :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	16-Mar-24	28	150	6960	2.06	841.0	381.0	379.5
2			150	7870	2.33	944.0	427.6	
3			150	7990	2.36	728.0	329.0	

151.8	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory

Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for moist specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mohamed	Ahmed Adel	AMR ATEF
m. mohamed	Ahmed Adel	

AL Sakr
معمل التحاليل
المعامل الجاهزة

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	ST 507+150.0 - 507+237.0 B.S. R.1		
DATE OF CASTING	17-Feb-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	16-Mar-24	28	150	8142	2.41	765.0	346.5	396.4
2			150	7875	2.33	860.0	389.6	
3			150	8105	2.40	1000.0	453.0	

158.6	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m. mahmoud	Ahmed Ali	AMR ATEF
m. mahmoud	Ahmed Ali	

Al Sakr
السقر للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6726:1991

PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type 350 KG - OPC	
STATION :	St:507+394 to 507+423 (L.D.B1) / st:507+315 to 507+372 (L.S.B1) St:507+147 to 507+234 (R.D.B1) / St:507+240 to 507+285 (R.S.B1)			
DATE OF CASTING	18-Feb-2024		REQUIRED STRENGTH : 250 Kg/cm^2	
POURED QUANTITY		m^3	NO. OF CUBES MADE : 6	
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING : Soak in water	

No. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m^3)	Failure Load (kN)	Comp. Strength Kg/cm^2	Average kg/cm^2
1	25-Feb-24	7	150	8096	2.40	693.0	313.9	314.4
2			150	7994	2.37	710.0	321.6	
3			150	8005	2.37	679.0	307.6	

125.8	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for moist specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6097:1988, 6720:1991

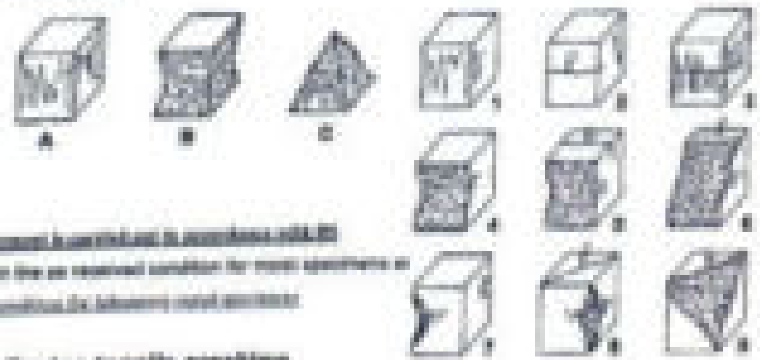
PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	350 KG - OPC
STATION :	St:507+398 to 507+423 (L.B.B1) / st:507+213 to 507+272 (L.S.B1) St:507+147 to 507+234 (R.B.B1) / St:507+240 to 507+285 (R.S.B1)			
DATE OF CASTING	18-Feb-2024		REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	25-Feb-24	7	150	8253	2.45	765.0	337.5	303.1
2			150	7920	2.35	618.0	280.0	
3			150	7840	2.32	644.0	291.7	

121.2	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Results measurement is carried out in accordance with BS 1881 Part 116 in the as received condition for moist specimens or in the saturated condition for submerged cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2N/mm²/S to 0.4 N/mm²/S

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. Mahmoud	Ahmed Adel	AMRATEF
M. Mahmoud	Ahmed Adel	[signature]

Al Sakr للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 4720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type : 350	KG - OPC
STATION :	St.007+394 to 007+423 (L.S.B1) / st.007+315 to 007+372 (L.S.B1) St.007+394 to 007+423 (L.S.B1) / St.007+240 to 007+289 (R.S.B1) St.007+147 to 007+234 (R.S.B1) / St.007+240 to 007+289 (R.S.B1)	REQUIRED STRENGTH : 250	Kg/cm²
DATE OF CASTING	18-Feb-2024	NO. OF CUBES MADE : 6	
POURED QUANTITY	m³		
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (Kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	25-Feb-24	7	150	8252	2.45	724.0	323.4	297.3
2			150	7920	2.35	639.0	289.2	
3			150	7849	2.32	630.0	279.6	

النسبة: 118.9

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

Results accompanied & continued in accordance with BS 1881 Part 116 in the as received condition for cubic specimens at the moisture condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.2-0.4 N/mm²/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C-MANAGER
M. Mabrouk	Ahmed Adel	AMR ATEF
M. Mabrouk	Ahmed Adel	[signature]

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6097:1989, 4720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 350? KG - OPC	
STATION :	St:507+390 to 507+423 (L.S.R1) / st:507+115 to 507+172 (L.S.R1) St:505+147 to 505+230 (R.S.R1) / St:507+240 to 507+285 (R.S.R1)		
DATE OF CASTING	18-Feb-2024	REQUIRED STRENGTH : 250?	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Tank in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	17-Mar-24	28	150	8153	2.42	903.0	409.1	395.8
2			150	8046	2.38	844.0	383.2	
3			150	7991	2.37	873.0	395.0	

158.3	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2 N/mm²/s to 0.4 N/mm²/s

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M.Mahmoud	Ahmed Adel	AMR ATEF
M.Mahmoud	Ahmed Adel	[signature]

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

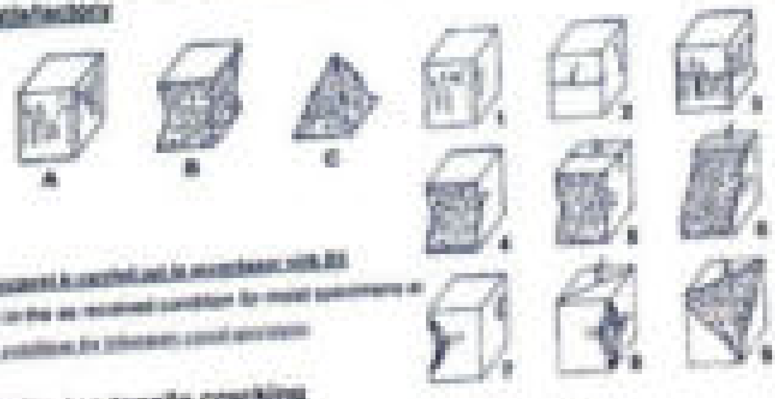
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 350 KG - OPC	
STATION :	St:507+394 to 507+423 (L.D.B1) / st:507+333 to 507+371 (L.S.B1) St:507+147 to 507+234 (R.D.B1) / St:507+248 to 507+285 (R.S.B1)		
DATE OF CASTING	18-Feb-2024	REQUIRED STRENGTH : 250 Kg/cm²	
POURED QUANTITY		m³	NO. OF CUBES MADE : 6
CONCRETE SLUMP		Cm	
TARGET SLUMP		Cm	TYPE OF CURING : Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	17-Mar-24	28	150	8047	2.38	794.0	354.7	387.2
2			150	8077	2.39	893.0	404.1	
3			150	8114	2.40	878.0	397.1	

154.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory



Remarks :
[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.3kN/S to 8.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF
M.Mahmoud	Ahmed Adel	[signature]
M. Mahmoud	Ahmed Adel	

Al Sakr
الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AND 6097:1989, 6728:1991

PROJECT	مشروع نفق السرايا	STATION	
Customer	EGY CONTRAC	Concrete Content/Type 318	KG - OPC
STATION :	Sta:807+396 to 807+425 (L.S.B1) / sta:807+335 to 807+372 (L.S.B1) Sta:807+147 to 807+234 (R.S.B1) / Sta:807+140 to 807+205 (R.S.B1)		
DATE OF CASTING	18-Feb-2024	SPECIFIED STRENGTH : 350	Kg/cm²
POURED QUANTITY	m³	No. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Soak in water

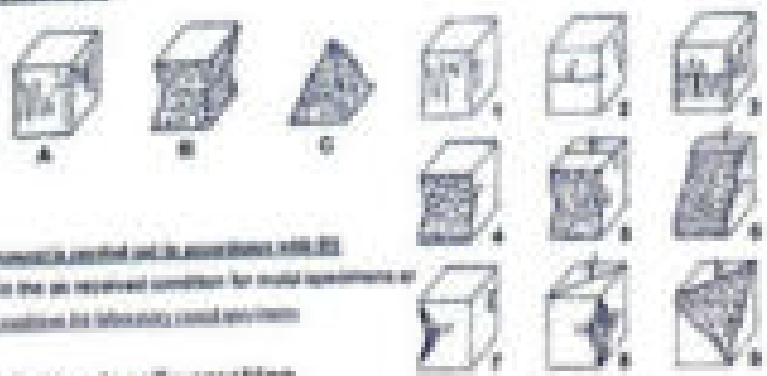
S. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	17-Mar-24	28	150	8096	2.40	839.0	380.1	371.8
2			150	7994	2.37	815.0	369.2	
3			150	8068	2.37	808.0	366.0	

148.7 النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory

Unsatisfactory



Remarks :

[illegible] as received condition for mold specimens as per BS 1881 Part 116 is the as received condition for mold specimens as the observed condition in laboratory could specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. mahmoud	Ahmed Adel	AMR ATEF
M. mahmoud	Ahmed Adel	

93 94

AL Sakr الخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AND 6097:1985, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	ST 507+[illegible]		
DATE OF CASTING	19-Feb-2024	SPECIFIED STRENGTH :	250 Kg/cm^2
POURED QUANTITY	m^3	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m^3)	Failure Load (kN)	Comp. Strength Kg/cm^2	Average kg/cm^2
1	26-Feb-24	7	150	7350	2.18	755.0	342.0	325.6
2			150	7379	2.19	628.0	284.5	
3			150	8155	2.42	773.0	350.3	

130.2	[illegible]

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks:

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER

75 76

Al Sakr
الصقر للتجارة والمقاولات

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

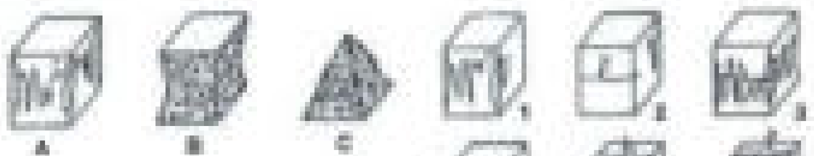
PROJECT	مشروع القطار السريع		STATION	
Customer	ECY CONTRAC		Cement Content/Type 310	KG : OPC
STATION :	L.S ST 507+202-507+312 / 507+360-507+369 L.O			
DATE OF CASTING	19-Feb-2024		SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	26-Feb-24	7	150	8055	2.39	678.0	307.1	320.4
2			150	8065	2.39	799.0	361.9	
3			150	7855	2.33	645.0	292.2	

128.2	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



A B C 1 2 3

4 5 6 7 8 9

Remarks :

Density assessment is carried out in accordance with BS 1881 Part 114 in the as received condition for moist specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
m.mahmoud	Ahmed Adel	AMR ATEF
m.mahmoud	Ahmed Adel	[signature / stamp]

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

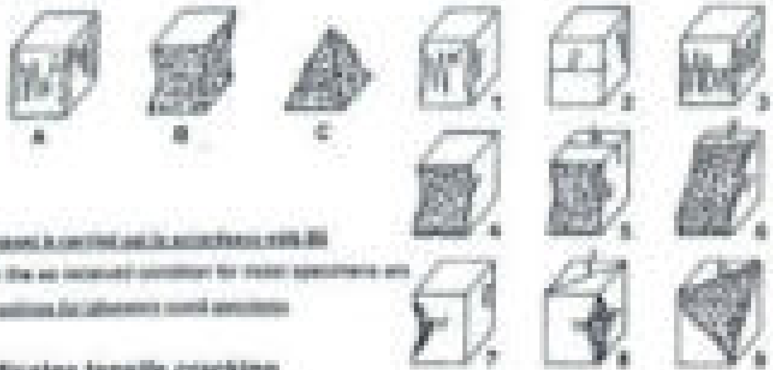
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	ST 507+227-507+282 / 507+288-507+381		
DATE OF CASTING	19-Feb-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	18-Mar-24	28	150	8400	2.49	939.8	434.4	411.6
2			150	8300	2.46	918.8	412.2	
3			150	8300	2.46	857.6	388.2	

164.7	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory



Remarks :
Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for main specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m.mohamed	Ahmd Adel	ENG.ATEF
m.mohamed	Ahmd Adel	

AL Sakr — الصقر للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

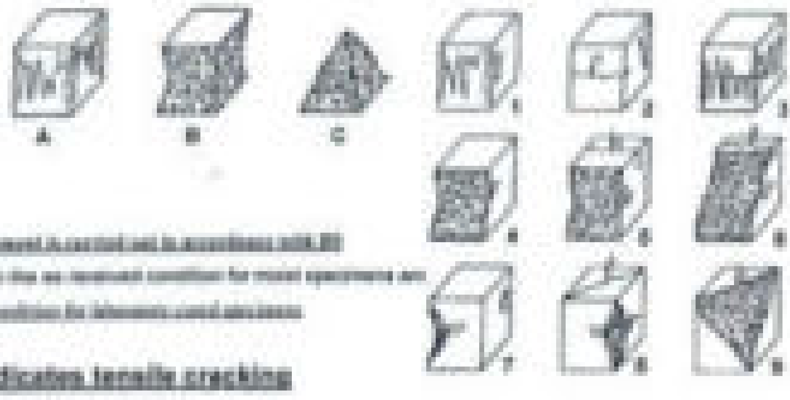
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	318 KG - OPC
STATION	L-5 ST 507+247-507+312 / 507+340-507+369 L-6		
DATE OF CASTING	19-Feb-2024	SPECIFIED STRENGTH :	250 Kg/cm^2
POURED QUANTITY	m^3	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m^3)	Failure Load (kN)	Comp. Strength Kg/cm^2	Average kg/cm^2
1	18-Mar-24	28	150	8150	2.41	980.0	443.9	427.2
2			150	8040	2.38	925.0	419.0	
3			150	7990	2.37	924.0	418.6	

170.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for moist specimens and in the saturated condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
m.mohamed	Ahmed Ali	
m.mohamed	Ahmed Adel	

(77) (78)

AL Sakr
المؤسسة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

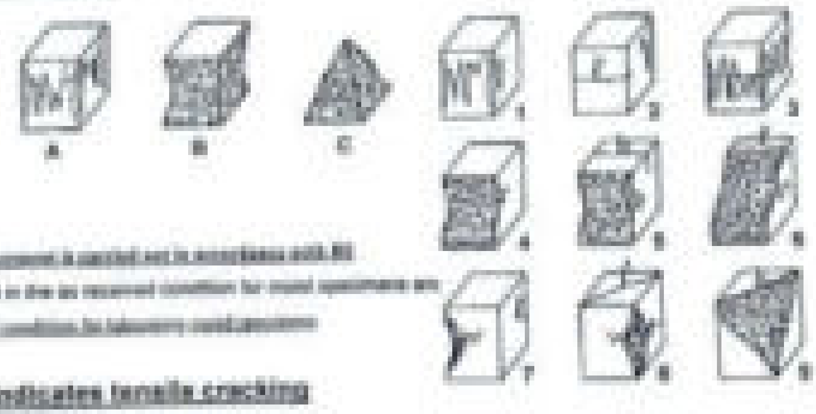
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 310 KG - OPC	
STATION :	8.0 ST 507+285-507+278 ; ST 507+384-507+435 8.5		
DATE OF CASTING	20-Feb-2024	SPECIFIED STRENGTH : 250 Kg/cm²	
POURED QUANTITY		m³	NO. OF CUBES MADE : 6
CONCRETE SLUMP		Cm	
TARGET SLUMP		Cm	TYPE OF CURING : Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	27-Feb-24	7	150	8189	2.43	768.0	347.9	317.1
2			150	8049	2.38	634.0	281.7	
3			150	7936	2.35	708.0	320.7	

126.8	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory / Unsatisfactory



Remarks:

Density measurement is carried out in accordance with BS 1881 Part 114 is the as received condition for cured specimens are in the saturated condition by laboratory curing process

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 6.3kN/S to 9.0 kN/S at (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
[signature]	[signature]	AMR ADEL
[signature]	[signature]	[signature] [stamp]

AL Sakr
للمقاولات الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 310	KG - OPC
STATION :	ST 507+270.507+357 L D		
DATE OF CASTING	20-Feb-2024	SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	27-Feb-24	7	150	7986	2.37	710.0	321.6	318.2
2			150	8053	2.39	703.0	318.5	
3			150	7980	2.36	694.0	314.4	

النسبة	127.3

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	

Al Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	8.5 ST 507+285-507+370 / ST 507+384-507+435 8.5		
DATE OF CASTING	20-Feb-2024	PCURED STRENGTH :	350 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

n. Of cu	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	19-Mar-24	28	150	7820	2.32	1031.0	467.0	433.5
2			150	8147	2.41	908.0	411.3	
3			150	8124	2.41	932.0	422.2	

173.4	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S) [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
Mohamed Mohamed	Ahmed Ali	AMR ATEF
Mohamed Mohamed	Ahmed Ali	

معمل الصقر للخرسانة الجاهزة

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

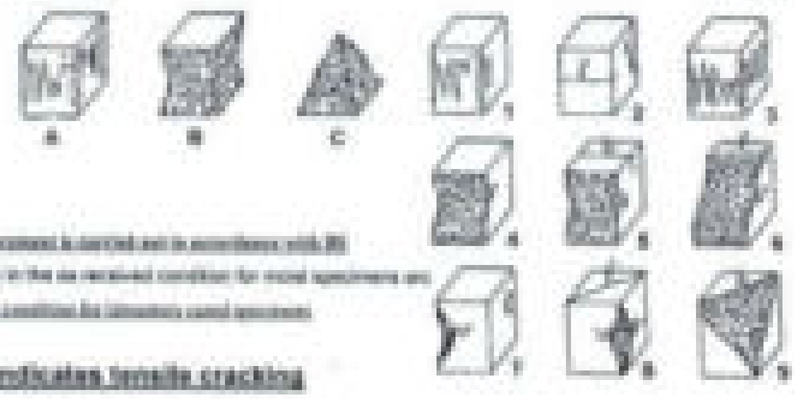
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6726:1991

PROJECT	مشروع [illegible]	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :		ST 507+170-507+297 L-D	
DATE OF CASTING	20-Feb-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	19-Mar-24	28	150	8000	2.37	1029.8	466.1	435.3
2			150	8427	2.50	965.8	437.1	
3			150	8137	2.41	889.0	402.7	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 174.1 | النسبة

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as-received condition for cored specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5KN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
H. Mohamed	Ahmed Adel	
M. Mahmoud	Ahmed Adel	

AL Sakr
الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type : 310	KG - OPC
STATION :	R-5 ST 507+436-507+483 \ ST 507+501-507+452 R-D			
DATE OF CASTING	21-Feb-2024		DESIGN STRENGTH : 350	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING : Soh in water	

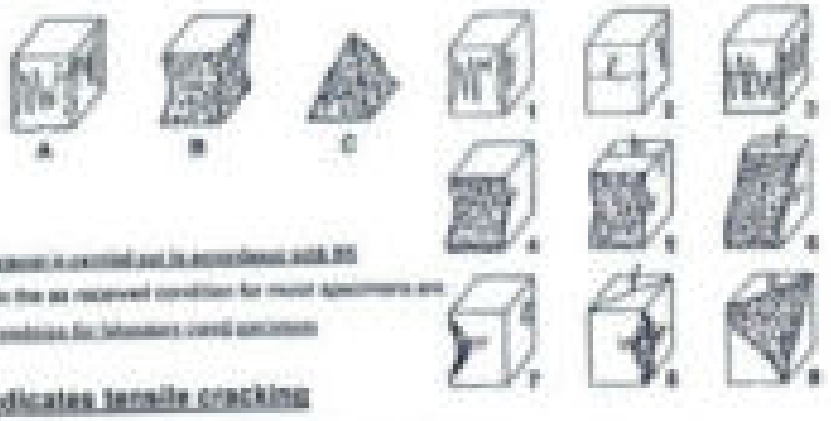
s. Of cu	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	28-Feb-24	7	150	8182	2.42	838.6	378.3	354.5
2			150	8117	2.40	774.6	350.6	
3			150	8168	2.42	736.6	334.8	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

141.8 | النسبة

Satisfactory

Unsatisfactory



Remarks :

Results measurement is carried out in accordance with BS 1881 Part 116 on the as received condition for most specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.86N/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QA/QC MANAGER
M. mahmoud	Ahmed Ali	KHALIFE
M. mahmoud	Ahmed Ali	

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

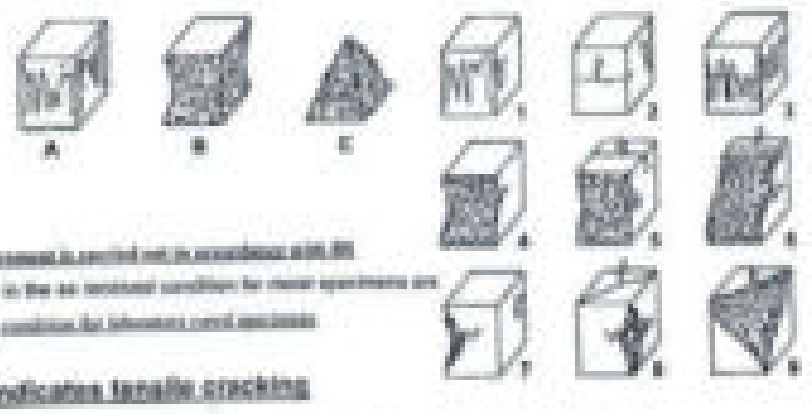
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	ST 507+231.0 - 507+264.0 L.O B1		
DATE OF CASTING	21-Feb-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

n. Of cu	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	28-Feb-24	7	150	8098	2.40	755.0	342.0	337.6
2			150	8236	2.44	845.0	382.8	
3			150	8028	2.38	636.0	288.1	

135.1	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Results measurement is carried out in accordance with BS 1881 Part 116 ... [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M.Mahmoud	Ahmed Adel	AMR ATEF
M.Mahmoud	Ahmed Adel	

Al Sakr
معامل الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

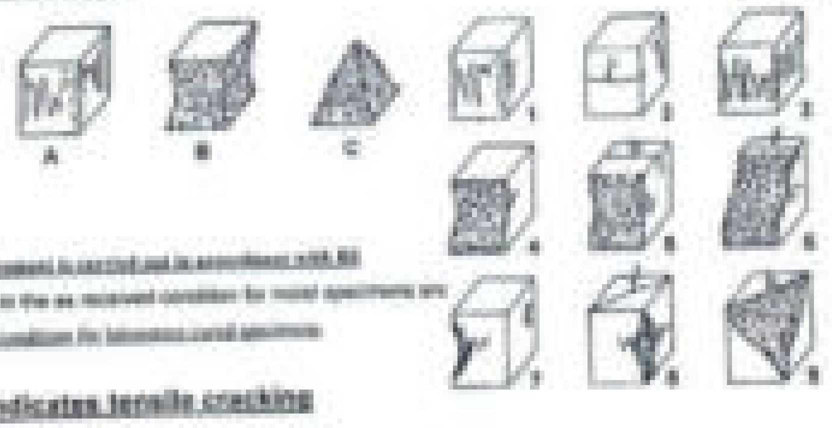
PROJECT	مشروع القطر السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	310 KG - OPC
STATION :	ST 507+438-507+483 \ ST 507+381-507+422			
DATE OF CASTING	21-Feb-2024		SPECIFIED STRENGTH :	250 Kg/cm^2
POURED QUANTITY		m^3	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m^3)	Failure Load (kN)	Comp. Strength Kg/cm^2	Average Kg/cm^2
1	20-Mar-24	28	150	8079	2.39	845.0	384.6	382.2
2			150	8122	2.41	780.0	353.3	
3			150	8150	2.43	902.0	408.6	

152.9	القيمة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for cored specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
H-mahmoud	Ahmed Ali	AMR ATEF
H-mahmoud	Ahmed Ali	

معمل الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

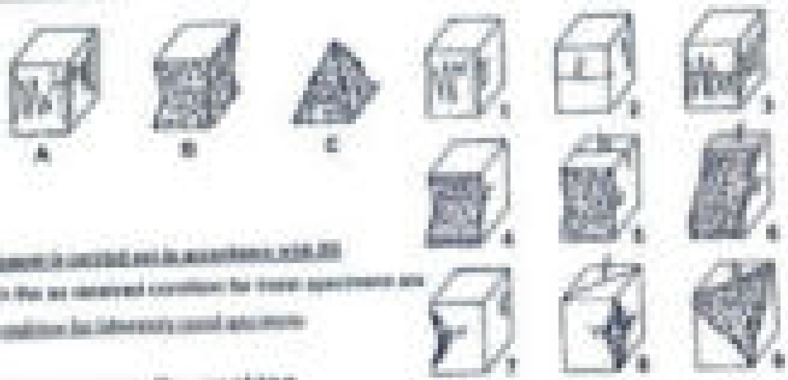
Test Standard BS 1881 - Part 116:1983AND 6097:1989, 6720:1991

PROJECT	مشروع القطر السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	ST 807+211.8 - 807+264.0 L-R B 1		
DATE OF CASTING	21-Feb-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Salt in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	20-Mar-24	28	150	8118	2.40	870.0	398.2	377.2
2			150	8068	2.39	757.0	342.9	
3			150	8059	2.39	862.0	398.5	

150.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983



Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5(kN/S) to 9.0 (kN/S) or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. Mahmoud	Ahmed Aly	[illegible]
M. Mahmoud	Ahmed Aly	

103 104

Al Saker
الصاكر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

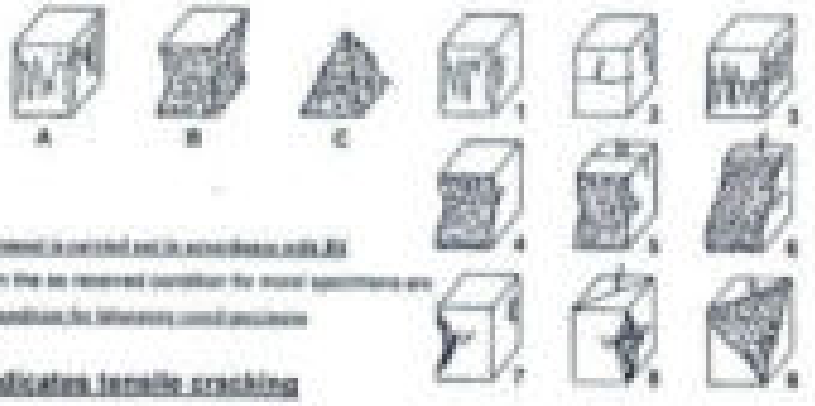
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	310	KG - OPC
STATION	K.D & ST 501+480-507+428 | ST 507+543-507+486 K. S.				
DATE OF CASTING	22-Feb-2024		ENGINEERED STRENGTH :	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water	

S. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	28-Feb-24	7	150	8038	2.38	773.0	390.2	336.6
2			150	8178	2.42	736.0	333.4	
3			150	7775	2.30	728.0	326.2	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 134.6 | النسبه

Satisfactory



Unsatisfactory

Remarks:

Results announcement is carried out in accordance with BS 1881 Part 116 in the as received condition the most specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2kN/S to 9.8 kN/S or (0.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud		
M. Mahmoud		

(105) (106)

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	310 KG - OPC
STATION :	L D ST 507+317-507+334 / ST 507+228-507+301 L G			
DATE OF CASTING	22-Feb-2024		SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

n. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (Kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	29-Feb-24	7	150	7790	2.31	708.0	320.7	336.3
2			150	8026	2.38	737.0	333.9	
3			150	7914	2.34	782.0	354.2	

134.5	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

Results measurement is carried out in accordance with BS 1881 Part 116 [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER

Al Sakr
مؤسسة الجاهز

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	318 KG - OPC
STATION	R D ST 507+480-507+635 / ST 507+543-507+486 R S		
DATE OF CASTING	22-Feb-2024	SPECIFIED STRENGTH	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	21-Mar-24	28	150	8090	2.40	879.0	398.2	384.1
2			150	8320	2.47	877.0	397.3	
3			150	8165	2.42	788.0	357.0	

153.7	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for mould specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2kN/S to 9.6 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
H. Mahmoud	AhdAAl	
H. Mahmoud	AhdAAl	[signature and stamp: معمل الصقر]

AL Sakr
مختبر سالم الجاهز

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

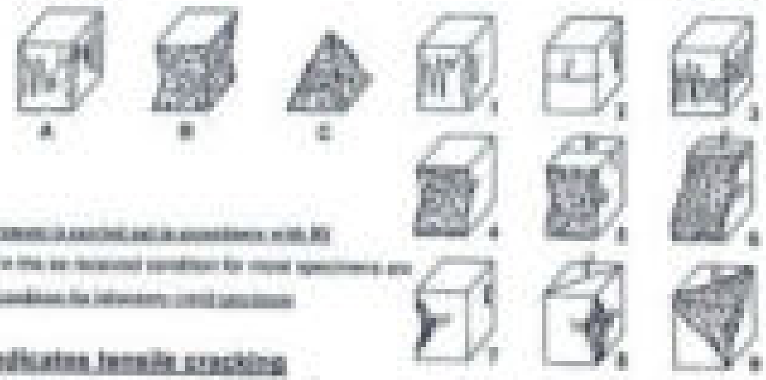
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		
Customer	EGY CONTRAC	STATION	
STATION :	L6 ST 507+267.507+334 LST 507+228.507+201 L6	Cement Content/Type	310 KG - OPC
DATE OF CASTING	22-Feb-2024	SPECIFIED STRENGTH :	350 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE : 6
CONCRETE SLUMP		Cm	
TARGET SLUMP		Cm	TYPE OF CURING : Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	31-Mar-24	28	150	8125	2.41	793.0	358.8	383.4
2			150	8095	2.40	851.0	385.5	
3			150	8100	2.40	896.0	405.9	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 153.4 | النسبة

Satisfactory — Unsatisfactory



Remarks:

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2MPa to 0.4MPa (0.2 to 0.4 N/mm²/s)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. Mohamed	Ahmed Abd	AMR ATEF
	Ahmed Abd	معمل السالم للخرسانة الجاهزة

Al Sakr
الشركة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	HJV CONTRAC		Cement Content/Type	310	KG - OPC
STATION	at:507+552 to 507+427 (R-S-R1) / at: 507+483 to 507+446 (R-S-R1) at:507+189 to 507+196 (L-S-R1) at:507+384 to 507+131 (L-S-R1)				
DATE OF CASTING	25-Feb-2024				
POURED QUANTITY		m^3			
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING	:	Sub in water

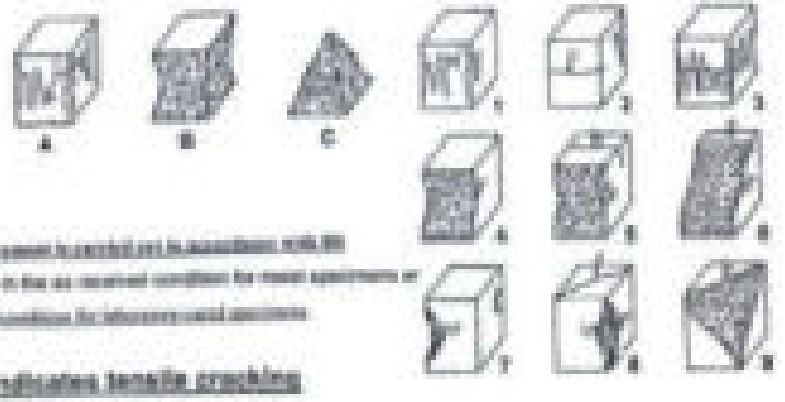
S. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm) A	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength N/mm²	Average kg/cm²
1	3-Mar-24	7	150	8041	2.36	748.8	331.3	313.1
2			150	7909	2.34	708.0	324.7	
3			150	8023	2.38	619.8	288.4	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

124.8 النسبة

Unsatisfactory

Satisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 (Part 114 in the as received condition for moist specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4 (kN/S to 8.0 kN/S or (0.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M.Mahmoud	Ahmed Atef	AMR ATEF
M.Mahmoud	Ahmed Atef	

Al Saker
شركة الساكر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

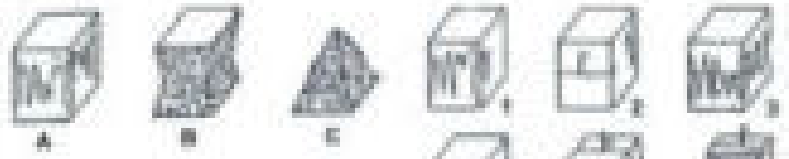
PROJECT	مشروع الجهاز السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type : 310 KG - OPC	
STATION :	st:507+552 to 507+627 (R-S-01) / st: 507+483 to 507+546 (R-D-01) st:507+159 to 507+198 (L-S-01) st:507+264 to 507+331 (L-D-01)			
DATE OF CASTING	28-Feb-2024		DESIGN STRENGTH : 250 Kg/cm²	
POURED QUANTITY		m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING : Safe in water	

S. No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	3-Mar-24	7	150	7989	2.37	701.0	317.4	309.4
2			150	8039	2.38	663.0	299.9	
3			150	7982	2.37	686.0	310.8	

123.8 النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory



Unsatisfactory

Remarks :

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4 kN/S to 9 kN/S at (6 kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

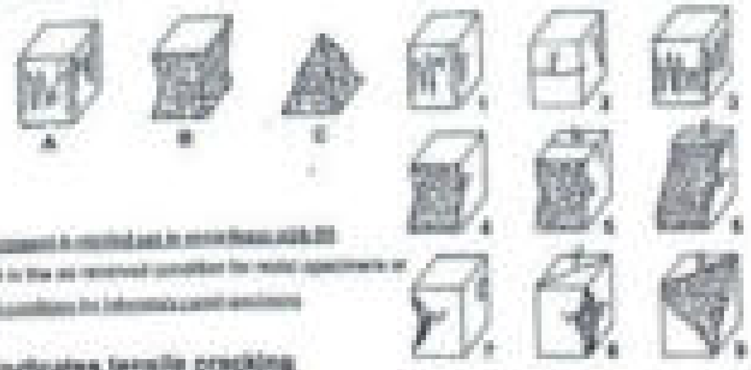
PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	318	KG - 1/PC
STATION :	st:507+032 to 507+427 (R-S-B1) / st: 507+483 to 507+546 (R-D-B1) st:507+150 to 507+198 (L-S-B1) st:507+204 to 507+231 (L-D-B1)				
DATE OF CASTING	29-Feb-2024		SPECIFIED STRENGTH :	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING	Sub in water	

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	24-Mar-24	28	150	8131	2.47	691.8	313.0	378.1
2			150	8300	2.46	917.8	415.4	
3			150	8324	2.47	896.8	405.9	

151.2	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory Unsatisfactory



Remarks :

Results recorded is carried out in accordance with BS 1881 Part 116 in the as received condition for solid specimens or in the ... condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.2kN/S to 0.4 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M.Mahmoud	Ahmed Magdi	AMR ATEF
M.Mahmoud	Ahmed Magdi	

AL Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

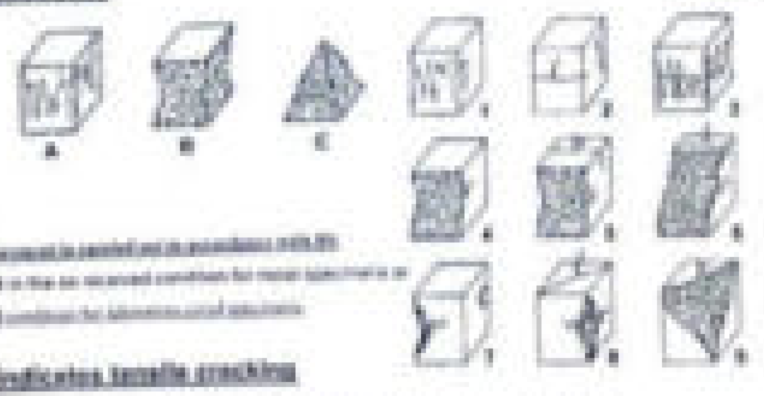
PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	350 KL-1SPC
STATION :	st:507+552 to 507+627 (R-S-B1) / to 507+198 (L-S-B1)		st: 507+483 to 507+546 (R-D-B1) st:507+184 to 507+231 (L-D-B1)	st:507+150
DATE OF CASTING	25-Feb-2024		[illegible] :	250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	24-Mar-24	28	150	8192	2.43	898.0	406.8	380.8
2			150	8000	2.37	782.0	354.2	
3			150	8054	2.38	842.0	381.4	

النسبة	152.3

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory   Unsatisfactory



Remarks:

Quality assessment is carried out in accordance with BS 1881 Part 116 [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.15 N/mm²/s to 0.6 N/mm²/s [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mohamed	Ahmed Adel	AMR ATEF
M. Mohamed	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

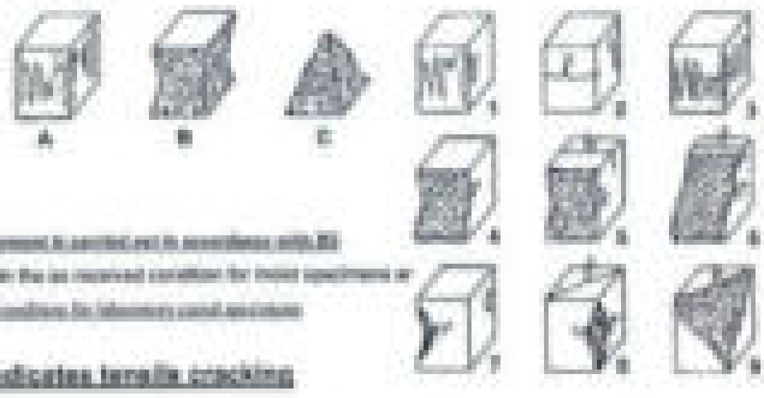
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 350 KG - OPC	
STATION :	st:507+549 to 507+600 (R.D.R1) / St:507+650 to 507+729 (R.D.R1) / st:507+141 to 507+156 (L.D.R1) / St:507+182 to 507+201 (L.D.R1)		
DATE OF CASTING	26-Feb-2024	SPECIFIED STRENGTH : 250 Kg/cm^2	
POURED QUANTITY		m^3	NO. OF CUBES MADE : 6
CONCRETE SLUMP		Cm	
TARGET SLUMP		Cm	TYPE OF CURING : Sub in water

n. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm^2	Average Kg/cm^2
1	4-Mar-24	7	150	8070	2.39	665.0	301.2	302.3
2			150	8150	2.42	655.0	296.7	
3			150	7975	2.36	682.0	308.9	

120.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for insitu specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Azmi	AMR ATEF
M. Mahmoud	Ahmed Azmi	[signature]

Al Saker
الشركة الساكر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

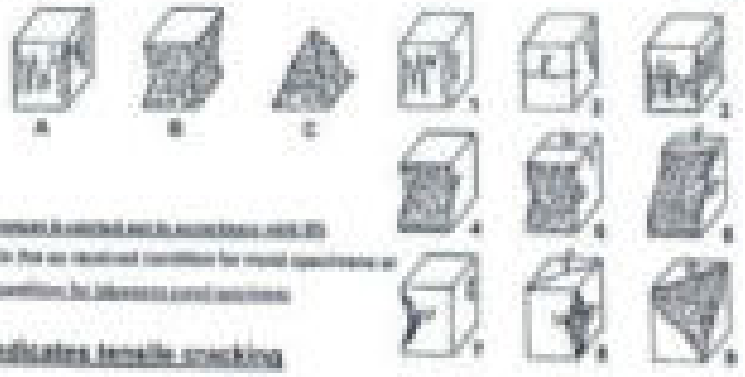
Test Standard BS 1881 - Part 116:1983AMD 6097:1988, 6728:1991

PROJECT	مشروع نفق السويد	STATION	
Contractor	EGY CONTRAC	Cement Content/Type 350 KG - OPC	
STATION :	st:507+549 to 507+608 (L.D.B) / St:507+630 to 507+729 (R.U.B) / st:507+141 to 507+156 (L.A.B) / St:507+162 to 507+201 (L.D.B)		
DATE OF CASTING	26-Feb-2024	DESIGN STRENGTH : 250 Kg/cm²	
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING : Sub in water	

No. Of cubes	Date of Test	Age of Test (Days)	Average Dimension (mm) A	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength N/mm²	Average kg/cm²
1	4-Mar-24	7	150	7991	2.37	698.0	294.5	397.3
2			150	8048	2.38	615.0	278.6	
3			150	8139	2.41	703.0	316.5	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 — 118.9 — النسبة

Satisfactory — Unsatisfactory



Remarks :

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.46kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	ASHRAFF
M. Mahmoud	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AND 6097:1988, 6720:1991

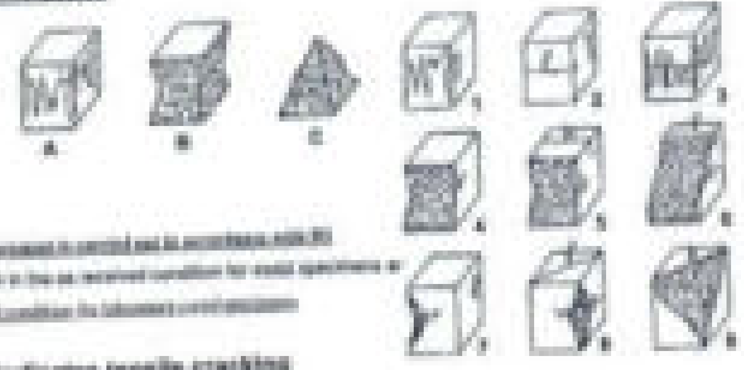
PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	310 KG - OPC
STATION :	st.507+549 to 507+608 (R.B.01) / St.507+638 to 507+729 (R.B.01) / st.507+141 to 507+150 (L.S.01) / St.507+162 to 507+201 (L.B.01)			
DATE OF CASTING	26-Feb-2024		REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	25-Mar-24	28	150	8112	2.40	499.0	485.4	506.4
2			150	7989	2.37	503.0	489.1	
3			150	8115	2.41	560.0	544.7	

154.6	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory



Remarks :

Sample preconditioning is carried out in accordance with BS 1881 Part 114 in the as received condition for site specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.7kN/S to 9.6 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M.mahmoud	Ahmed Adel	AMR ATEF
M.mahmoud	Ahmed Adel	

Al Saker
شركة الساكر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Contractor	EGY CONTRAC	Cement Content/Type	310 B.U. - OPC
STATION :	st:587+549 to 587+600 (R.S.B.U) / St:587+630 to 587+729 (R.S.B.U) / st:587+140 to 587+156 (L.S.B.U) / St:587+182 to 587+201 (L.S.B.U)		
DATE OF CASTING	26-Feb-2024	DESIGNED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Soak in water

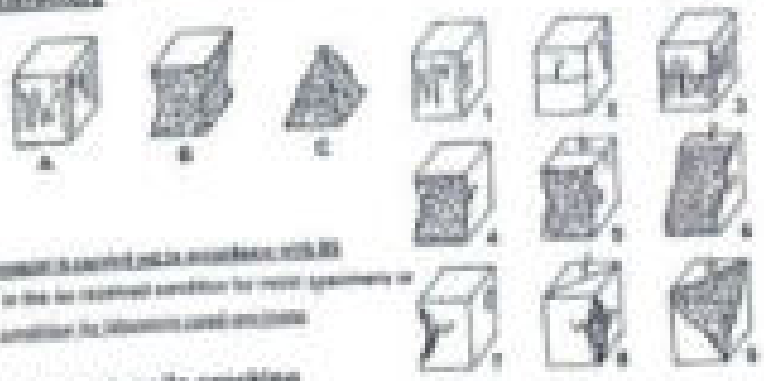
No. Of cubes	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	25-Mar-24	28	150	8045	2.38	857.0	380.3	389.0
2			150	7996	2.37	843.0	381.4	
3			150	8048	2.39	871.0	397.3	

155.6 النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory

Unsatisfactory



Remarks :

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 5.5 kN/S or (0.86N/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
A. mahmoud	Ahmed Adel	AMR ATEF
A. mahmoud	Ahmed Adel	

Al Sakr للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	st:507+683 to 507+714 (R.S.B1) / St:507+732 to 507+777 (R.S.B1) St:507+087 to 507+120 (L.S.B1)		
DATE OF CASTING	27-Feb-2024	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	5-Mar-24	7	150	8122	2.41	671.0	304.0	315.6
2			150	7970	2.36	690.0	312.6	
3			150	7989	2.37	729.0	330.2	

126.2	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. mahmoud	Ahmed Adel	AMR ATEF
M. mahmoud	Ahmed Adel	[signature and stamp: [illegible]]

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116/1983 AND 6097:1989, 6720:1991

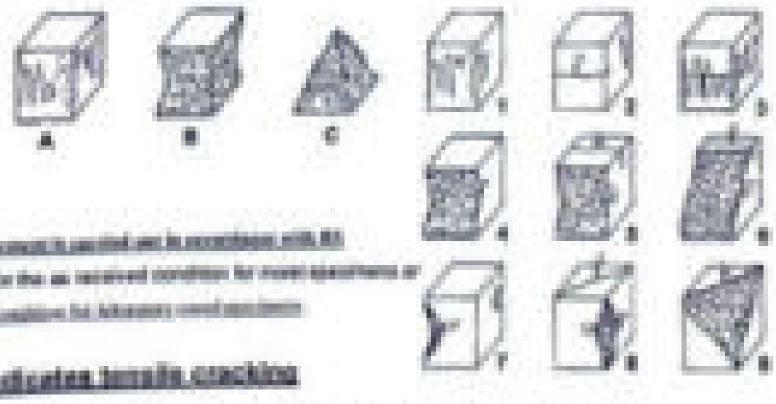
PROJECT			
Customer	مشروع القطار السريع	STATION	
	EGY CONTRAC	Cement Content/Type 310	KG - OPC
STATION :	st.507+603 to 507+714 (R.S.B1) / St.507+732 to 507+777 (R.S.B1) St.507+087 to 507+128 (L.S.B1)		
DATE OF CASTING	27-Feb-2024		
POURED QUANTITY		REQUIRED STRENGTH : 350	Kg/cm²
CONCRETE SLUMP	m³	NO. OF CUBES MADE : 6	
TARGET SLUMP	Cm		
	Cm	TYPE OF CURING :	Bath in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	5-Mar-24	7	150	8155	2.42	655.0	296.5	299.4
2			150	8045	2.38	677.0	306.7	
3			150	7983	2.37	638.0	288.9	

118.1	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	

Al Sakr
لخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097/1989, 6720/1991

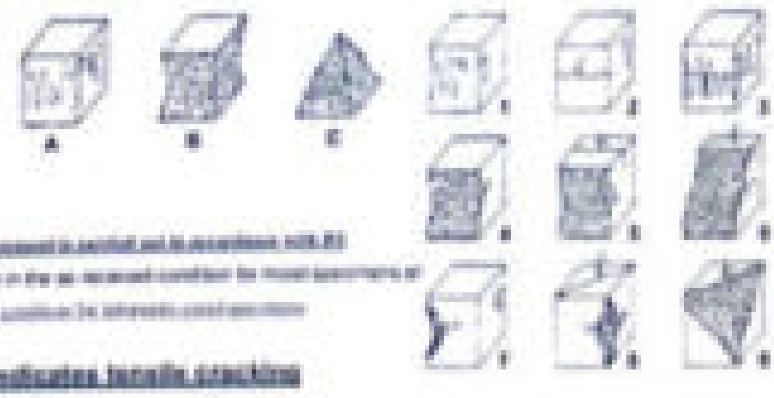
PROJECT	مشروع القطر السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	[illegible]507+685 to 507+714 (R.B.B1) / St:507+752 to 507+777 (R.S.B1) St:507+687 to 507+[illegible] (L.S.B1)		
DATE OF CASTING	27-Feb-2024	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	26-Mar-24	28	150	8280	2.45	832.0	376.9	388.4
2			150	8070	2.39	858.0	388.7	
3			150	8235	2.44	882.0	399.5	

155.3	النسبة

MODES OF FAILURE AS PER BS 1881 - Part 116 - 1983

Satisfactory — Unsatisfactory



Remarks

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	(signature)

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

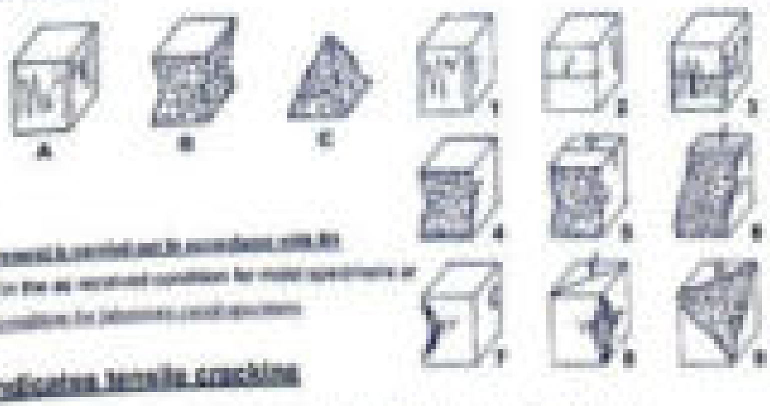
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 310 KG - OPC	
STATION :	ch:507+683 to 507+714 (R.S.B1) / St:507+732 to 507+777 (R.S.B1) St:507+087 to 507+138 (L.S.B1)		
DATE OF CASTING	27-Feb-2024	SPECIFIED STRENGTH : 250 Kg/cm²	
POURED QUANTITY		m³	NO. OF CUBES MADE : 6
CONCRETE SLUMP		Cm	
TARGET SLUMP		Cm	TYPE OF CURING : Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	26-Mar-24	28	150	8145	2.41	897.0	388.2	390.9
2			150	8190	2.43	913.0	433.6	
3			150	8085	2.40	819.0	371.0	

158.4	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory Unsatisfactory



Remarks :
Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for cored specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M-Mahmoud	Ahmed Adel	AMR ATEF
M-Mahmoud	Ahmed Adel	[signature]

(118) (115)

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	210 KG - OPC
STATION :	4.5 [illegible] 4.5		
DATE OF CASTING	28-Feb-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

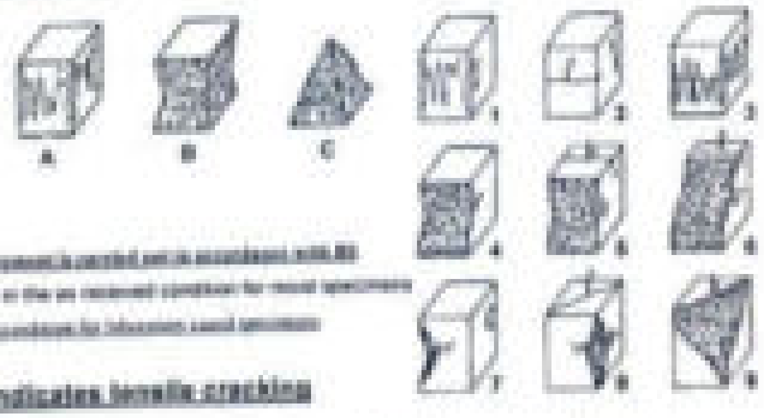
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	6-Mar-24	7	150	8180	2.42	652.0	295.4	287.8
2			150	7783	2.31	621.0	281.3	
3			150	7929	2.35	633.0	286.7	

115.1	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory

Unsatisfactory



Remarks

Results measurement is carried out in accordance with BS 1881 Part 116 in the as received condition for record specimens in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
Hesham ElAmy	[signature]	AMR ASHY
Hesham ElAmy	[signature]	[signature] AL Sakr معمل الخرسانة للخرسانة الجاهزة

124 121

AL Sakr للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT			
Customer	مشروع القطار السريع	STATION	
STATION :	EGY CONTRAC	Cement Content/Type	310 KG - OPC
DATE OF CASTING	L.D [illegible] L.5		
	28-Feb-2024		
POURED QUANTITY	m³	PRESCRIBED STRENGTH :	250 Kg/cm²
CONCRETE SLUMP	Cm	NO. OF CUBES MADE :	6
TARGET SLUMP	Cm		
		TYPE OF CURING :	Sub in water

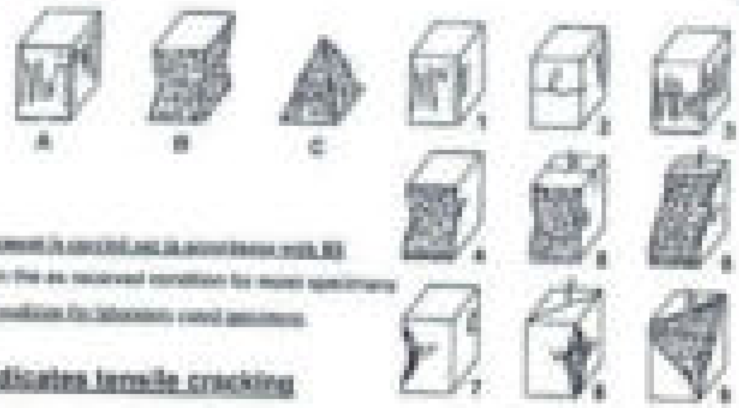
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (Kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	6-Mar-24	7	150	8019	2.38	591.0	267.7	273.9
2			150	8169	2.42	605.0	274.1	
3			150	7987	2.37	618.0	280.0	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

109.6	النسبة

Satisfactory

Unsatisfactory



Remarks:

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER		Q.C MANAGER
[signature]	[signature]		AMR ATEF
[signature]	[signature]		Al Sakr [signature]

AL Sakr للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1988, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type : 350	KG - OPC
STATION :	٩.٥ [illegible] ٩.٥		
DATE OF CASTING	28-Feb-2024	SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	27-Mar-24	28	150	8229	2.44	773.0	349.7	379.2
2			150	8083	2.39	911.0	412.7	
3			150	7898	2.34	828.0	375.1	

151.7	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

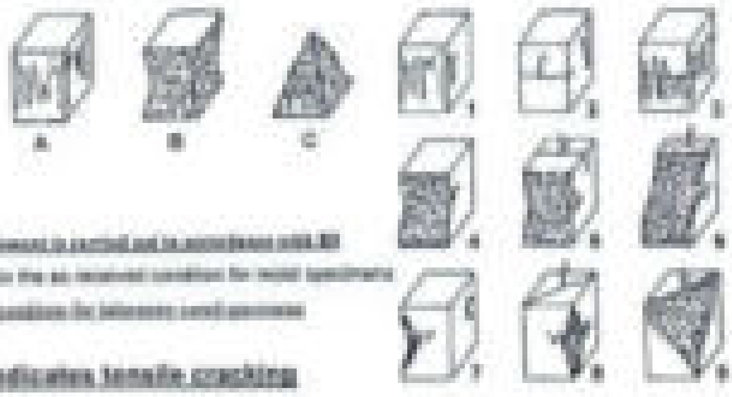
PROJECT	مشروع القطر السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	318 KG - OPC
STATION :	[illegible]		
DATE OF CASTING	28-Feb-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	27-Mar-24	28	150	8028	2.38	774.8	350.6	377.2
2			150	8154	2.42	985.8	446.2	
3			150	8157	2.42	739.8	334.8	

150.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for [illegible] in the [illegible] condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	[illegible]		
DATE OF CASTING	29-Feb-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

n. Of cu	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	7-Mar-24	7	150	8058	2.39	627.0	284.0	310.9
2			150	8023	2.38	747.0	338.4	
3			150	7996	2.37	685.0	310.3	

124.4	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :
Results measurement is carried out in accordance with BS 1881 Part 116 in the as received condition for actual specimens in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S at (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF
[signature]	[signature]	[signature]
[signature]	[signature]	

AL Sakr
معمل الدكتور
للخرسانة الجاهزة

50

122 123

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

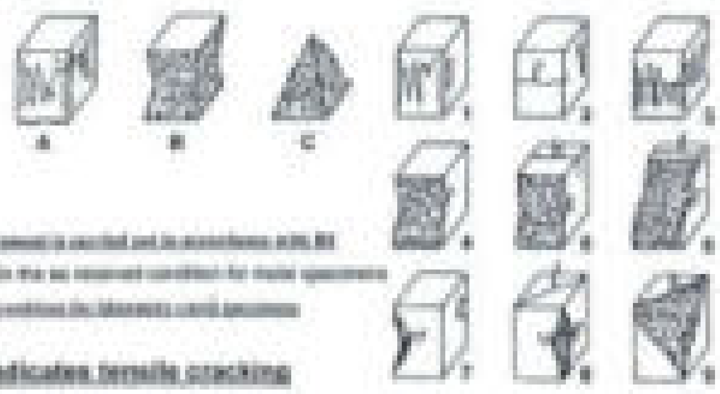
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	[illegible] 8.5		
DATE OF CASTING	28-Feb-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	7-Mar-24	7	150	8020	2.38	681.0	308.5	305.0
2			150	8005	2.37	656.0	297.3	
3			150	8080	2.39	683.0	309.4	

122.0	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory / Unsatisfactory



Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
Ashan Elgoo	Ahmed Abd	AMR [illegible]
Ashan Elgoo	Ahmed Abd	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type 310 KG - OPC	
STATION :	L5 [illegible] L5			
DATE OF CASTING	29-Feb-2024		SPECIFIED STRENGTH : 250 Kg/cm²	
POURED QUANTITY		m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING : Sub in water	

n. Of cu	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	28-Mar-24	28	150	8105	2.40	784.0	355.2	388.5
2			150	8150	2.41	868.0	393.2	
3			150	8320	2.47	921.0	417.2	

155.4	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks:

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for site specimens in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
[signature]	[signature]	AMR EID
[signature]	[signature]	[signature]

معمل الصقر للخرسانة الجاهزة

AL Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	A.D [illegible]	A.3	
DATE OF CASTING	29-Feb-2024	SPECIFIED CUBE STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

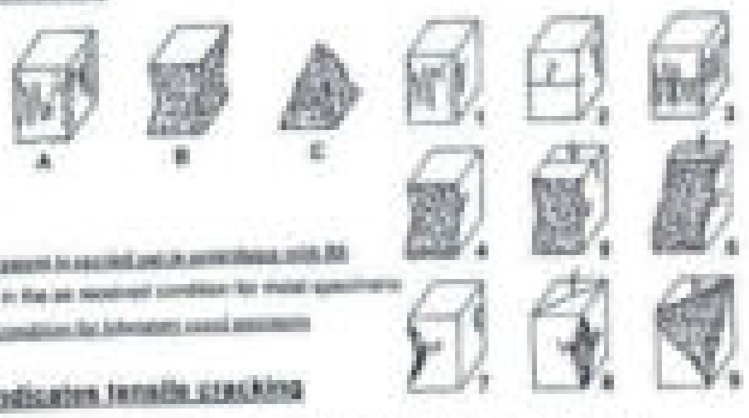
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	28-Mar-24	28	150	8115	2.40	856.0	387.8	378.3
2			150	8140	2.41	755.0	342.0	
3			150	8190	2.43	894.0	405.0	

151.3	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory

Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for mold specimens in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.3 kN/S to 0.8 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
[signature]	[signature]	[stamp and signature]
[signature]	[signature]	

(126) (127)

Al Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 4720:1993

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	R.S 507+479-507+870 / 507+852-507+777 S.D		
DATE OF CASTING	2-Mar-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cubes	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	9-Mar-24	7	150	7973	2.36	607.0	275.0	287.4
2			150	8077	2.39	643.0	291.3	
3			150	8212	2.43	653.0	295.8	

114.9	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory / Unsatisfactory

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
[signature]	[signature]	[signature] [stamp]
[signature]	[signature]	

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6097:1988, 6720:1991

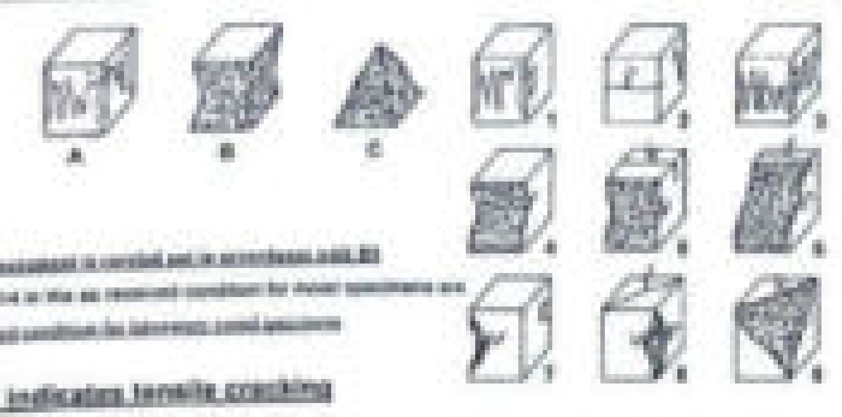
PROJECT			
Customer	مشروع القطار السريع	STATION	
STATION :	EGY CONTRAC	Cement Content/Type	310 KG - OPC
DATE OF CASTING		507-081-507-042 1.0	
	2-Mar-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE : 6
CONCRETE SLUMP		Cm	
TARGET SLUMP		Cm	TYPE OF CURING : Sab in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	9-Mar-24	7	150	8041	2.38	631.0	285.8	286.1
2			150	8211	2.43	618.0	280.0	
3			150	7838	2.32	646.0	292.6	

114.5	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory **Unsatisfactory**



Remarks :

Density determination is carried out in accordance with BS 1881 Part 114 in the as received condition for most specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 6.3kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
		AMR ATEF
[signature]	[signature]	[signature]
[signature]	[signature]	[stamp]

Al Saker

التحرير مستانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116: 1983 AND 4697: 1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	ELT CONTRAC		Cement Content/Type	[illegible]	[illegible]
STATION	[illegible]				
DATE OF CASTING	2-Mar-2024		SPECIFIED STRENGTH	350	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING	Soak in water	

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	30-Mar-24	28	150	8046	2.38	801.0	362.9	371.6
2			150	8282	2.45	834.0	377.8	
3			150	8170	2.42	826.0	374.2	

MODES OF FAILURE AS PER BS 1881 - Part 116 - 1983 | 148 % | النسبة

Satisfactory | Unsatisfactory

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range : [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
		[illegible]

Al Saker
الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

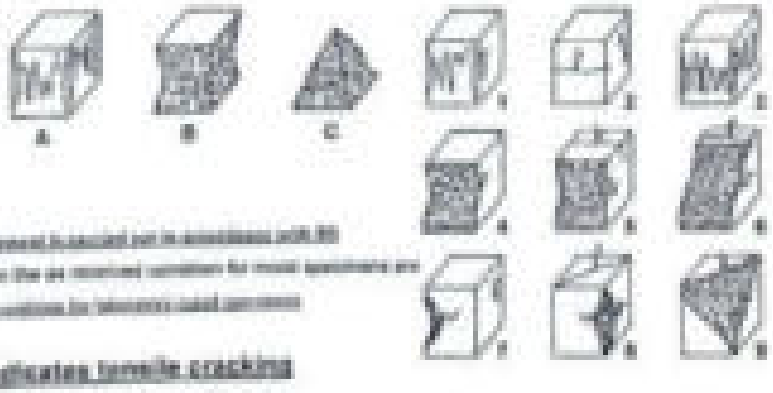
PROJECT	مشروع نظام الصرف		STATION		
Customer	EGY CONTRAC		Cement Content/Type	310	KG - OPC
STATION			MIX=001-507-041 LQ		
DATE OF CASTING	2-Mar-2024		SPECIFIED STRENGTH	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING	Sub in water	

S. No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	30-Mar-24	28	150	8286	2.46	874.8	395.9	388.8
2			150	8093	2.39	808.8	362.4	
3			150	7926	2.34	767.8	338.8	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

143.8 النسبة

Satisfactory



Unsatisfactory

Remarks:

Specific measurement is carried out in accordance with BS

1881 Part 116 in the as received condition for most specimens are

in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.50 KN/S to 9.0 KN/S or (0.86 N/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER

(17)

Al Sakr
الصقر لخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

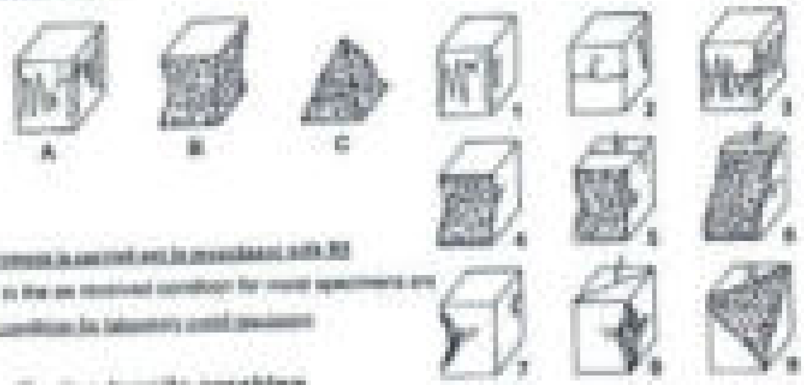
PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	310 KG - OPC
STATION :			507+876-507+895 8.0	
DATE OF CASTING	3-Mar-2024		SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	10-Mar-24	7	150	7936	2.35	688.0	311.7	300.3
2			150	7913	2.34	633.0	289.8	
3			150	7924	2.35	670.0	303.5	

120.1	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

[illegible] BS 1881 Part 116 [illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.15(N/S to 0.6 kN/S or [illegible])

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
[signature]	[signature]	AMR ATEF
[signature]	[signature]	[signature]

Al Sakr
معمل الخرسانة
الصقر الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

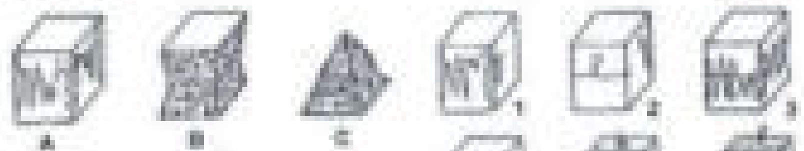
PROJECT				
Customer	مشروع القطر السريع	STATION		
STATION :	EGY CONTRAC	Cement Content/Type	310	KG - OPC
DATE OF CASTING		507+876-507+855 R.D		
	3-Mar-2024	SPECIFIED STRENGTH :	250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP	Cm			
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water	

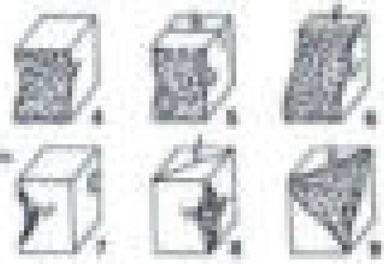
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	31-Mar-24	28	150	8204	2.43	861.0	390.0	392.3
2			150	8162	2.42	868.0	393.2	
3			150	8115	2.40	869.0	393.7	

156.9	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory





Remarks :

Density measurement is carried out in accordance with BS 1881-Part 114 in the as received condition for small specimens are in the saturated condition for laboratory cured specimen

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S in (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	LAB MANAGER
hesham Elbasy	Ahmed Adel	ANIS ATEF
hesham Elbasy	Ahmed Adel	

AL Saker
الصقر الباهر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

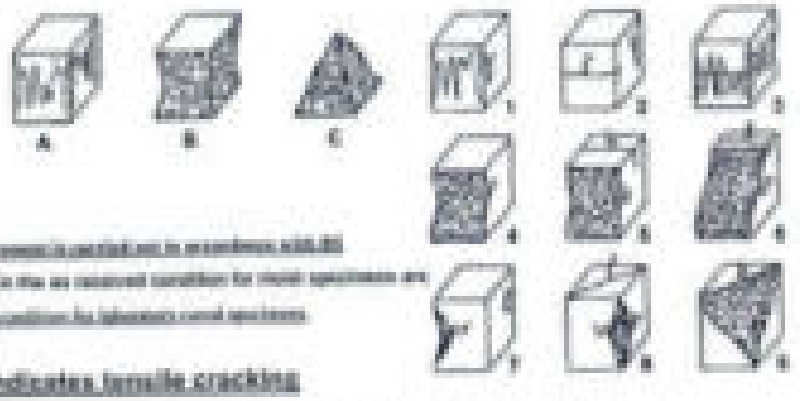
Test Standard BS 1881 - Part 116:1983,AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Contractor	EGY CONTRAC		Cement Content/Type	310	KG - OPC
STATION		n 500+755.0 - 500+794.8 L/S R1			
DATE OF CASTING:	4-May-2024		INCREASED STRENGTH	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING	Salt in water	

s. Of cu	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	11-May-24	7	150	8050	2.37	689.8	313.1	308.9
2			150	8010	2.37	690.8	313.6	
3			150	8200	2.45	667.8	303.1	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983. 123.6 النسبه

Satisfactory Unsatisfactory



Remarks :

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. Mahmoud	Ahmed Adel	
M. Mahmoud	Ahmed Adel	

Al Saker
شركة الساقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

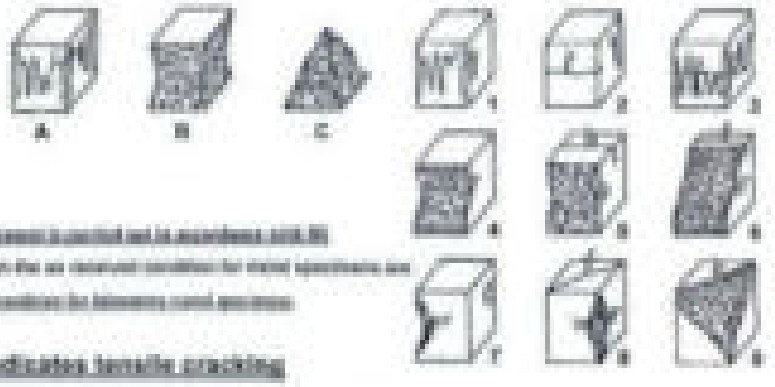
Test Standard BS 1881 – Part 116:1983AMD 6897:1989, 6728:1991

PROJECT	مشروع القطار الكهربائي		STATION		
Customer	EGY CONTRAC		Cement Content/Type	310	KG - OPC
STATION :	at SH+924.8 - SH+968.8 R.L R.1				
DATE OF CASTING	4-May-2024		DESIGN STRENGTH :	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING :	Sak in water	

S. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	11-May-24	7	150	7980	2.36	656.0	297.2	311.1
2			150	8070	2.39	627.9	284.8	
3			150	8015	2.37	777.8	352.6	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 124.4 | النسبه

Satisfactory



Unsatisfactory

Remarks :

Results obtained is satisfied and in accordance with BS

1881 Part 116 in the as received condition for tested specimens are

in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.86N/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QA MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

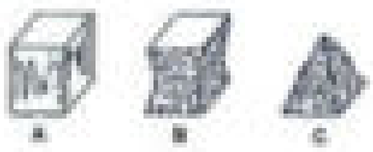
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	318 KG - OPC
STATION :		st 508+755.0 - 508+794.0 L-4 B 1	
DATE OF CASTING	4-May-2024	SPECIFIED STRENGTH :	350 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

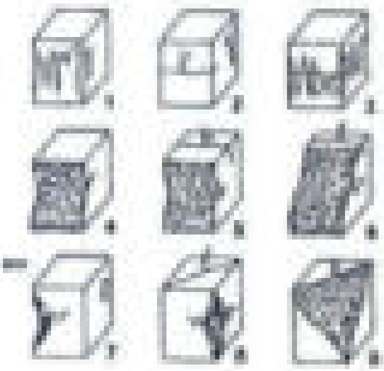
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	1-Jun-24	28	150	8088	2.40	814.0	368.7	369.0
2			150	8076	2.39	826.0	374.2	
3			150	8125	2.41	804.0	364.2	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 147.6 | النسبة

Satisfactory



Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for moist specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	

AL Sakr
المؤسسة الجاهز

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6097:1988, 4728:1991

PROJECT	مشروع القطر السريع			
Customer	EGY CONTRAC		STATION	
STATION :			Cement Content/Type	350 KG - OPC
DATE OF CASTING			0 587+934.8 - 587+960.8 B-S_B 1	
	4-May-2024		PROPOSED STRENGTH :	350 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	1-Jun-24	28	150	8057	2.39	795.0	360.1	365.3
2			150	7946	2.35	841.0	381.0	
3			150	8073	2.39	783.0	354.7	

146.1	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for cored specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Ahmed	Ahmed Adel	
M. Mahmoud	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

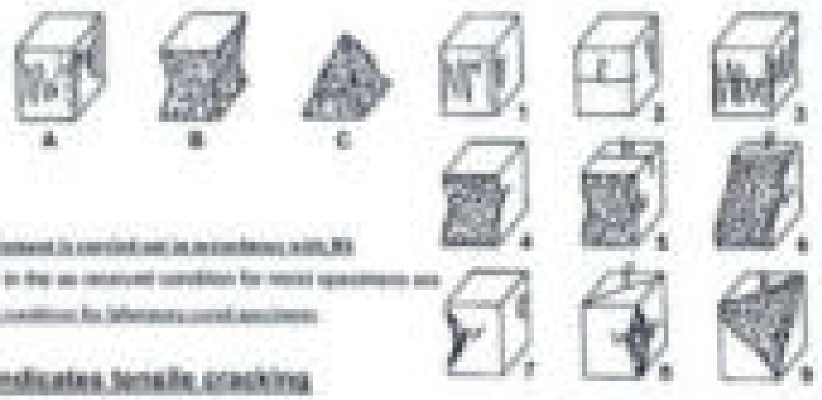
DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	310	KG - OPC
STATION :	at 507+027.0 - 507+060.0 R-D B 1/ at 508+750.0 - 508+773.0 L-D B 1				
DATE OF CASTING	6-May-2024		SPECIFIED STRENGTH :	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water	

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	13-May-24	7	150	7780	2.31	611.0	276.8	300.8
2			150	7970	2.36	664.0	300.8	
3			150	7776	2.30	717.0	324.8	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 120.3 | النسبه

Satisfactory **Unsatisfactory**



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for moist specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
hesham elsayed	Ahmed Adel	AMR AREF
heshamElsayed	Ahmed Adel	

معمل الصقر
للخرسانة الجاهزة

Al Sakr
الصقر لمعامل الجودة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

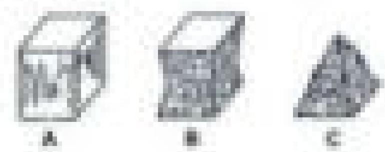
PROJECT	مشروع القطار السريع		
Customer	EGY CONTRAC	STATION	
STATION :	st 507+927.8 - 507+944.0 R-D R 1 / st 508+758.0 - 508+773.8 L-D R 1	Cement Content/Type 350	KG - OPC
DATE OF CASTING	6-May-2024	SPECIFIED STRENGTH : 350	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	3-Jun-24	28	150	8045	2.38	816.0	369.6	384.4
2			150	7980	2.36	892.0	404.1	
3			150	7950	2.36	838.0	379.6	

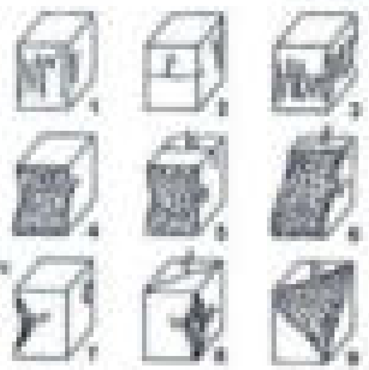
153.8	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory



Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881:Part 114 in the as received condition for [illegible] specimens or in the saturated condition for [illegible] specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	LAB MANAGER
		[illegible]
[signature]	[signature]	[signature]
[signature]	[signature]	[signature]

AL Sakr
الصقر للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	at 508+776.0 - 508+791.0 L.D R.1		
DATE OF CASTING	7-May-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

n. Of cu	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	14-May-24	7	150	8070	2.39	643.0	291.3	309.7
2			150	8320	2.47	657.0	297.6	
3			150	8065	2.39	751.0	340.2	

123.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881:Part 114 in the as received condition for equal specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
Wesam Elbassiouny	Ahmed Adel	AMR ATEF
Wesam Elbassiouny	Ahmed Adel	[signature]

(135)

AL Saker

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT			
Customer	مشروع القطار السريع	STATION	
STATION :	EGY CONTRAC	Cement Content/Type 350	KG - OPC
DATE OF CASTING			
	7-May-2024		
POURED QUANTITY	m³	SPECIFIED STRENGTH : 250	Kg/cm²
CONCRETE SLUMP	Cm	NO. OF CUBES MADE : 6	
TARGET SLUMP	Cm	TYPE OF CURING : Bath in water	

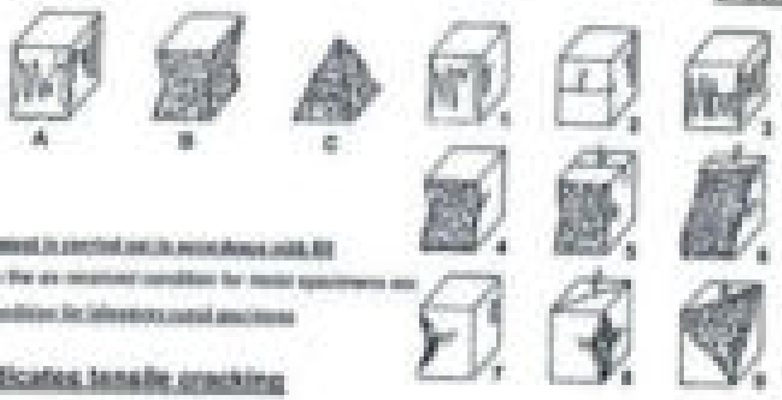
n. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	14-May-24	7	150	8025	2.38	678.0	307.1	313.8
2			150	8380	2.43	704.0	318.9	
3			150	8020	2.38	696.0	315.3	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

125.5	النسبة

Satisfactory

Unsatisfactory



Remarks :

Note : T indicating tensile cracking

Remarks : Specified Loading Rate Range = 0.2MPa/s to 0.4 MPa/s

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
Ibrahim Elbana	Ahmed Adel	AMR ATEF
Ibrahim Elbana	Ahmed Adel	

AL Sakr
المرسلة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

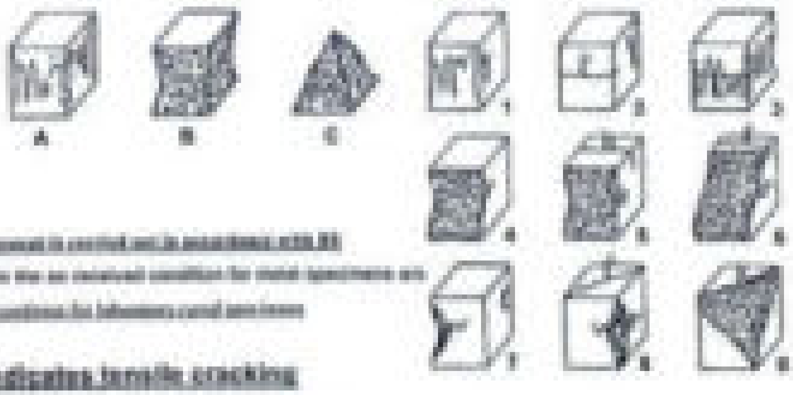
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	318	KG - OPC
STATION :	at 508+776.0 - 508+793.0 L-D B1				
DATE OF CASTING	7-May-2024		SPECIFIED STRENGTH :	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water	

n. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	4-Jun-24	28	150	7770	2.30	803.0	363.8	358.8
2			150	7780	2.30	674.0	305.3	
3			150	8075	2.39	899.0	407.2	

143.5	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983



Remarks :

Density measurement is carried out in accordance with BS 1881:Part 114 in the as received condition for tested specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.8kN/S to 9.6 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF

Al Sakr
معمل المستقر
المرسلة الجاهزة

(135)

AL Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	st 500+757.6 - 500+860.0 L.S B1		
DATE OF CASTING	7-May-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	4-Jun-24	28	150	7920	2.35	787.8	356.5	372.4
2			150	7905	2.34	874.8	395.9	
3			150	7840	2.32	805.8	364.7	

148.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for cured specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S so (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QA MANAGER
hesham	Ahmed Adel	AMR ADEL
hesham	Ahmed Adel	

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

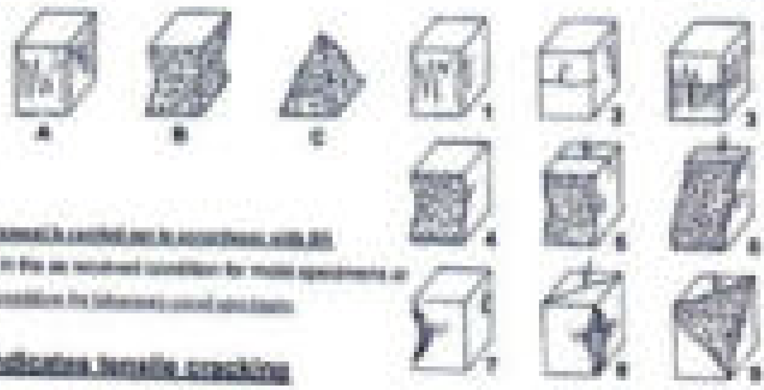
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 310 KG - OPC	
STATION :	St.500+794 to 500+857 (L.S.R1) / st.500+862 to 500+878 (L.S.R1) st.500+881 to 500+920 (L.S.R1)		
DATE OF CASTING	11-May-2024	REQUIRED STRENGTH : 250 Kg/cm²	
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING : Sub in water	

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	18-May-24	7	150	7966	2.36	424.0	282.7	297.6
2			150	7932	2.35	441.0	290.4	
3			150	7998	2.37	786.0	319.8	

119.0	النسبة

MODES OF FAILURE AS PER BS 1881 - Part 116 : 1983

Satisfactory / Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for moist specimens or in the saturated condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M.Mohamed	Ahmed Adel	AMR ATEF
M. Mohamed	Ahmed Adel	

AL Sakr
شركة الصاكر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

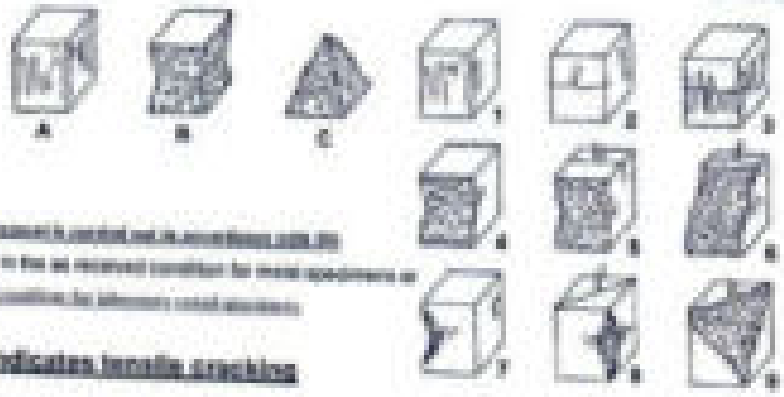
Test Standard BS 1881 - Part 116:1983AMD 6097:1999, 6738:1991

PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Concrete Content Type 310 KG - OPC	
STATION :	St:508+784 to 508+857 (L.S.B1) / st:508+863 to 508+878 (L.S.B1) st:508+881 to 508+926 (L.S.B1)			
DATE OF CASTING	11-May-2024		PROMISED STRENGTH : 350	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING : Soh in water	

S. Of cubes	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	18-May-24	7	150	8015	2.57	691.0	313.5	301.1
2			150	7970	2.56	665.8	301.3	
3			150	7940	2.55	637.0	288.6	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 — 120.4 — النسبة

Satisfactory — Unsatisfactory



Remarks :

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.3(N/S to 0.6 kN/S or (0.06 N/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M: Mahmoud	Ahmed Adel	ASHRAFF
M: Mahmoud	Ahmed Adel	

Al Sokr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

PROJECT	[illegible]	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	[illegible]	PROVIDED STRENGTH :	250 Kg/cm²
DATE OF CASTING	11-May-2024	NO. OF CUBES MADE :	6
POURED QUANTITY		m³	
CONCRETE SLUMP		Cm	TYPE OF CURING : Sub in water
TARGET SLUMP		Cm	

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/cm³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	18-May-24	7	150	8789	2.60	643.0	291.3	309.7
2			150	8865	2.62	487.0	297.4	
3			150	8829	2.61	781.0	348.2	

النسبة 123.9

MODES OF FAILURE AS PER BS 1881 - Part 116 - 1983

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		ASHRAF
M. Mahmoud	Ahmed Adel	[signature]
M. Mahmoud	Ahmed Adel	

Al Sakr
الصقر
للمقاولات الجاهزة

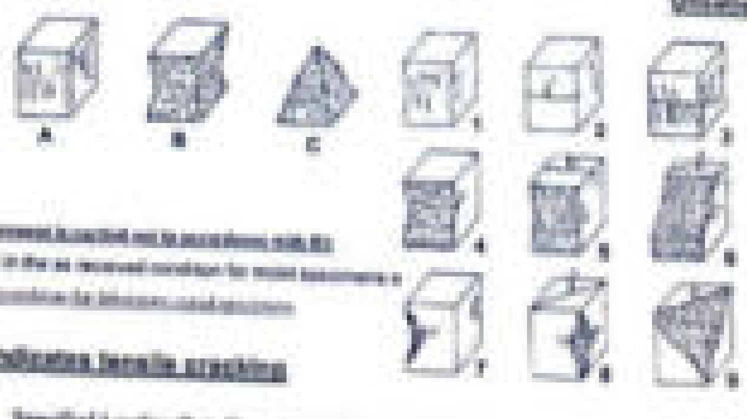
DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116/1983AND 6097/1989, 6720/1991

PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type : 350	KG - OPC
STATION :	St.500+794 to 500+857 (L.R.RI) / st.500+862 to 500+870 (L.R.RI) / st.500+881 to 500+926 (L.R.RI)			
DATE OF CASTING	11-May-2024			
POURED QUANTITY		m^3	SPECIFIED STRENGTH : 250	Kg/cm²
CONCRETE SLUMP		Cm	NO. OF CUBES MADE : 6	
TARGET SLUMP		Cm	TYPE OF CURING	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	8-Jun-24	28	150	9780	2.90	940.0	425.6	412.8
2			150	9865	2.92	921.0	417.7	
3			150	9824	2.94	870.0	394.1	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 165.0 | السيه

Satisfactory — Unsatisfactory



Remarks :

Results measurement is carried out in accordance with BS 1881 Part 116 in the as received condition for mould ... in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	[signature]

Al Sakr

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6097:1989, 4720:1991

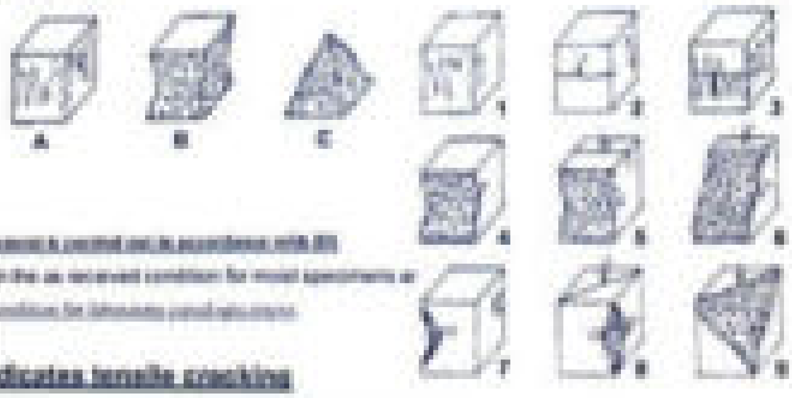
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	St.508+754 to 508+857 (L.S.B1) / st:508+863 to 508+878 (L.S.B1) st:508+883 to 508+926 (L.S.B1)		
DATE OF CASTING	11-May-2024	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Soak in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/cm³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	8-Jun-24	28	150	8847	2.62	907.0	410.9	395.2
2			150	8987	2.66	896.0	405.9	
3			150	8824	2.61	814.0	368.7	

158.1	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for most specimens or in the saturated condition for laboratory conditioning.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mohamed	Ahmed Adel	AMR ATEF
M. Mohamed	Ahmed Adel	[signature]

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

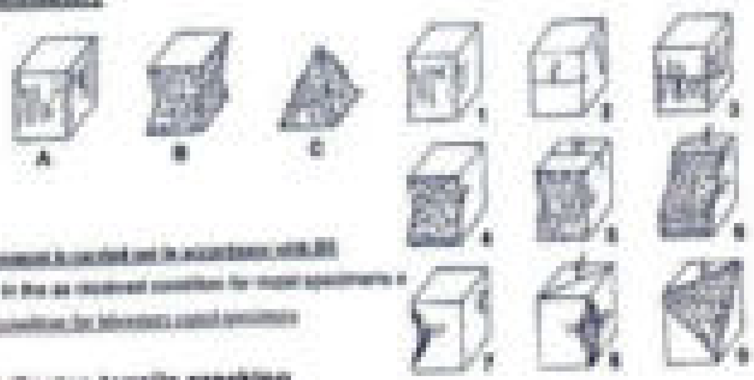
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 310	KG - OPC
STATION :	St.(500+794 to 500+857 (L.R.B1) / st.(500+862 to 500+879 (L.A.R1) st.(500+881 to 500+926 (L.A.R1)		
DATE OF CASTING	11-May-2024	REQUIRED STRENGTH : 350	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/cm³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	8-Jun-24	28	150	9769	2.90	961.8	435.1	415.3
2			150	9865	2.92	875.8	396.4	
3			150	9923	2.94	914.8	414.8	

النسبة	166.1

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for repair specimens & in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5(kN/S) to 9.0(kN/S) or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mahmoud	Ahmed Adel	AMR ATEF
M. Mahmoud	Ahmed Adel	[signature]

AL Sakr للمرسلة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

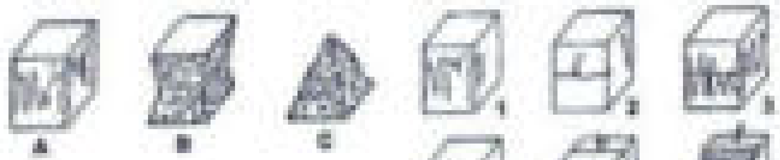
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 350	KG - OPC
STATION :	[illegible] L-0-01 / [illegible] L-0-01		
DATE OF CASTING	12-May-2024	SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

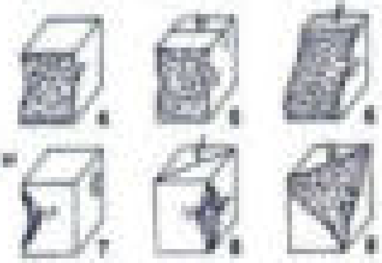
No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	19-May-24	7	150	7765	2.30	669.0	303.1	288.3
2			150	7870	2.33	623.0	282.2	
3			150	7795	2.31	617.0	279.5	

115.3	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory





Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for [illegible] specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q/C MANAGER
Mohamed	Ahmed Adel	AMR ATEF
Mohamed	Ahmed Adel	[signature]

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 310 KG - OPC	
STATION :	st 500+860 - 500+922 L-D-R1 / st 500+929 - 500+950 L-S-R1		
DATE OF CASTING	12-May-2024	REQUIRED STRENGTH : 250 Kg/cm²	
POURED QUANTITY		m³	NO. OF CUBES MADE : 6
CONCRETE SLUMP		Cm	
TARGET SLUMP		Cm	TYPE OF CURING : Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	19-May-24	7	150	7765	2.30	692.0	313.5	301.1
2			150	7870	2.33	665.0	301.2	
3			150	7800	2.31	637.0	288.6	

120.4	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for mold specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S at (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
Mahmoud	Ahmed Adel	AMR ATEF
Mahmoud	Ahmed Adel	[signature]

Al Sakr
الصقر للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	[illegible] L-D-R1 / [illegible] L-D-R1	SPECIFIED STRENGTH :	250 Kg/cm²
DATE OF CASTING	12-May-2024	NO. OF CUBES MADE :	6
POURED QUANTITY	m³		
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/cm³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	9-Jun-24	28	150	7790	2.31	957.0	418.9	420.8
2			150	7985	2.34	996.0	451.2	
3			150	8010	2.37	862.0	400.5	

النسبة	168.3

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks:
[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.4kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
		AMR ATEF
Mohamed	Ahmed Adel	
Mohamed	Ahmed Adel	

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

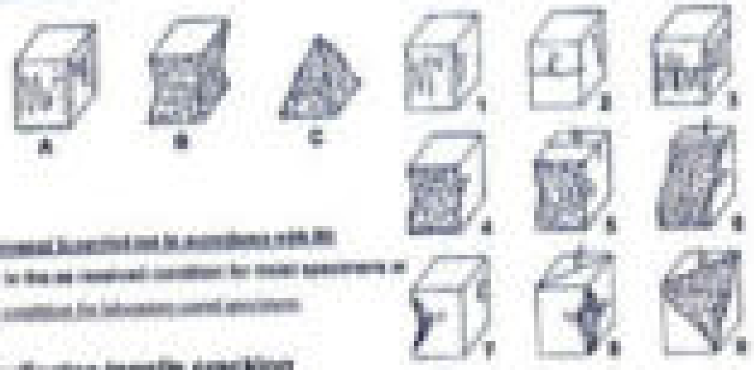
PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	350	KG - OPC
STATION :	st 508+860 - 508+923 L.0-B1 / st 508+929 - 508+958 L.0-B1				
DATE OF CASTING	12-May-2024		REQUIRED STRENGTH :	250	Kg/cm^2
POURED QUANTITY		m^3	NO. OF CUBES MADE :	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water	

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/cm^3)	Failure Load (kN)	Comp. Strength Kg/cm^2	Average kg/cm^2
1	9-Jun-24	28	150	7790	2.31	1049.0	475.2	449.8
2			150	7905	2.34	995.0	450.7	
3			150	8010	2.37	935.0	423.6	

179.9	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for more specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 5.0 kN/S or (6.0kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
Mahmoud	Ahmed Adel	AMR ATEF
Mahmoud	Ahmed Adel	[signature]

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 4720:1991

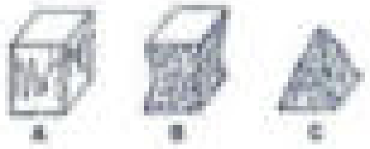
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 350	KG - OPC
STATION :	St.508+756.5 to 508+777.5 (L.S.B.)		
DATE OF CASTING	13-May-2024	SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m^3	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (Kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	20-May-24	7	150	7765	2.30	669.0	283.1	280.3
2			150	7870	2.33	623.0	282.2	
3			150	7799	2.31	617.0	279.5	

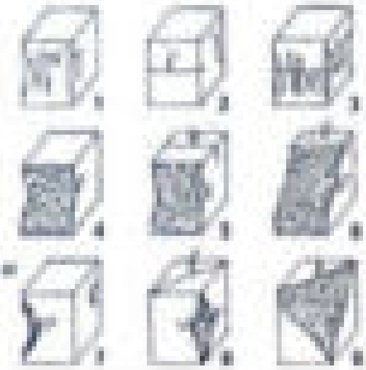
115.3	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory



Unsatisfactory



Remarks:

Results assessment is carried out in accordance with BS 1881 Part 116 in the as received condition for most specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range : 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M.Mahmoud	Ahmed Adel	AMR ATEF
M.Mahmoud	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AND 6097:1989, 4730:1981

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 350	KG - OPC
STATION :	St-500+734.5 to 500+777.5 (LAB)		
DATE OF CASTING	13-May-2024	SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	10-Jun-24	28	150	7930	2.35	787.0	356.5	372.x
2			150	7820	2.32	874.0	395.9	
3			150	7885	2.31	809.0	366.7	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

148.9	النسبة

Satisfactory — Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881-Part 114 in the as received condition for moist specimens or in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
M. Mohamed	Ahmed Adel	AMR ATEF
M. Mohamed	Ahmed Adel	

AL Sakr
شركة الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

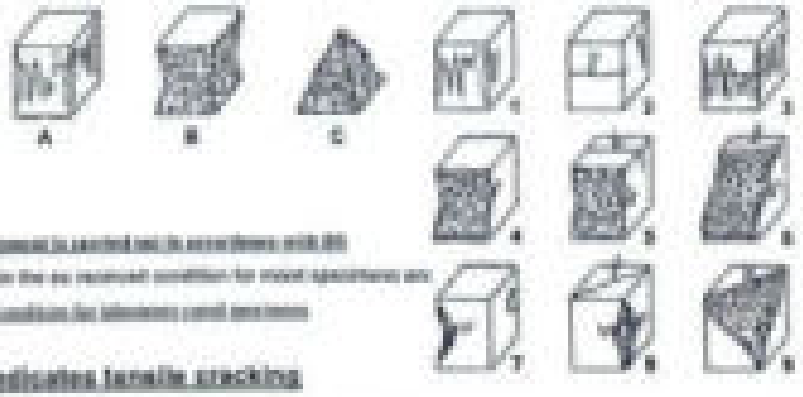
Test Standard BS 1881 - Part 116:1983AMD 6097:1988, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Concrete Content/Type	350	KC - OPC
STATION	at 588+765.0 - 589+774.5 L-H R-I				
DATE OF CASTING	15-May-2024		SPECIFIED STRENGTH	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING	Soak in water	

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	21-May-24	7	150	8075	2.39	628.0	284.5	279.5
2			150	7865	2.33	607.0	275.0	
3			150	8115	2.40	616.0	279.0	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 111.8 | النسبه

Satisfactory — Unsatisfactory



Remarks :

Strength measurements to be carried out in accordance with BS 1881:Part 116 in the as received condition for most specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.3kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF

AL Sakr

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

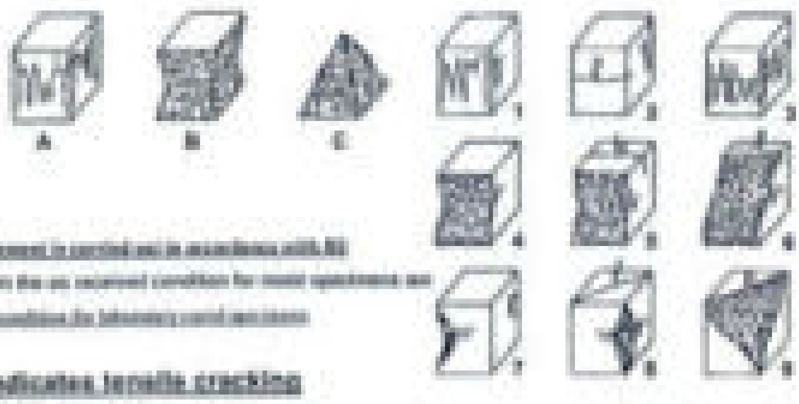
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	st 508+780.5 - 508+897.5 L-6 B.2		
DATE OF CASTING	15-May-2024	SPECIFIED STRENGTH :	250 Kg/cm^2
POURED QUANTITY	m^3	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m^3)	Failure Load (kN)	Comp. Strength Kg/cm^2	Average kg/cm^2
1	22-May-24	7	150	8230	2.44	638.0	289.0	281.0
2			150	7950	2.36	604.0	273.6	
3			150	8015	2.37	619.0	280.4	

112.4	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for [illegible] in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF

AL Sakr للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION :	
Customer	EGY CONTRAC	Cement Content/Type 310	KG - OPC
STATION :	≠ 500+780.5 - 500+697.5 L-S R.1		
DATE OF CASTING	18-May-2024	SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	12-Jun-24	28	150	7898	2.37	866.0	382.3	390.2
2			150	7956	2.36	885.0	400.5	
3			150	8015	2.37	856.0	387.8	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 156.1 | النسبه

Satisfactory **Unsatisfactory**

Remarks:

Results assessment is carried out in accordance with BS 1881:Part 116 in the as received condition for mold specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6728:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	350	KG - OPC
STATION :	st 588+765.0 - 588+774.5 L-D R2				
DATE OF CASTING	15-May-2024		SPECIFIED STRENGTH :	250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water	

n. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	13-Jun-24	28	150	8100	2.40	940.0	425.8	412.5
2			150	7956	2.36	922.0	417.7	
3			150	7990	2.37	870.0	394.1	

165.0	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory

Remarks:

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5(kN/S) to 9.0(kN/S) or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
hesham ElGmal	Ahmed Ali	AMR ATEF
hesham ElGmal	Ahmed Ali	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

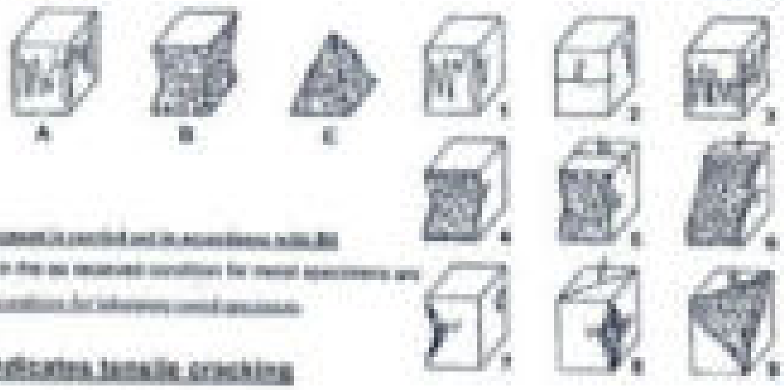
Test Standard BS 1881 - Part 116:1983AND 6097:1988, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 310	KG - OPC
STATION :	st 500+900.5 - 500+931.5 L-S R1 / st 500+861.5 - 500+894.5 L-D R1		
DATE OF CASTING	18-May-2024	POURED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	25-May-24	7	150	8100	2.40	628.0	280.0	277.7
2			150	7935	2.35	580.0	271.1	
3			150	8095	2.40	622.0	282.0	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 111.1 | النسبة

Satisfactory | Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for tested specimens are in the saturated condition for laboratory cured specimens.

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.56KN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
(signature)	(signature)	AMR ATEF
(signature)	(signature)	(signature, stamp)

185 | 185

AL Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AND 6097:1989, 4720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 [illegible]
STATION :	[illegible] L-0 R 2 / [illegible] L-0 R 1		
DATE OF CASTING	16-May-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	15-Jun-24	30	150	8054	2.39	1183.0	499.7	464.0
2			150	7994	2.35	1050.0	475.7	
3			150	8025	2.38	930.0	416.8	

185.6	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C.MANAGER
		[illegible]
[signature]	[signature]	[signature]
[signature]	[signature]	

AL Sakr

للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AND 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	350 KG - OPC
STATION :	st 508+789.5 - 508+792.5 1-D R 1 / st 508+819.5 - 508+821.5 1-D R 1		
DATE OF CASTING	18-May-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Soak in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	15-Jun-24	28	150	7999	2.37	943.8	427.2	445.0
2			150	9956	2.95	991.8	448.9	
3			150	8025	2.38	1013.8	458.9	

178.0	النسبه

MODES OF FAILURE AS PER BS 1881

Satisfactory — Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for cured specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 0.6 kN/S

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
Mohamed Elbaz	Ahmed Adel	AMR ATEF
Mohamed Elbaz	Ahmed Adel	

AL Sakr
الصخرة الذهبية

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 – Part 116:1983AMD 4097:1988, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Concrete Content/Type	350	RG - OPC
STATION :	st 500+926.0 - 500+935.0 L-D R-I				
DATE OF CASTING	28-May-2024		SPECIFIED STRENGTH :	350	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	8	
CONCRETE SLUMP		Cm			
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water	

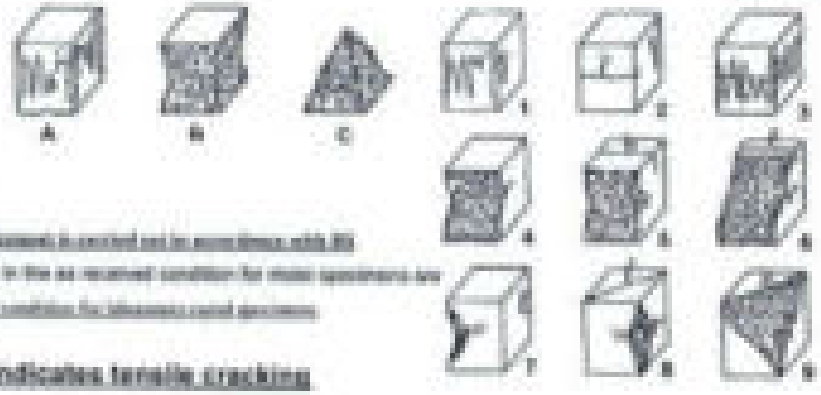
No. Of cubes	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	27-May-24	7	150	8105	2.40	609.0	275.4	273.9
2			150	7886	2.33	605.0	274.1	
3			150	7890	2.34	601.0	272.3	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

109.6 النسبه

Satisfactory

Unsatisfactory



Remarks :

Specific measurement is carried out in accordance with BS

1881 Part 116 in the as received condition for moist specimens and

in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/s to 9.0 kN/S or (0.3kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6097:1989, 6720:1991

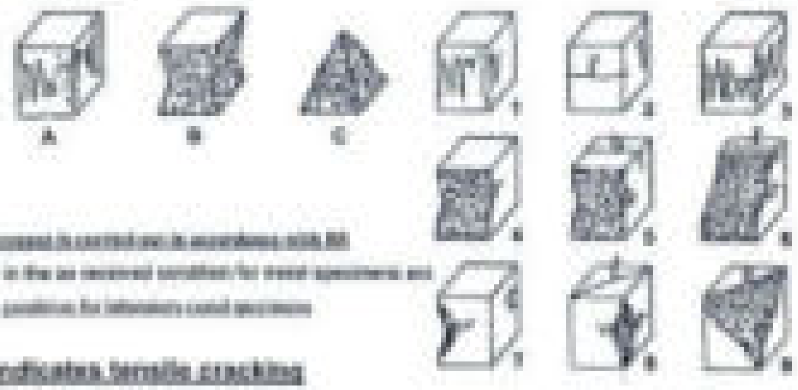
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	at 508+697.5 - 508+936.5 L-D R2		
DATE OF CASTING	20-May-2024	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	27-May-24	7	150	7990	2.38	608.0	275.4	278.4
2			150	8020	2.38	640.0	289.9	
3			150	8015	2.37	596.0	270.0	

النسبة	111.4

MODES OF FAILURE AS PER BS 1881 - Part 116 - 1983

Satisfactory **Unsatisfactory**



Remarks :

Quality assessment is carried out in accordance with BS 1881 Part 116 in the as received condition for tested specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2kN/S to 8.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
[illegible]	Ahmed Adel	AMR ATEF
[illegible]	Ahmed Adel	[illegible]

AL SAKR
معمل الخرسانة
الخرسانة الجاهزة

AL Sakr
الصقر للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AND 6097:1989, 6720:1991

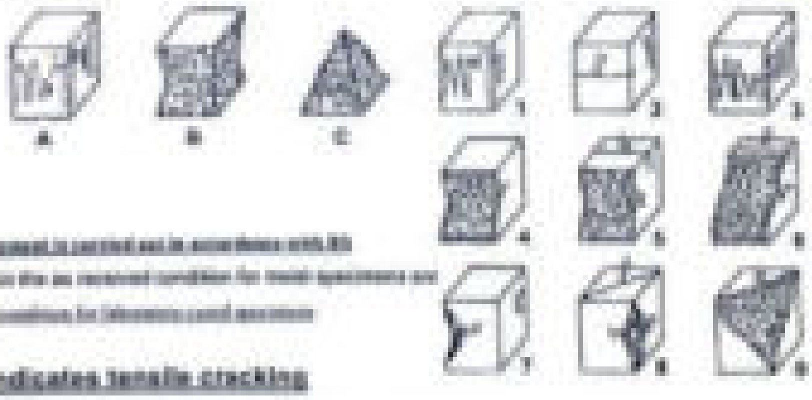
PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	350 KG - OPC
STATION :	st 508+497.5 - 508+516.5 L-D B2			
DATE OF CASTING	20-May-2024		SPECIFIED STRENGTH :	350 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	17-Jun-24	28	150	8025	2.38	925.0	416.1	418.1
2			150	9956	2.95	948.0	425.8	
3			150	9365	2.77	918.0	412.2	

167.2	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory



Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 6.3kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER
Wilson Elanor	Ahmad Ali	AMR ATEF
Wilson Elanor	Ahmad Ali	

Al Sakr
المجموعة الفنية للجودة [illegible]

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

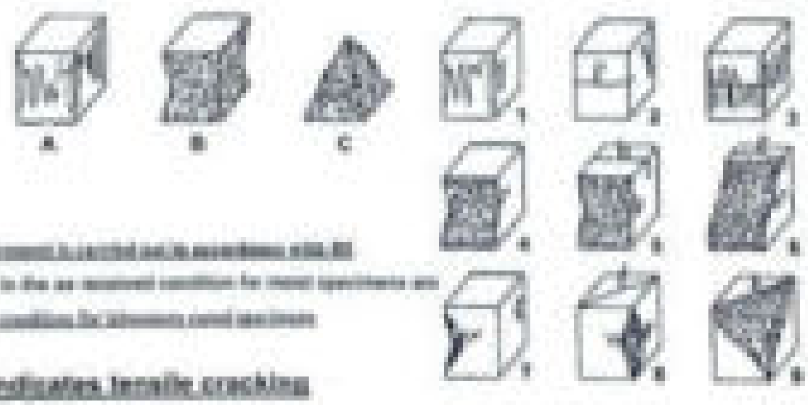
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		
Customer	EGY CONTRAC	STATION	
STATION :		Cement Content/Type 350	KG - OPC
DATE OF CASTING	20-May-2024		
POURED QUANTITY	m^3	SPECIFIED STRENGTH : 350	Kg/cm^2
CONCRETE SLUMP	Cm	NO. OF CUBES MADE : 6	
TARGET SLUMP	Cm	TYPE OF CURING : Soft in water	

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m^3)	Failure Load (kN)	Comp. Strength Kg/cm^2	Average kg/cm^2
1	17-Jun-24	28	150	9765	2.89	981.0	444.4	447.7
2			150	9956	2.95	973.0	440.8	
3			150	9895	2.93	1011.8	458.0	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 179.1 | النسبة

Satisfactory **Unsatisfactory**



Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF

Al Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

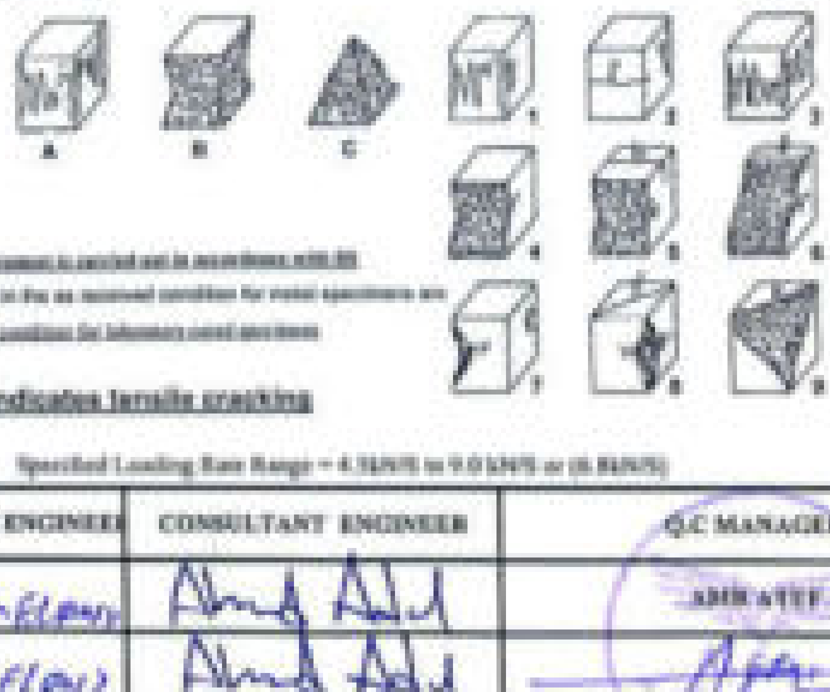
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	338 KG - OPC
STATION :	st 508+633.5 - 508+726.5 L-S B 2		
DATE OF CASTING	21-May-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm)	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	28-May-24	7	150	8098	2.40	672.0	304.4	299.3
2			150	7941	2.35	673.0	304.9	
3			150	7933	2.35	637.0	288.6	

119.7	النسبة

MODES OF FAILURE AS PER BS 1881 - Part 116 - 1983

Satisfactory | Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for ... specimens and in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
[signature]	[signature]	AHB ATEF
[signature]	[signature]	[signature]

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	sl 508+451.5 - 508+726.5 L-S B 2		
DATE OF CASTING	21-May-2024	SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

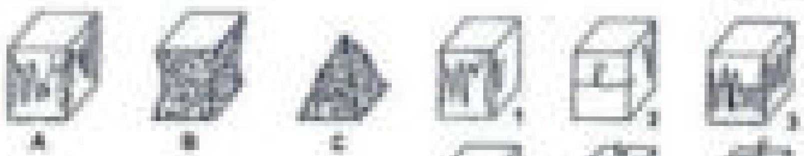
No. Of cub	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	28-May-24	7	150	8340	2.47	622.0	281.8	305.2
2			150	8000	2.37	644.0	291.7	
3			150	8036	2.38	755.0	342.0	

MODES OF FAILURE AS PER BS 1881 : Part 116 - 1983

122.1	النسبه

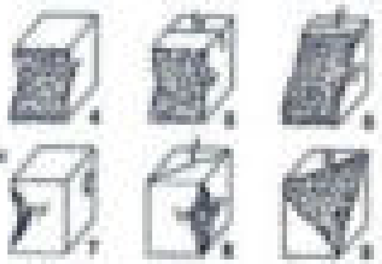
Satisfactory

Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for cube specimens and in the saturated condition for laboratory cored specimens



Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	QC MANAGER

(154)

Al Sakr
الصقر

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 – Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION		
Customer	EGY CONTRAC		Cement Content/Type	310	KG - OPC
STATION	e 508+631.5 - 508+736.5 L-A B3				
DATE OF CASTING	31-May-2024		DESIGN STRENGTH	350	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE	4	
CONCRETE SLUMP		Cm.			
TARGET SLUMP		Cm.	TYPE OF CURING	Sub in water	

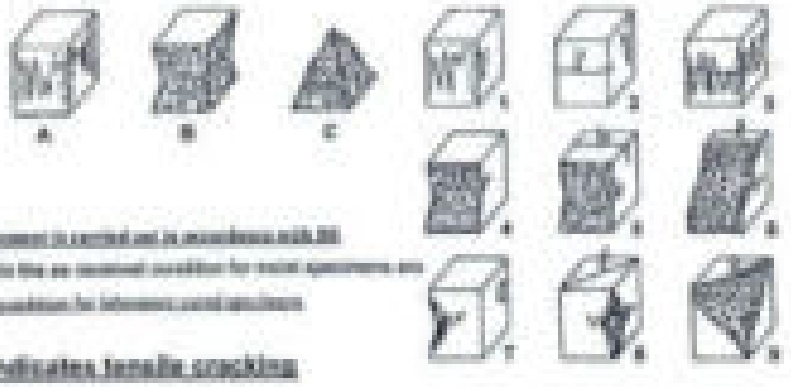
S. No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	18-Jun-24	28	150	8065	2.39	904.8	409.5	497.3
2			150	7941	2.35	1004.8	454.8	
3			150	8045	2.38	1138.8	507.4	

182.9 النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983.

Satisfactory

Unsatisfactory



Remarks :

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2kN/S to 8.8 kN/S or (0.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 4720:1991

PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type	318 KG - OPC
STATION :	st 508+433.5 - 508+726.5 L.S B.1			
DATE OF CASTING	31-May-2024		SPECIFIED STRENGTH :	250 Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	18-Jun-24	28	150	9956	2.95	990.0	448.5	451.0
2			150	9895	2.93	983.0	445.3	
3			150	9845	2.38	1014.0	459.3	

180.4	النسبه

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory

Remarks :

[illegible]

Note : 'T' indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
Hesham Elgaser	Ahmed Adel	AMR ATEF
Hesham Elgaser	Ahmed Adel	

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type 310	KG - OPC
STATION :	st 508+636.5 - 508+723.5 L-D B2		
DATE OF CASTING	23-May-2024	SPECIFIED STRENGTH : 250	Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	30-May-24	7	150	7909	2.34	684.8	273.6	291.0
2			150	7821	2.32	681.8	308.5	
3			150	8150	2.41	642.8	290.8	

116.4	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory — Unsatisfactory

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
[signature]	[signature]	AMR ATEF
[signature]	[signature]	[signature, stamp]

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

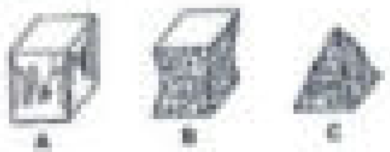
PROJECT	مشروع القطار السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	318 KG - OPC
STATION :	at 508+638.5 - 508+723.5 L-D R1		
DATE OF CASTING	23-May-2024	REQUIRED STRENGTH :	250 Kg/cm²
POURED QUANTITY	m³	NO. OF CUBES MADE :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	30-May-24	7	150	7852	2.33	623.0	282.3	289.3
2			150	7923	2.35	618.0	280.0	
3			150	7906	2.34	675.0	305.8	

115.7	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory



Unsatisfactory

Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for mold specimens are in the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.2kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
		AMR ATEF
[signature]	Ahmed Adel	
[signature]	Ahmed Adel	[signature]

AL Sakr
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983AND 6097:1989, 6720:1991

PROJECT	مشروع القطر السريع	STATION	
Customer	EGY CONTRAC	Cement Content/Type	310 KG - OPC
STATION :	[illegible] L-B B1		
DATE OF CASTING	23-May-2024	[illegible] :	250 Kg/cm²
POURED QUANTITY	m³	[illegible] :	6
CONCRETE SLUMP	Cm		
TARGET SLUMP	Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension (mm) L	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average kg/cm²
1	20-Jun-24	28	150	8179	2.42	928.0	420.4	430.7
2			150	7955	2.36	951.0	430.8	
3			150	7949	2.36	973.0	440.8	

172.3	النسبة

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983

Satisfactory | Unsatisfactory

Remarks :

[illegible]

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = [illegible]

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
Ibrahim Elbary	Ahmed Adel	AMR ATEF
Ibrahim Elbary	Ahmed Adel	[signature]

Al Sakr للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

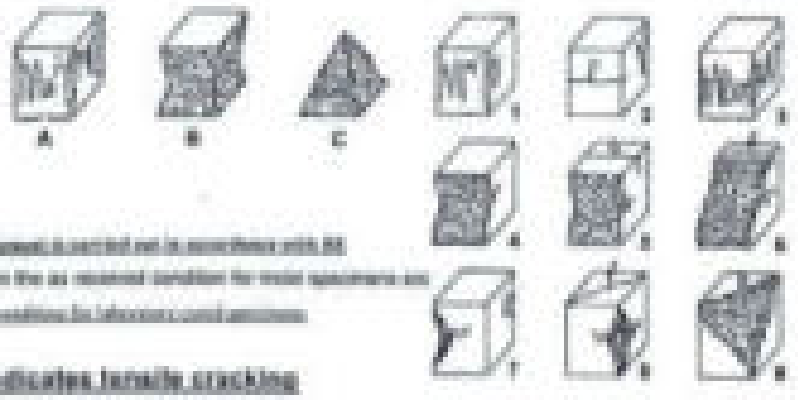
Test Standard BS 1881 - Part 116:1983AMD 6097:1989, 6720:1991

PROJECT	مشروع القطار السريع		STATION	
Customer	EGY CONTRAC		Cement Content/Type 310	KG - OPC
STATION :		# 500+638.5 - 500+723.5 L-D R 2		
DATE OF CASTING	23-May-2024		PROPOSED STRENGTH : 250	Kg/cm²
POURED QUANTITY		m³	NO. OF CUBES MADE : 6	
CONCRETE SLUMP		Cm		
TARGET SLUMP		Cm	TYPE OF CURING :	Sub in water

No. Of cube	Date of Test	Age of Test (Days)	Average Dimension ([illegible])	Weight (g)	Density (kg/m³)	Failure Load (kN)	Comp. Strength Kg/cm²	Average Kg/cm²
1	20-Jun-24	28	150	8199	2.43	924.0	418.6	422.3
2			150	8155	2.42	950.0	430.4	
3			150	8179	2.45	923.0	418.1	

MODES OF FAILURE AS PER BS 1881 : Part 116 : 1983 | 168.9 | النسبة

Satisfactory | Unsatisfactory



Remarks :

Density measurement is carried out in accordance with BS 1881 Part 114 in the as received condition for mold specimens and as the saturated condition for laboratory cured specimens

Note : T indicates tensile cracking

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

COMPANY ENGINEER	CONSULTANT ENGINEER	Q.C MANAGER
hesham elbassi	Amed Adel	AMR ATEF
hesham elbassi	Amed Adel	[signature]

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CONCRETO

CONCRETO READY MIXED CONCRETE
QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 : Part 116:1983

DATE : 13/07/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : محور القطار السريع
Station Side : Barrel /Single / Right Side

Sampling Date	06/07/2024								
Testing Date	13/07/2024								
At Days	7 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 kg/cm^2								
Type of Cement	OPC -350 kg								
ELEMENT No.	500-185 - 500-250								
Sample No.	1	2	3						
Weight	8059	8165	8083						
Load (KN)	766	682	769						
Comp. Strength (kg/cm^2)	347	309	348						
Average (kg/cm^2)	334.8								
Percentage (%)	133.9%								
Overall Average (kg/cm^2)	334.8								
Overall Percentage (%)	133.9%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

QUALITY CONTROL ENGINEER
ENG. Hamdy Ahmed Ghanem

Consultant Engineer

CONCRETO

CONCRETO READY MIXED CONCRETE
QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 : Part 116:1983

DATE : 03/08/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : سور للقطار السريع
Station Side Beam1 /Single / Right Side

Sampling Date	06/07/2024								
Testing Date	03/08/2024								
At Days	28 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm2								
Type of Cement	OPC -310 kg								
ELEMENT No.	508+185 - 508+230								
Sample No.	1	2	3						
Weight	8194	8205	8046						
Load (KN)	831	858	879						
Comp. Strength (Kg/cm^2)	376	388	398						
Average (Kg/cm^2)	384.7								
Percentage (%)	153.9%								
Overall Average (Kg/cm^2)	384.7								
Overall Percentage (%)	153.9%								

Remarks : Specified Loading Rate Range = 0.6kN/S to 0.8 kN/S or (6.8kN/S)

QUALITY CONTROL ENGINEER
ENG. Hamdy Ahmed Ghanem

Consultant Engineer

(173)

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CONCRETO READY MIXED CONCRETE
QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE : 14/07/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : حول المطار السريع
Station Side Beam1 / Single / Right Side

Sampling Date	07/07/2024								
Testing Date	14/07/2024								
At Days	7 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm²								
Type of Cement	OPC -310 kg								
ELEMENT No.	508+233 - 508+350			508+233 - 508+350					
Sample No.	1	2	3	4	5	6			
Weight	8138	8108	8168	8248	8196	8168			
Load (KN)	582	575	663	682	544	598			
Comp. Strength (Kg/cm²)	364	360	389	298	246	267			
Average (Kg/cm²)	371.8			369.7					
Percentage (%)	109.9%			107.9%					
Overall Average (Kg/cm²)	372.3								
Overall Percentage (%)	108.9%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

QUALITY CONTROL ENGINEER
ENG. Hamdy Ahmed Ghanem

Consultant Engineer

(173)

CONCRETO READY MIXED CONCRETE
QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.F

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE : 04/08/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : سهل القطار السريع
Station Side Berm1 / Single / Right Side

Sampling Date	07/07/2024								
Testing Date	04/08/2024								
At Days	28 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	350 Kg/cm2								
Type of Cement	OPC -310 kg								
ELEMENT No.	508+333 - 508+350 NR			508+333 - 508+350 NR					
Sample No.	1	2	3	4	5	6			
Weight	8113	8280	8153	8126	8178	8151			
Load (KN)	639	602	748	753	718	775			
Comp. Strength (Kg/cm^2)	289	272	339	340	325	351			
Average (Kg/cm^2)	300.3			339.4					
Percentage (%)	120.1%			135.7%					
Overall Average (Kg/cm^2)	319.7								
Overall Percentage (%)	127.9%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

QUALITY CONTROL ENGINEER
ENG. Hamdy Ahmed Ghanem

Consultant Engineer

174 175 74

CONCRETO

CONCRETO READY MIXED CONCRETE
QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983

DATE :	15/07/2024
CLIENT :	EGY Contrac
CONSULTANT :	SYSTRA
PROJECT :	ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE :	سور القطار السريع
Station Side	Berm1 / Double Single / Right Side

Sampling Date	08/07/2024								
Testing Date	15/07/2024								
At Days	7 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm²								
Type of Cement	OPC -310 kg								
ELEMENT No.	509+187 - 509+223 D H			509+253 - 509+256 S H					
Sample No.	1	2	3	4	5	6			
Weight	7918	8018	8104	8056	7857	7843			
Load (KN)	523	607	587	589	656	648			
Comp. Strength (Kg/cm²)	237	275	266	267	297	290			
Average (Kg/cm²)	259.3			284.6					
Percentage (%)	103.7%			113.9%					
Overall Average (Kg/cm²)	272.0								
Overall Percentage (%)	108.8%								

Remarks : Specified Loading Rate Range = 4.5KN/S to 9.0 KN/S or (6.8KN/S)

QUALITY CONTROL ENGINEER
ENG. Hamdy Ahmed Ghanem

Consultant Engineer

CONCRETO

CONCRETO READY MIXED CONCRETE
QUALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE :	05/08/2024
CLIENT :	EGY Contrac
CONSULTANT :	SYSTRA
PROJECT :	ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE :	محطة القطار السريع
Station Side	Barrel / Double Single / Right Side

Sampling Date	08/07/2024								
Testing Date	05/08/2024								
At Days	28 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm2								
Type of Cement	OPC -310 kg								
ELEMENT No.	500+182 - 500+313 DR			500+353 - 500+356 SB					
Sample No.	1	2	3	4	5	6			
Weight	8074	8226	8153	7938	8045	8045			
Load (KN)	699	709	640	680	662	739			
Comp. Strength (Kg/cm^2)	317	321	290	308	300	335			
Average (Kg/cm^2)	309.2			314.2					
Percentage (%)	123.7%			125.7%					
Overall Average (Kg/cm^2)	311.7								
Overall Percentage (%)	124.7%								

Remarks : Specified Loading Rate Range = 4.0kN/S to 8.0 kN/S or (6.8kN/S)

QUALITY CONTROL ENGINEER
ENG. Hamdy Ahmed Ghanem

شركة ... د يفدى ميكس
ادارة الجودة

Consultant Engineer

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CONCRETO READY MIXED CONCRETE
QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC S.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE : 16/07/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : حوائط القطار السريع
Station Side Bennt / Double/ Right Side

Sampling Date	09/07/2024									
Testing Date	16/07/2024									
At Days	7 days									
Shape & Dimension Of Spec.	Cube 15x15x15 cm									
Concrete Class	350 Kg/cm²									
Type of Cement	OPC -350 kg									
ELEMENT No.	300+326 - 300+351 D/R									
Sample No.	1	2	3							
Weight	7932	7950	7980							
Load (KN)	700	740	620							
Comp. Strength (Kg/cm²)	310	330	284							
Average (Kg/cm²)	312.4									
Percentage (%)	125.0%									
Overall Average (Kg/cm²)	312.4									
Overall Percentage (%)	125.0%									

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

QUALITY CONTROL ENGINEER
ENG. Hamdy Ahmed Ghanem

Consultant Engineer

CONCRETO

CONCRETO READY MIXED CONCRETE
QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC S.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE : 06/08/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : مسار القطار الكهربائي
Station Side Barrel / Doublet Right Side

Sampling Date	06/07/2024								
Testing Date	06/08/2024								
At Days	28 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm2								
Type of Cement	OPC -350 kg								
ELEMENT No.	608+336 - 608+333 D.R								
Sample No.	1	2	3						
Weight	7912	7987	7908						
Load (KN)	824	805	795						
Comp. Strength (Kg/cm²)	373	365	359						
Average (Kg/cm²)	352.4								
Percentage (%)	141.0%								
Overall Average (Kg/cm²)	352.4								
Overall Percentage (%)	141.0%								

Remarks : Specified Loading Rate Range = 2.5kN/S to 9.0 kN/S or (6.8kN/S)

Consultant Engineer

QUALITY CONTROL ENGINEER
ENG. Hamdy Ahmed Ghanem

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CONCRETO

CONCRETO READY MIXED CONCRETE
QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part (116:1983)

DATE : 21/07/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : حول القطار السريع
Station Side Berm1 / Single / Right Side

Sampling Date	14/07/2024									
Testing Date	21/07/2024									
At Days	7 days									
Shape & Dimension Of Spec.	Cube 15x15x15 cm									
Concrete Class	250 Kg/cm²									
Type of Cement	OPC -310 kg									
ELEMENT No.	500+359 - 500+446 NR			500+359 - 500+446 NR						
Sample No.	1	2	3							
Weight	8048	8054	8013	8177	8155	8122				
Load (KN)	571	597	650	642	635	600				
Comp. Strength (Kg/cm²)	339	276	294	291	288	279				
Average (Kg/cm²)	274.3			284.3						
Percentage (%)	109.8%			113.7%						
Overall Average (Kg/cm²)	279.4									
Overall Percentage (%)	101.8%									

Remarks : Specified Loading Rate Range : 0.5KN/S to 9.0 KN/S or (6.5KN/S)

QUALITY CONTROL ENGINEER
ENG. Hamdy Ahmed Ghanem

Consultant Engineer

CONCRETO READY MIXED CONCRETE
QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE : 11/08/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : سور القطار السريع
Station Side: Bovert / Single / Right Side

Sampling Date	14/07/2024								
Testing Date	11/08/2024								
At Days	28 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm2								
Type of Cement	OPC -310 kg								
ELEMENT No.	508+339 - 508+446 SB			508+339 - 508+446 SB					
Sample No.	1	2	3	4	5	6			
Weight	8084	8200	8061	8046	8057	8000			
Load (KN)	677	657	717	667	641	731			
Comp. Strength (Kg/cm^2)	307	298	325	302	290	322			
Average (Kg/cm^2)	309.7			304.9					
Percentage (%)	123.9%			121.9%					
Overall Average (Kg/cm^2)	307.3								
Overall Percentage (%)	122.9%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

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QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE :	22/07/2024
CLIENT :	EGY Contrac
CONSULTANT :	SYSTRA
PROJECT :	ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE :	سور القطار السريع
Station Side	Berm /Double ,Single / Right Side

Sampling Date	15/07/2024								
Testing Date	22/07/2024								
At Days	7 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm^2								
Type of Cement	OPC -310 kg								
ELEMENT No.	508+256 - 508+443 DH			508+449 - 508+476 SR					
Sample No.	1	2	3						
Weight	8092	8028	8111	7909	7840	7908			
Load (KN)	524	505	538	504	599	542			
Comp. Strength (Kg/cm^2)	237	229	244	228	270	246			
Average (Kg/cm^2)	236.6			247.9					
Percentage (%)	94.6%			99.2%					
Overall Average (Kg/cm^2)	242.3								
Overall Percentage (%)	96.9%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

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QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE : 12/08/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : مبنى انتظار المترو
Station Side : Barrel /Double /Single / Right Side

Sampling Date	15/07/2024								
Testing Date	12/08/2024								
At Days	28 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm2								
Type of Cement	OPC -310 kg								
ELEMENT No.	508+356 - 508+443 DR			508+449 - 508+476 SR					
Sample No.	1	2	3	4	5	6			
Weight	7904	7889	7807	7973	8109	8118			
Load (KN)	699	668	734	683	567	636			
Comp. Strength (Kg/cm²)	316	299	335	296	257	288			
Average (Kg/cm²)	316.9			280.3					
Percentage (%)	126.8%			112.1%					
Overall Average (Kg/cm²)	298.1								
Overall Percentage (%)	119.2%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.88kN/S)

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QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC S.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE : 23/07/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : مسار القطار الكهربي
Station Side : Berm1 /Double / Right Side

Sampling Date	16/07/2024								
Testing Date	23/07/2024								
At Days	7 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm²								
Type of Cement	OPC -350 kg								
ELEMENT No.	885+446 - 368+473 DR								
Sample No.	1	2	3						
Weight	7802	7797	7858						
Load (KN)	498	519	504						
Comp. Strength (Kg/cm²)	226	235	228						
Average (Kg/cm²)	229.7								
Percentage (%)	91.9%								
Overall Average (Kg/cm²)	229.7								
Overall Percentage (%)	91.9 %								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.3kN/S)

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE :	13/08/2024
CLIENT :	EGY Contrac
CONSULTANT :	SYSTRA
PROJECT :	ELECTRIC EXPRESS TRAIN حوز القطار السريع
STRUCTURE TYPE :	Berm1 /Double / Right Side
Station Side	

Sampling Date	16/07/2024		
Testing Date	13/08/2024		
At Days	28 days		
Shape & Dimension Of Spec.	Cube 15x15x15 cm		
Concrete Class	250 Kg/cm2		
Type of Cement	OPC 310 kg		
ELEMENT No.	308+446 - 308+472 DB		
Sample No.	1	2	3
Weight	7888	7870	7918
Load (KN)	651	575	616
Comp. Strength (Kg/cm²)	295	260	279
Average (Kg/cm²)	278.3		
Percentage (%)	111.3%		
Overall Average (Kg/cm²)	278.3		
Overall Percentage (%)	111.3%		

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

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QUALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE :	28/07/2024
CLIENT :	EGY Contrac
CONSULTANT :	SYSTRA
PROJECT :	ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE :	حول القطار السريع
Station Side	Barret /Single / Right Side

Sampling Date	21/07/2024								
Testing Date	28/07/2024								
At Days	7 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 kg/cm²								
Type of Cement	OPC -310 kg								
ELEMENT No.	300+479 - 300+560 SB			300+479 - 300+560 SB					
Sample No.	1	2	3	4	5	6			
Weight	8154	8146	8271	8152	8223	8156			
Load (KN)	696	525	760	731	598	598			
Comp. Strength (Kg/cm²)	315	238	353	331	271	271			
Average (Kg/cm²)	302.2			291.3					
Percentage (%)	120.9%			116.5%					
Overall Average (Kg/cm²)	296.6								
Overall Percentage (%)	118.7%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

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NORTH COAST SECTOR
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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983

DATE :	18/08/2024
CLIENT :	EGY Contrac
CONSULTANT :	SYSTRA
PROJECT :	ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE :	سول القطار السريع
Station Side	Berm1 /Single / Right Side

Sampling Date	21/07/2024								
Testing Date	18/08/2024								
At Days	28 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm2								
Type of Cement	OPC .318 kg								
ELEMENT No.	508+479 – 508+560 SR			508+479 – 508+560 SR					
Sample No.	1	2	3	4	5	6			
Weight	8192	8198	8130	8202	8178	8277			
Load (KN)	871	947	867	625	740	687			
Comp. Strength (Kg/cm^2)	395	429	391	283	337	311			
Average (Kg/cm^2)	404.8			310.5					
Percentage (%)	161.9%			124.2%					
Overall Average (Kg/cm^2)	357.6								
Overall Percentage (%)	143.1%								

Remarks : Specified Loading Rate Range = 4.5KN/S to 9.0 KN/S or (6.8KN/S)

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QYALITY CONTROL DEPATEMENT
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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE : 29/07/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : مول القطار السريع
Station Side Barrel /Double/ Right Side

Sampling Date	21/07/2024								
Testing Date	29/07/2024								
At Days	7 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm²								
Type of Cement	OPC -310 kg								
ELEMENT No.	969+476 - 969+521 DR								
Sample No.	1	2	3						
Weight	8167	8260	8366						
Load (KN)	688	680	667						
Comp. Strength (Kg/cm²)	312	308	302						
Average (Kg/cm²)	307.3								
Percentage (%)	122.9%								
Overall Average (Kg/cm²)	307.3								
Overall Percentage (%)	122.9%								

Remarks : Specified Loading Rate Range = 4.35KN/S to 9.8 KN/S or (6.8KN/S)

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NORTH COAST SECTOR
SODIC S.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 : Part 116:1983

DATE : 18/05/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : مترو القطار السريع
Station Side Barrel /Double/ Right Side

Sampling Date	11/05/2024								
Testing Date	18/05/2024								
At Days	28 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm2								
Type of Cement	OPC 310 kg								
ELEMENT No.	508+476 – 508+521.500								
Sample No.	1	2	3						
Weight	8173	8195	8156						
Load (KN)	693	699	707						
Comp. Strength (Kg/cm²)	314	317	320						
Average (Kg/cm²)	316.9								
Percentage (%)	126.8%								
Overall Average (Kg/cm²)	316.9								
Overall Percentage (%)	126.8%								

Remarks : Specified Loading Rate Range = 4.5kN/s to 9.0 kN/s or (6.8kN/s)

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QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116/1983

DATE :	30/07/2024
CLIENT :	EGY Contrac
CONSULTANT :	SYSTRA
PROJECT :	ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE :	سور القطار السريع
Station Side	Berm1 /Single/ Right Side

Sampling Date	23/07/2024								
Testing Date	30/07/2024								
At Days	7 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm²								
Type of Cement	OPC -315 kg								
ELEMENT No.	508+563 - 508+650 SR			508+563 - 508+650 SR					
Sample No.	1	2	3	4	5	6			
Weight	8135	8160	8298	8092	8083	8074			
Load (KN)	569	605	550	595	670	652			
Comp. Strength (Kg/cm²)	258	274	249	270	304	295			
Average (Kg/cm²)	260.3			289.5					
Percentage (%)	104.1%			115.8%					
Overall Average (Kg/cm²)	274.9								
Overall Percentage (%)	110.0%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

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QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

Test Standard BS 1881 - Part 116:1983

DATE :	20/08/2024
CLIENT :	EGY Contrac
CONSULTANT :	SYSTRA
PROJECT :	ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE :	سور القطار السريع
Station Side	Berm1 /Single/ Right Side

Sampling Date	23/07/2024								
Testing Date	20/08/2024								
At Days	28 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm2								
Type of Cement	OPC -310 kg								
ELEMENT No.	508+563 - 508+650 SR			508+563 - 508+650 SR					
Sample No.	1	2	3	4	5	6			
Weight	8164	8136	8055	8049	8077	8029			
Load (KN)	638	734	678	677	696	707			
Comp. Strength (Kg/cm^2)	289	333	307	307	315	320			
Average (Kg/cm^2)	309.6			314.3					
Percentage (%)	123.8%			125.6%					
Overall Average (Kg/cm^2)	311.8								
Overall Percentage (%)	124.7%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

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QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE : 31/07/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : مدخل القطار السريع
Station Side Berm1 (Double) Right Side

Sampling Date	24/07/2024								
Testing Date	31/07/2024								
At Days	7 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	350 Kg/cm^2								
Type of Cement	OPC -310 kg								
ELEMENT No.	900+824 - 900+685 DR			900+688 - 900+641 DR					
Sample No.	1	2	3	4	5	6			
Weight	8124	8020	8190	8049	8000	8064			
Load (KN)	522	554	524	528	609	549			
Comp. Strength (Kg/cm^2)	336	351	337	339	376	349			
Average (Kg/cm^2)	341.6			354.6					
Percentage (%)	96.6%			101.8%					
Overall Average (Kg/cm^2)	348.1								
Overall Percentage (%)	99.2%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

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QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DEETERMYATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE : 21/08/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : مسار القطار السريع
Station Side Barrett (Double) Right Side

Sampling Date	24/07/2024								
Testing Date	21/08/2024								
At Days	28 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm2								
Type of Cement	OPC .350 kg								
ELEMENT No.	508+524 - 508+605 DR			508+686 - 508+641 DR					
Sample No.	1	2	3	4	5	6			
Weight	8033	8014	8063	8028	8015	8120			
Load (kN)	714	670	630	687	650	574			
Comp. Strength (Kg/cm²)	323	304	285	311	294	260			
Average (Kg/cm²)	304.3			288.8					
Percentage (%)	121.6%			115.5%					
Overall Average (Kg/cm²)	296.9								
Overall Percentage (%)	118.8%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

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QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE :	03/08/2024
CLIENT :	EGY Contrac
CONSULTANT :	SYSTRA
PROJECT :	ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE :	سور القطار السريع
Station Side	Berm1 /Double , Single/ Right Side

Sampling Date	27/07/2024								
Testing Date	03/08/2024								
At Days	7 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm^2								
Type of Cement	OPC -310 kg								
ELEMENT No.	508+653 - 508+704 SR			508+644 - 508+653 DR					
Sample No.	1	2	3	4	5	6			
Weight	8128	8099	8136	8022	8017	8148			
Load (KN)	585	534	594	643	625	606			
Comp. Strength (Kg/cm^2)	265	242	269	291	283	275			
Average (Kg/cm^2)	258.7			283.0					
Percentage (%)	103.5%			113.2%					
Overall Average (Kg/cm^2)	270.8								
Overall Percentage (%)	108.3%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

QUALITY CONTROL ENGINEER
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Ahmed Adel

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QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE :	24/08/2024
CLIENT :	EGY Contrac
CONSULTANT :	SYSTRA
PROJECT :	ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE :	سور القطار السريع
Station Side	Berm1 /Double , Single/ Right Side

Sampling Date	27/07/2024								
Testing Date	24/08/2024								
At Days	28 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm2								
Type of Cement	OPC -310 kg								
ELEMENT No.	508+632 - 508+764 SR			508+644 - 508+652 DR					
Sample No.	1	2	3	4	5	6			
Weight	8030	8069	8046	8177	8112	8153			
Load (KN)	611	691	685	690	729	706			
Comp. Strength (Kg/cm²)	277	313	310	313	330	320			
Average (Kg/cm²)	300.0			320.9					
Percentage (%)	120.0%			128.4%					
Overall Average (Kg/cm²)	310.5								
Overall Percentage (%)	124.2%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

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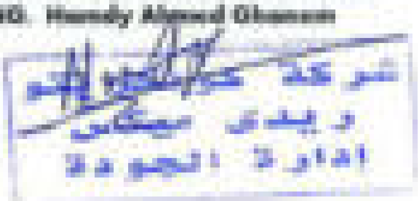

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QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE : 04/08/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : سور القطار السريع
Station Side Berm1 (Double , Single) Right Side

Sampling Date	28/07/2024								
Testing Date	04/08/2024								
At Days	7 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm^2								
Type of Cement	OPC -310 kg								
ELEMENT No.	508+712 -508+812 NR			508+662 - 508+701 DR					
Sample No.	1	2	3	4	5	6			
Weight	8139	8291	8144	8180	8284	8145			
Load (KN)	674	569	658	576	577	601			
Comp. Strength (Kg/cm^2)	300	331	294	261	261	272			
Average (Kg/cm^2)	276.8			264.9					
Percentage (%)	110.7%			105.9%					
Overall Average (Kg/cm^2)	270.8								
Overall Percentage (%)	108.3%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.86kN/S)

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CONCRETO READY MIXED CONCRETE
QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116/1983

DATE : 25/08/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : سور النفق السريع
Station Side Berm1 /Double , Single/ Right Side

Sampling Date	28/07/2024								
Testing Date	25/08/2024								
At Days	28 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	350 Kg/cm2								
Type of Cement	OPC -310 kg								
ELEMENT No.	588+713 -588+812 SR			588+662 - 588+781 DR					
Sample No.	1	2	3	4	5	6			
Weight	8188	8198	8190	8142	8135	8187			
Load (KN)	612	695	720	685	732	724			
Comp. Strength (Kg/cm^2)	277	310	324	310	332	327			
Average (Kg/cm^2)	304.1			323.0					
Percentage (%)	122.4%			129.1%					
Overall Average (Kg/cm^2)	314.5								
Overall Percentage (%)	125.8%								

Remarks : Specified Loading Rate Range = 4.0kN/S to 8.0 kN/S or (0.8kN/S)

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CONCRETO

CONCRETO READY MIXED CONCRETE
QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC B.P

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part 116:1983

DATE : 05/08/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : محل الفطر السريع
Station Side : Berm1 (Double , Single) Right Side

Sampling Date	29/07/2024								
Testing Date	05/08/2024								
At Days	7 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	250 Kg/cm^2								
Type of Cement	OPC -310 kg								
ELEMENT No.	588+704 - 588+797 SB			588+815 - 588+818 SB					
Sample No.	1	2	3	4	5	6			
Weight	8200	8178	8070	8234	8200	8102			
Load (KN)	594	585	549	647	579	597			
Comp. Strength (Kg/cm^2)	369	265	249	293	262	270			
Average (Kg/cm^2)	268.9			275.3					
Percentage (%)	164.4%			168.1%					
Overall Average (Kg/cm^2)	268.1								
Overall Percentage (%)	107.3%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (6.8kN/S)

QUALITY CONTROL ENGINEER
ENG. Hamdy Abdel Ghaneem

Approved

Consultant Engineer

CONCRETO READY MIXED CONCRETE
QYALITY CONTROL DEPATEMENT
NORTH COAST SECTOR
SODIC BJP

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES
Test Standard BS 1881 - Part (116:1983)

DATE : 26/08/2024
CLIENT : EGY Contrac
CONSULTANT : SYSTRA
PROJECT : ELECTRIC EXPRESS TRAIN
STRUCTURE TYPE : جول القطار السريع
Station Side : Barrel (Double , Single) Right Side

Sampling Date	29/07/2024								
Testing Date	26/08/2024								
At Days	28 days								
Shape & Dimension Of Spec.	Cube 15x15x15 cm								
Concrete Class	350 Kg/cm2								
Type of Cement	OPC -310 kg								
ELEMENT No.	508+784 - 508+797 DR			508+813 - 508+818 SR					
Sample No.	1	2	3	4	5	6			
Weight	8120	8185	8054	8120	8140	8162			
Load (KN)	677	712	739	655	685	698			
Comp. Strength (Kg/cm²)	397	323	328	297	310	316			
Average (Kg/cm²)	321.3			307.7					
Percentage (%)	128.5%			123.1%					
Overall Average (Kg/cm²)	314.5								
Overall Percentage (%)	125.8%								

Remarks : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.3kN/S)

QUALITY CONTROL ENGINEER
ENG: Hamdy Ahmed Ghanem

Consultant Engineer