

# Field Analytics Ltd - Soil Analysis Report

Professional Soil Water Characteristics Analysis

**Generated for:** Enterprise Test User (enterprise@example.com)

**Company:** Field Analytics Ltd

**Report Date:** 5/29/2025

**Analysis Type:** undefined Plan - Custom Report

## Executive Summary

**Soil Classification:** loam

**Water Holding Capacity:** 0.13% Plant Available Water

**Drainage Characteristics:** 3.2 mm/hr saturated conductivity

**Overall Assessment:** Limited water holding capacity - may require irrigation management.

## Detailed Soil Composition

**Sand Content**

**35%**

**Clay Content**

**25%**

**Silt Content**

**Organic Matter**

**40%**

**3%**

## Hydrological Properties

**Field Capacity ( $\theta_{FC}$ )**

**0.28%**

**Permanent Wilting Point ( $\theta_{PWP}$ )**

**0.15%**

**Plant Available Water (PAW)**

**0.13%**

**Saturation Point ( $\theta_S$ )**

**0.42%**

## Physical and Chemical Properties

**USDA Texture Classification**

**loam**

**Saturated Hydraulic  
Conductivity**

**3.2 mm/hr**

**Bulk Density Factor**

**1 g/cm<sup>3</sup>**

**Gravel Content**

**0%**

Generated by Field Analytics Ltd using FlahaSoil Enterprise Analysis System

Based on Saxton & Rawls (2006) Soil Water Characteristics methodology

