

This report replaces all previous issues of this report signed on 10/28/2019

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Material Test Report

Client: LANG DEVELOPMENT
 C/O PASCO EXCAVATING LLC,
 18744 COUNTYLINE RD
 SPRING HILL, FL 34610

CC: JERRY RHODES
 THERESA MCLAUGHLIN

Project: PASCO MINE MATERIALS TESTING
 SPRING HILL, FL

Approved Signatory: James Kenney (Branch Manager)
 Date of Issue: 11/4/2019

Sample Details

Sample ID: 03901704-1-S1
Client Sample ID: 15143
Date Sampled: 10/11/19
Sampled By: Client
Specification: AGSO Sec. 548 - Retaining Wall
Supplier:
Source:
Material: Pale Brown Fine Sand
Sampling Method:
General Location: MSE WALL
Location: CELL 5 - LEVEL 2 - SOUTH CENTER
Lift:

Particle Size Distribution

Method: AASHTO T 88

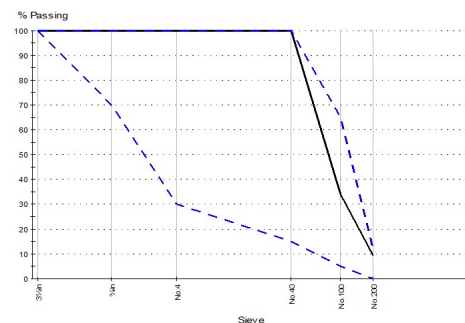
Date Tested:
Tested By:

Sieve Size	% Passing	Limits
3 $\frac{1}{2}$ in (90.0mm)	100	100
$\frac{3}{4}$ in (19.0mm)	100	70 to 100
No.4 (4.75mm)	100	30 to 100
No.40 (425 μ m)	100	15 to 100
No.100 (150 μ m)	34	5 to 65
No.200 (75 μ m)	9.3	\leq 12

Other Test Results

Description	Method	Result	Limits
General Classification	AASHTO M 145	Granular Materials	
Group Classification		A-3(0)	
Organic Content (%)	AASHTO T 267	0.10	
Dispersion Period (mins)	AASHTO T 88		
Shape			
Hardness			
Dispersion Device		Dispersant by hand	
Sand Gravel Description			
Liquid Limit (%)	AASHTO T 89-13	N/A	\leq 15
Plastic Limit (%)	AASHTO T 90-00	NP	
Plasticity Index	AASHTO T 90-00	NP	\leq 6
pH	FM 5-550	8.40	5 to 9
Reading 1	FM 5-551	3.2	
Multiplier 1		10000	
Resistivity 1 (ohm-cm)		32000	
Reading 2		1.5	
Multiplier 2		10000	
Resistivity 2 (ohm-cm)		15000	
Reading 3		1.1	
Multiplier 3		10000	
Resistivity 3 (ohm-cm)		11000	
Reading 4		1.1	
Multiplier 4		10000	
Resistivity 4 (ohm-cm)		11000	
Min Resistivity (ohm-cm)		11000	$>$ 3000
Drops	FM 5-552	1	
Chloride Ion (ppm)		0	$<$ 100
Meter	FM 5-553		$<$ 200
Sulfate Ion (ppm)		9.0	

Chart



Comments

NP = Non Plastic