

**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
MATERIALS AND TESTS UNIT  
1801 BLUE RIDGE RD. RALEIGH, N.C. 27607  
04/12/2022  
Fine Aggregate Test Yearly**

Hicams No.: 1063275	T.I.P. No.:	Work Order No.:
Contract No.:	Field ID: FA489-22	P.O./Other No.:
County: Johnston	Engineer:	
Date Sampled: 01/25/2022	Received: 02/11/2022	Reported: 03/16/2022
Sampled By: Strickland, Don A		Test Category: Verification
Sampled From: Stockpile - 1		
Contractor:		Represented Qty.: 10000.000 TON
Prod./Suppl.: GS Materials, Inc.		
Facility: Blue Water Sand & Gravel - Mill Creek Pit		
Material: Yearly Quality Check for Fine Aggregate (Strength, Soundness, etc.)		

Test No.: AASHTO T112, T19, T27, T104, T71, T84	QA Indicator: N
Location of Source: Stockpile	Property Owner:

SIEVE ANALYSIS		STRUCTURAL STRENGTH			
Sieve Size	Passing	Compression Test on 2 inch Cubes		3 Day Test Date:	
3/8"	100	Strength Ratio:	3-Day:	%	Tested By:
# 4	98		7 Day:	%	7 Day Test Date:
# 8	92				Tested By:
#16	72	<u>Specific Gravity, Absorption, &amp; Soundness</u>		<u>Unit Weight</u>	
# 30	44	Sp.Grav.:	2.625	Solid	163.8 lbs/ft3
# 40		Absorp.:	0.50 %	Dry & Rodded	101.4 lbs/ft3
# 50	17	Soundness:	% Loss		
# 80		Soundness Test Date:		Tested By:	Test Date: 3/8/2022
# 100	2	Sp. Grav. & Absorp. Test Date:	3/11/2022	Tested By: SBS	Tested By: SBS
# 200	0.5				
Fineness Modulus	2.7				
Deleterious Substance	0.0				
Color:	2.0				
Test Date:	3/10/2022				
Tested By:	SBS				

Comments:



Chun Kun Su P.E.  
GeoMaterials Workgroup Supervisor

cc: GS Materials, Inc.