

**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
MATERIALS AND TESTS UNIT  
1801 BLUE RIDGE RD. RALEIGH, N.C. 27607  
10/03/2024  
Fine Aggregate Test Yearly**

Hicams No.: 1152737	T.I.P. No.:	Work Order No.:
Contract No.:	Field ID: 2S-1	P.O./Other No.:
County: Johnston	Engineer:	
Date Sampled: 09/17/2024	Received: 09/18/2024	Reported: 10/03/2024
Sampled By: Blythe, Mark C		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	99		7 Day:	%	7 Day Test Date:
# 8	96				Tested By:
#16	86	Specific Gravity, Absorption, & Soundness			Unit Weight
# 30	60	Sp.Grav.:	2.604	Solid	162.5 lbs/ft3
# 40		Absorp.:	0.58 %	Dry & Rodded	93.5 lbs/ft3
# 50	27	Soundness:	1.8 % Loss		
# 80		Soundness Test Date:	9/26/2024	Tested By: RF	Test Date: 9/26/2024
# 100	4	Sp. Grav. & Absorp. Test Date:	9/26/2024	Tested By: RF	Tested By: RF
# 200	1.1				
Fineness Modulus	2.3				
Deleterious Substance	0.4				
Color:	2.0				
Test Date:	9/26/2024				
Tested By:	RF				

Comments:



Chun Kun Su P.E.  
GeoMaterials Workgroup Supervisor

cc: GS Materials, Inc.