

Soil Scientific - Clay Set Lab Testing

Report Date: Sep 9, 2019

Work Order No.: 19-1272.SoilSampling.0003; ver: 1

Work Order Date: Aug 29, 2019

Reviewed by: Aaron Loeck

Soil/Aggregate Laboratory Summary

General Location: Clay Set lab testing

Logged-in by: Aaron Loeck

General Comments: Specimens were mixed and hydrated with water to reach a starting moisture content of about 18%. Then a solution of water and Clay Set (150:1 ratio) was added to each specimen prior to compacting. Specimens were compacted to approximately 95% of the Maximum Dry Density at +2% of the Optimum Moisture Content (Standard Proctor) and then sealed in plastic bags for 5 day moist curing at 100° F.

Sample Number: 2

Location: 5 Day Accelerated Cure

Description: Grayish brown, CLAY - Treated

Compressive Strength of Soil-Lime (ASTM D5102)

Age (d)	Used for Conformance	Diameter (in)	Area (in ²)	Length (in)	L/D Ratio	Correction Factor	Max. Load (lb-f)	Corrected Strength (psi)
5	Yes	4.00	12.57	4.58	1.15	1.0	555	40
5	Yes	4.00	12.57	4.58	1.15	1.0	597	50
5	Yes	4.00	12.57	4.58	1.15	1.0	594	50
5	Yes	4.00	12.57	4.58	1.15	1.0	539	40
Avg. Conformance Compressive Strength (psi):								50