

Municipal Testing Lab of FL. Inc.

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Distribution Curve

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Date: 5/31/2023 **Tested By:** Jeremy Mitchell
Client: ER Jahna **Sample Procedure:** AASHTO R-90
Project: QC--Green Bay Mine (Pit # 16-608) Concrete Sand **Test Procedure:** AASHTO T-11 & T-27

Location: 4949 Sand Mine Rd., Davenport, FL 33897
Material Description: QC--Green Bay Mine (Pit # 16-608) Concrete Sand
Max Dry Density: 111.3 @ 9.9%
Specific Gravity (OD) 2.611 **Specific Gravity (SSD)** 2.624 **Apparent Specific Gravity** 2.647 **% Absorp.** 0.5

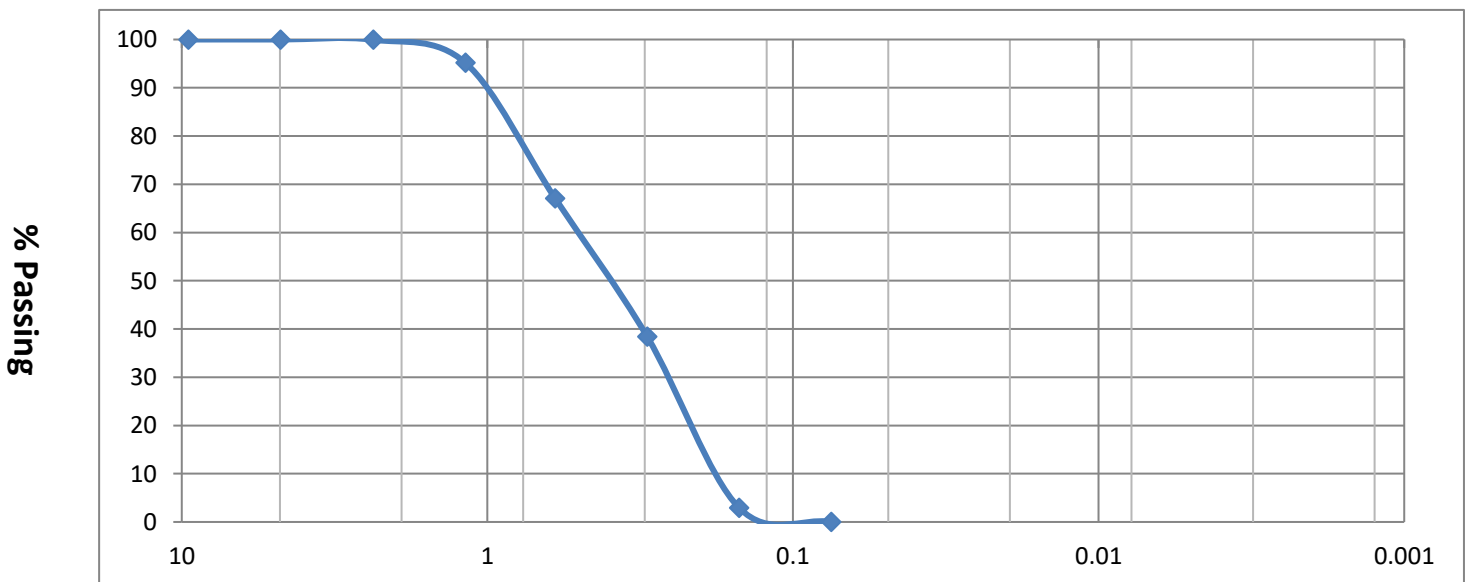
| Sieve No.: | 4 | 8 | 16 | 30 | 50 | 100 | 200 | -200 |
|------------|--------|-------|-------|-------|-------|------|------|------|
| % Passing | 100.00 | 99.94 | 95.17 | 67.06 | 38.43 | 2.92 | 0.02 | 0.00 |

| Median (D50) (mm) | Mean (mm) | Effective Size (D10) (mm) | Uniformity Coefficient (D60/D10) (mm) |
|-------------------|-------------|---------------------------|---------------------------------------|
| <u>0.421</u> | <u>0.57</u> | <u>0.180</u> | <u>1.990</u> |

ASTM D 2434 Permeability of Granular Soils (Constant Head)

| | | | |
|---|--------------|---|-------------|
| Coefficient of Permeability (ft / day) | <u>105.9</u> | Coefficient of Permeability (cm / sec) | <u>37.3</u> |
| | | <u>(x 10⁻³)</u> | |

Gravel Coarse Medium Fine Silt Clay
 # 4 # 10 # 40 # 200



Particle Diameter (MM)