



5/30/2025

## LABORATORY COMPACTION CHARACTERISTICS OF SOIL

**Client** Willdan  
374 Poli Street, Suite 101  
Ventura, CA 93031

**Date Sampled** 10/2/2024  
**Date Tested** 10/7/2024  
**Sampled By** Job Sanchez  
**Sample ID** 3LQ

**Client Reference No**  
**Project No** 0551  
**Project** Willdan - Ridgecrest, Pinny Pool Demo

### Material Criteria

**Material Source** Ridgecrest

**Material Description** Silty Sand with trace Clay (SM); light brown, moist

**Location** PROJECT: 205 S Warner St, Ridgecrest, CA 93555

**Test Standard** ASTM D1557

**Compaction Method** B

**Rock Correction**

**Rock Replacement** Yes

**Rock Specific Gravity** 2.378

**Specific Gravity Determination** Lab Tested

**Method of Sample Preparation Used** Wet

**Type of Compaction Rammer Used** Manual

**Type of Rammer Face** 2" Round

**Optimum Moisture** 7.6

**Corrected OMC** 7.1

**Maximum Dry Dens** 129.8

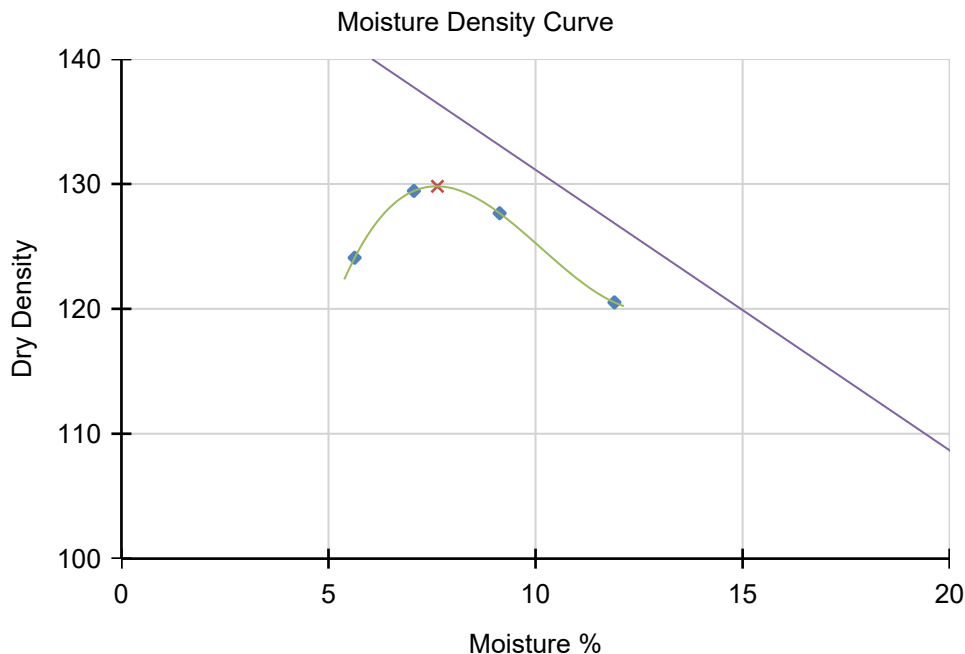
**Corrected MDD** 131.5

### Sieve Analysis

Sieve Size	%Retained
+3/4"	0.0
+3/8"	10.0
+ #4	90.0

Minus #4

Data Pt	Moisture %	Dry Density
1	5.6	124.1
2	7.1	129.4
3	9.1	127.7
4	11.9	120.5



◆ Raw Data Pt    × Max Pt    — Uncorrected Dry Density    — Zero Void

**Tested By** Job Sanchez

**Manager** Evan Folk

**Lab Equipment** ID: T025 - A&D Balance (GP-30K) - T040 - Gilson Modified Hammer (HM-551) - T016 - Gilson 4" Mold (HMA-110) - T028 - Straightedge (T028)

Test results relate only to the sample tested. This test report shall not reproduced, except in full, without the prior written approval of Union Materials Testing, Inc..

**Lab Address** 2247 Statham Blvd. Oxnard CA, 93033

**System Link** <http://umt.vahalo.com/assignments/89B6DB0B-7F92-469B-49BA-B823DED9C1BE>

**System Path** Willdan - Ridgecrest, Pinny Pool Demo / Subgrade & Base Density Testing / 0551 Proctor WLDN241002