

**SUMMARY OF PHYSICAL TESTING  
 FULL CIRCLE AGGREGATES, LLC  
 GRANITEVILLE, SOUTH CAROLINA  
 NATURAL SAND (10NS)  
 SOURCE NO. 249F**

**TABLE 1**

Date Sampled	Sample Number	Product	Total Percent by Weight Passing Each Sieve					
			3/8in 9.5mm (100)	No.4 4.75mm (95-100)	No.16 1.18mm (45-95)	No.50 300µm (5-30)	No.100 150µm (0-10)	No.200 75µm (0-3)
10/19/2016	5647	10NS	100	99.8	84.8	8.1	1.1	0.2
10/19/2016	1237	10NS	100	99.4	84.4	8.6	1.4	0.3
10/19/2016	1610	10NS	100	100	87.9	8.9	1.4	0.3
	<b>Average</b>		<b>100</b>	<b>99.7</b>	<b>85.7</b>	<b>8.5</b>	<b>1.3</b>	<b>0.3</b>

**TABLE 2**

Date Sampled	Sample Number	Product	Organic Impurities (3 max.)	Sand Equivalent (70 min.)	Durability (70 min.)	Specific Gravity			% Water Absorption
						Bulk	SSD	APP	
10/19/2016	5647	10NS	1	93	93	2.619	2.628	2.642	0.35
10/19/2016	1237	10NS	1	100	91	2.615	2.621	2.630	0.22
10/19/2016	1610	10NS	1	100	95	2.611	2.621	2.637	0.38
	<b>Average</b>		<b>1</b>	<b>97.7</b>	<b>93</b>	<b>2.615</b>	<b>2.623</b>	<b>2.636</b>	<b>0.32</b>

**TABLE 3**

Date Sampled	Sample Number	Product	pH
10/19/2016	3138	10NS	5.2

**Mortar Bar Results - AASHTO T303: 0.006 avg. expansion (0.1% Max)**

Specifications are in parentheses.