

LABORATORY SERVICES REPORT

Report Number: A1161172.0001
Service Date: 01/03/17
Report Date: 01/30/17 Revision 2 - Results

Terracon
 6198 Imperial Loop
 College Station, TX 77845-5765
 979-846-3767 Reg No: F-3272

Client

Societe Nouvelle Du Littoral
 Attn: Jacques Vecoven
 Z.A. B.P. 9 11370
 Leucate, FR 00000000000

Project

ASTM C778 Study
 Terracon Lab
 College Station, TX 77845

Project Number: A1161172

ASTM C 778 – Specification for Standard Sand (Graded)				
ASTM C 136 – Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates				
U.S. Standard Sieve Size		ASTM C 778 Requirement	Measured (As Received)	Meets Specification
No. 16	1.18 mm	100	100.0	Yes
No. 30	600 µm	96 to 100	97.5	Yes
No. 40	425 µm	65 to 75	75.0	Yes
No. 50	300 µm	20 to 30	26.5	Yes
No 100	150 µm	0 to 4	0.3	Yes

ASTM C 185 – Standard Test Method for Air Content of Hydraulic Cement Mortar		
ASTM C 778 Requirement	Measured % Difference	Meets Specification
Max % difference in air content of mortars made with washed and unwashed sand		
1.5	0.09	Yes

ASTM C 127 – Bulk Specific Gravity (SSD) of Mortar Cubes		7- day Compressive Strengths ASTM C 109	
As Received Sand	Washed Sand	As Received Sand	Washed Sand
2.152	2.155	4470	4740
2.167	2.158	4950	5000
2.165	2.159	5050	4950
2.154	2.159	4960	4890
2.151	2.162	5050	4770
2.173	2.167	5040	4980

Services:

Terracon Rep.: Anthony Canatella
Reported To:
Contractor:
Report Distribution:
 (1) Societe Nouvelle Du Littoral, Jacques Vecoven



Start/Stop:

Reviewed By:

[Signature]
 Mark E. Dornak, P.E.
 Project Manager

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.