**Tifton Soil Testing Lab, LLC**
689 Brighton Road
Tifton, Georgia 31794
(229) 382-7292
www.tiftonsoillab.com

ACCREDITED
TESTING CERT #1014.01



Date Received: September 15, 2025
Date Reported: September 16, 2025
Sample Number: L224C-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 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

**PARTICLE DENSITY**[3] 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 | | | | |
| Infield Clay #1 | 7.1 | 13.4 | 19.7 | 23.2 | 9.9 | 6.7 | 72.9 | 6.5 | 13.5 | |
| % Passing | 92.9 | 79.5 | 59.8 | 36.6 | 26.7 | 20.0 | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| F2107 Recommendations for Skinned Areas (% Passing): | 85 - 100 | 62 - 90 | 48 - 84 | 38 - 71 | 27 - 60 | 19 - 40 | | | | |

**Note:** Total silt and clay should be 19 - 40%.

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)

# Tifton Soil Testing Lab, LLC

689 Brighton Road
Tifton, Georgia 31794
(229) 382-7292
www.tiftonsoillab.com

ACCREDITED
TESTING CERT #1014.01

Date Received: September 15, 2025
Date Reported: September 16, 2025
Sample Number: L224C-25

Test Report For: Lanyard Development, Inc.
1000 Towne Center Boulevard
Pooler, GA 31322
Attn: Austin Warren

Recommendation Form (Version 3) - Effective Date: 12/6/23

Recommendations:

A complete particle size analysis was made on the Infield Clay #1 on September 16, 2025, as requested by Lanyard Development, Inc., to determine its suitability for use as an infield skin soil. The condition of the sample as received was normal.

The Infield Clay #1 is a sandy loam with 20.0% silt and clay which meets the 19-40% recommendation. This Soil does not meet all sand fraction ranges in ASTM F2107 recommendations. However, it is rare for an infield soil to meet every criterion, and this should not be considered a problem.

**Conclusion:** The Infield Clay #1 should be very good to use as the skinned soil for an infield. This Soil has 24% silt and clay which meets the 19-40% recommendation. The Soil has a light reddish-brown color that is desired in a skinned infield soil.

Hope Mullis

**Tifton Soil Testing Lab, LLC**
689 Brighton Road
Tifton, Georgia 31794
(229) 382-7292
www.tiftonsoillab.com

ACCREDITED
TESTING CERT #1014.01



Date Received: September 15, 2025
Date Reported: September 16, 2025
Sample Number: L224C-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 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

**PARTICLE DENSITY**[3] 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 | | | | |
| Infield Clay #2 | 2.3 | 6.1 | 16.7 | 32.4 | 13.3 | 4.2 | 72.7 | 6.5 | 18.5 | |
| % Passing | 97.7 | 91.6 | 74.9 | 42.5 | 29.2 | 25.0 | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| F2107 Recommendations for Skinned Areas (% Passing): | 85 - 100 | 62 - 90 | 48 - 84 | 38 - 71 | 27 - 60 | 19 - 40 | | | | |

**Note:** Total silt and clay should be 19 - 40%.

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)

# Tifton Soil Testing Lab, LLC

689 Brighton Road
Tifton, Georgia 31794
(229) 382-7292
www.tiftonsoillab.com

ACCREDITED
TESTING CERT #1014.01

Date Received: September 15, 2025
Date Reported: September 16, 2025
Sample Number: L224C-25

Test Report For: Lanyard Development, Inc.
1000 Towne Center Boulevard
Pooler, GA 31322
Attn: Austin Warren

Recommendation Form (Version 3) - Effective Date: 12/6/23

Recommendations:

A complete particle size analysis was made on the Infield Clay #2 on September 16, 2025, as requested by Lanyard Development, Inc., to determine its suitability for use as an infield skin soil. The condition of the sample as received was normal.

The Infield Clay #2 is a sandy loam with 25.0% silt and clay which meets the 19-40% recommendation. This Soil meets all but one sand fraction range in ASTM F2107 recommendations. However, it is rare for an infield soil to meet every criterion, and this should not be considered a problem.

**Conclusion:** The Infield Clay #2 should be very good to use as the skinned soil for an infield. This Soil has 24% silt and clay which meets the 19-40% recommendation. The Soil has a brownish-red color that is desired in a skinned infield soil.

Hope Mullis