624 Grassmere Park, Ste. 14
Nashville, TN 37211
615.331.7770
www.TTLUSA.com

CLIENT:	Pine Bluff Materials Company 1030 Visco Drive Nashville, Tennessee 37210	**MATERIAL:**	Fine Sand (Natural)
		SUPPLIER:	Client
DATE:	January 09, 2025	**PROJECT NO.**	200812005

ASTM C 40 - 20 "Organic Impurities in Fine Aggregates for Concrete"	
Organic Plate No.	ASTM C 144 Specification *
# 3	# 3 (Standard)

* Aggregates subjected to the test for organic impurities and producing a color darker than the standard shall be rejected" (7.2.1) – **HIGHER NUMBER INDICATES DARK**

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ASTM C 117 - 23 "Materials Finer than No. 200 Sieve in Mineral Aggregates by Washing"	
Percent Finer Than No. 200 Sieve	ASTM C 144 Specification (4.1)
0.18 %	3.0 % max (concrete subject to abrasion) 5.0 % max (all other concrete)

* Test was performed using Procedure A (washing with plain water)

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ASTM C 123 - 23 "Lightweight Pieces in Aggregates"	
Percent Lightweight Pieces	ASTM C 144 Specification (5.1)
0.29 %	0.5 % Maximum

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ASTM C 128 - 22 "Specific Gravity and Absorption of Fine Aggregates"	
Bulk Specific Gravity	2.61
Bulk Specific Gravity (SSD)	2.62
Apparent Specific Gravity	2.65
Absorption (%)	0.64

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ASTM C 136 - 19 "Sieve Analysis of Fine and Coarse Aggregates"					
Sieve Size	Wt Retained	% Retained	Acc % Ret	% Passing	Spec: ASTM C 144
1/2"					
3/8"	0.00	0.00		100.00	
#4	0.00	0.00		100.00	100
#8	0.33	0.08		99.92	95 - 100
#16	2.87	0.72		99.28	70 - 100
#30	102.18	25.59		74.41	40 - 75
#50	270.63	67.78		32.22	10 - 35
#100	390.69	97.84		2.16	2 - 15
#200	398.97	99.92		0.08	0 - 5
Pan	399.30	100.00		0.00	
TOTAL					
			Fineness Modulus	1.92	

ASTM C 144: Section 4.4

When an aggregate fails the gradation limits specified in 4.1 and 4.2, it may be used provided the mortar can be prepared to comply with the aggregate ratio, water retention, and compressive strength requirements of the property specifications of Specification C 270 (Table 2).

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ASTM C 142 - 17 (2023) "Clay Lumps and Friable Particles in Aggregates"	
Percent Clay Lumps and Friable Particles	ASTM C 144 Specification (5.1)
0.58 %	1.0% Maximum