



# STANDARD LABORATORIES, INC

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## SOIL / OVERBURDEN ANALYSIS

Saturated Paste and Paste Extract

Preparation

Soluble Constituents

PH

Electrical Conductivity

Calcium

Magnesium

Sodium

Potassium

Alkalinity

Carbonate/Bicarbonate/Hydroxide

Chloride

Sulfate

Sodium Absorption Ratio

Total Dissolved Solids

Nitrate-Nitrogen

Ammonia-Nitrogen

Aluminum

Boron

Iron

Manganese

Acid Soluble Iron

Acid Soluble Manganese

Acid-Base Account

Boron (Hot Water Soluble)

Carbonate Content/Inorganic Carbon  
(Coulometric)

Cation Exchange Capacity (USDA)

Cation Exchange Capacity (Sum of  
Bases)

Exchangeable Cations (Ca, Mg, Na, K)

Exchangeable Acidity

Exchangeable Metals

Micronutrients, DTPA Extraction

Neutralization Potential

Nitrate-Nitrogen

Organic Carbon (Walkley Black)

Organic Matter (Titration or Ignition)

pH (1.1 Water)

pH (SMP Buffer)

Phosphorus (P-1 or P-2)

Potassium (1N Ammonium Acetate)

Specific Gravity (Particle Density)

Sulfur (Pyritic)

Sulfur (Sulfate)

Sulfur (Total)

Texture (Sand, Silt, Clay by  
Hydrometer)

Texture (Sand, Silt, Clay by Pipette)

Coarse Material Greater than 2mm

Trace Elements