

97 TROOP AVE., DARTMOUTH, N.S. B3B 2A7 - TEL (902) 468-6486 FAX 468-4919

**Client:**

Fares Construction Ltd.  
3480 Joseph Howe Drive, 5th Floor  
Halifax, Nova Scotia  
B3L 4H7

**Our Project No.:**

B-0020302-1

**Client Contract No.:**
**Client PO.:**
**Contractor:**
**CC:**
**Fax**
**Attn:** Michael J. Salah

**Fax**
**Project:** Brenton Suites - Concrete Testing

**Email** michael.salah@wmfares.com

Set No: 56		No. Of Specimens: 3		Date Cast: 20 May 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	27 May 2020	7	102	2356	317	38.8	A	<input checked="" type="checkbox"/>
B	17 Jun 2020	28	102	2357	390	47.7	A	<input checked="" type="checkbox"/>
C	17 Jun 2020	28	102	2357	387	47.4	A	<input checked="" type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>

Specified Properties		Test Information		Sample pickup at Site :	
Strength @28 days(MPa):	30	Conc Temp°C	13.0	Slump (mm)	185
Slump (mm):	160 Max	Air Temp°C :	10	Air(%) :	5.8
Air (%) :	5 - 7	Cast Time:	08:30	Cast By:	MTL
Max Agg Size (mm):	20	Initial curing Temp (CSA: 15 - 25° C)			
		Minimum:		Maximum:	
Supplier Information		Initial Curing Conditions :		Rec'd Sample at Lab :	
Supplier:	OSCO	Inside curing box		Date :	
Batch Time:	06:28	Test samples cast in reusable hard plastic moulds.		Time :	
Truck No.:	52004	Section: Suspended slab.		Rec'd Sample at Lab :	
Ticket No.:	3074251	Location: Level 7 GL 12 to 7.		Date :	
Strength Delivered:	30 (MPa)	Comments: JN1		Time :	
Mix No:	30201A20				
Load Vol:	7.65 m <sup>3</sup>				
Cum Vol:	7.65 m <sup>3</sup>				
Additives:					
Heat	<input type="checkbox"/> Superplasticizer <input checked="" type="checkbox"/>				
Silica fume	<input type="checkbox"/> Flyash <input type="checkbox"/>				
Set Retarder	<input type="checkbox"/> Air Entrainment <input checked="" type="checkbox"/>				
Water Reducer	<input type="checkbox"/> Accelerators <input type="checkbox"/>				
H2O Added	<input type="checkbox"/> Authorized B				

**Standby:** 0

**Record No** 51552 **Englobe Tech:** JN

**PER** 
 CSA CERTIFIED  
LABORATORY FOR TESTING

For testing conducted by this company, procedures are carried out in accordance with CSA-A23.2. Reporting of these test results constitutes a testing service only. Engineering interpretation or evaluation of test results is provided only on request.

N/A - Not Applicable or Not Available

Project manager : Peter Salah



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**Fax**
**Project:** Brenton Suites - Concrete Testing

**Email** michael.salah@wmfares.com

Set No: 57		No. Of Specimens: 3		Date Cast: 20 May 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	27 May 2020	7	102	2329	307	37.6	A	<input checked="" type="checkbox"/> A
B	17 Jun 2020	28	102	2340	389	47.6	A	<input checked="" type="checkbox"/> B
C	17 Jun 2020	28	102	2365	382	46.7	A	<input checked="" type="checkbox"/> C
								<input checked="" type="checkbox"/> D
								<input checked="" type="checkbox"/> E
								<input checked="" type="checkbox"/> F

  

Specified Properties		Test Information		Sample pickup at Site :
Strength @28 days(MPa):	30	Conc Temp°C	15.0	Date :
Slump (mm):	160 Max	Slump (mm)	190	Time :
Air (%):	5 - 7	Air Temp°C :	11	Rec'd Sample at Lab :
Max Agg Size (mm):	20	Air(%):	6.7	Date :
		Cast Time:	10:15	Time :
		Cast By:	MTL	
Supplier Information		Initial curing Temp (CSA: 15 - 25°C)		
Supplier: OSCO		Minimum: Maximum:		
Batch Time: 09:04		Initial Curing Conditions :		
Truck No.: 52005		Inside curing box		
Ticket No.: 3074262		Test samples cast in reusable hard plastic moulds.		
Strength Delivered: 30 (MPa)		Section: Suspended slab.		
Mix No: 30201A20		Location: Level 7 GL 12 to 7.		
Load Vol: 7.65 m <sup>3</sup>		Comments: JN2		
Cum Vol: 61.20 m <sup>3</sup>				
Additives:				
Heat	<input type="checkbox"/> Superplasticizer <input checked="" type="checkbox"/>			
Silica fume	<input type="checkbox"/> Flyash <input type="checkbox"/>			
Set Retarder	<input type="checkbox"/> Air Entrainment <input checked="" type="checkbox"/>			
Water Reducer	<input type="checkbox"/> Accelerators <input type="checkbox"/>			
H2O Added <input type="checkbox"/> Authorized B				

**Standby:** 0

**Record No** 51553 **Englobe Tech:** JN

**PER**


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N/A - Not Applicable or Not Available

Project manager : Peter Salah



# Englobe

## CONCRETE TEST REPORT

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Attn: Michael J. Salah

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Project: Brenton Suites - Concrete Testing

Email michael.salah@wmfares.com

Set No: 61		No. Of Specimens: 3		Date Cast: 10 Jun 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	17 Jun 2020	7	102	2353	287	35.1	A	<input checked="" type="checkbox"/>
B	08 Jul 2020	28	102	2351				<input checked="" type="checkbox"/>
C	08 Jul 2020	28	102	2357				<input checked="" type="checkbox"/>
								<input checked="" type="checkbox"/>
								<input checked="" type="checkbox"/>
								<input checked="" type="checkbox"/>
								<input checked="" type="checkbox"/>

  

Specified Properties		Test Information		Sample pickup at Site :	
Strength @28 days(MPa):	30	Conc Temp°C	17.0	Slump (mm)	190
Slump (mm):	190 Max	Air Temp°C :	11	Air(%) :	4.0
Air (%) :	No AEA	Cast Time:	08:05	Cast By:	MTL
Max Agg Size (mm):	20	Initial curing Temp (CSA: 15 - 25°C)		Rec'd Sample at Lab :	
		Minimum: Maximum:		Date :	
		Initial Curing Conditions :		Time :	
		Inside curing box		Date :	
		Test samples cast in reusable hard plastic moulds.		Time :	
		Section: Suspended slab.			
		Location: Level 8 GL 6 to 2.			
		Comments: JN1			

  

Supplier Information	
Supplier:	OSCO
Batch Time:	06:59
Truck No.:	52005
Ticket No.:	3075245
Strength Delivered:	30 (MPa)
Mix No:	30201N20
Load Vol:	7.65 m <sup>3</sup>
Cum Vol:	7.65 m <sup>3</sup>
Additives:	
Heat <input type="checkbox"/>	Superplasticizer <input checked="" type="checkbox"/>
Silica fume <input type="checkbox"/>	Flyash <input type="checkbox"/>
Set Retarder <input type="checkbox"/>	Air Entrainment <input type="checkbox"/>
Water Reducer <input type="checkbox"/>	Accelerators <input type="checkbox"/>
H2O Added <input type="checkbox"/> Authorized B	

Standby: 0

Record No 51804 Englobe Tech: JN

PER *[Signature]*



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**Project:** Brenton Suites - Concrete Testing

**Email** michael.salah@wmfares.com

Set No: 62		No. Of Specimens: 3		Date Cast: 10 Jun 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	17 Jun 2020	7	102	2349	224	27.4	A	<input checked="" type="checkbox"/>
B	08 Jul 2020	28	102	2344				<input checked="" type="checkbox"/>
C	08 Jul 2020	28	102	2359				<input checked="" type="checkbox"/>
								<input checked="" type="checkbox"/>
								<input checked="" type="checkbox"/>
								<input checked="" type="checkbox"/>

  

Specified Properties		Test Information		Sample pickup at Site :	
Strength @28 days(MPa):	30	Conc Temp°C	18.5	Slump (mm)	180
Slump (mm):	190 Max	Air Temp°C :	16	Air(%) :	3.9
Air (%) :	No AEA	Cast Time:	09:55	Cast By:	MTL
Max Agg Size (mm):	20	Initial curing Temp (CSA: 15 - 25° C)		Rec'd Sample at Lab :	
		Minimum: Maximum:		Date :	
		Initial Curing Conditions :		Time :	
		Inside curing box		Date :	
		Test samples cast in reusable hard plastic moulds.		Time :	
		Section: Suspended slab.			
		Location: Level 8 GL 6 to 2.			
		Comments: JN2			

  

Supplier Information	
Supplier:	OSCO
Batch Time:	08:51
Truck No.:	50716
Ticket No.:	3075259
Strength Delivered:	30 (MPa)
Mix No:	30201N20
Load Vol:	7.65 m <sup>3</sup>
Cum Vol:	45.90 m <sup>3</sup>
Additives:	
Heat	<input type="checkbox"/> Superplasticizer <input checked="" type="checkbox"/>
Silica fume	<input type="checkbox"/> Flyash <input type="checkbox"/>
Set Retarder	<input type="checkbox"/> Air Entrainment <input type="checkbox"/>
Water Reducer	<input type="checkbox"/> Accelerators <input type="checkbox"/>
H2O Added	<input type="checkbox"/> Authorized B

**Standby:** 0

**Record No** 51805 **Englobe Tech:** JN

**PER** 

**CCIL** CSA CERTIFIED  
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