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ACCREDITED
TESTING CERT #1014.01

Date Received: October 16, 2025
Date Reported: October 20, 2025
Sample Number: L224E-25
Test Report For: Lanyard Development, Inc.
1000 Towne Center Boulevard
Pooler, GA 31322
Attn: Austin Warren

PHYSICAL ANALYSIS[1]

MIXES ANALYZED (% by Volume)			SATURATED HYDRAULIC CONDUCTIVITY in/hr	POROSITY (%)			BULK DENSITY g/cm³	WATER RETENTION AT FIELD CAPACITY %	CHEMICAL	
SOIL	SAND	AMENDMENT		NON-CAPILLARY (air-filled)	CAPILLARY (water-filled)	TOTAL			pH[2]	EC mmhos/cm
Sand			3.1	12.6	27.8	40.4	1.58	17.6	5.2	
USGA Recommendations for Rootzone Mix:			≥ 6 in/hr.	15 - 30	15 - 25	35 - 55				

PARTICLE DENSITY[3] 2.65 g/cm³

PARTICLE SIZE ANALYSIS

SAMPLES	GRAVEL 2 mm %	SAND FRACTIONS (% Retained)[4]					SAND[5] 0.05-2 mm %	SILT[5] 0.002-0.05 mm %	CLAY[5] <0.002 mm %	ORGANIC MATTER[6] % by wt.
		VERY COARSE 1 mm	COARSE 0.5 mm	MEDIUM 0.25 mm	FINE 0.15 mm	VERY FINE 0.05 mm				
Sand	0.1	0.2	1.9	14.9	55.1	25.3	97.4	1.5	1.0	
USGA Recommendations for a Rootzone Mix:	≤ 3% Gravel ≤ 10% Combined		≥ 60% Combined		≤ 20%	≤ 5%		≤ 5%	≤ 3%	

Note: Coarse Gravel (> 4 mm) should be 0%. Total fines (very fine sand, silt, and clay) should be ≤ 10% combined.

1. ASTM F1815 (Determined at 30 cm tension) 2. ASTM D4972 Method A (water) 3. ASTM D854-98 Method A 4. ASTM C136 5. Bouyoucos, 1962 6. ASTM F1647 Method A
7. F1632 Test Method 2 (Particle Shape) USGA Form (Version 5) - Effective Date: 12/6/23