

# Environmental Analytical Laboratory

soil–water–wastewater–biosolids–tissue  
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A sample receiving fee will be assessed for each sample submitted (\$3)

Samples received in sets of 20 or more will receive a 30% discount

Soil Test	Description	Price/Sample
S1 (Partial Nutrient)	pH, EC, P, K	\$15.00
S2 (Macro Nutrient)	pH, EC, P, K, NO <sub>3</sub> -N, OM	\$25.00
S3 (Complete Nutrient)	pH, EC, P, K, NO <sub>3</sub> -N, OM, Micronutrients	\$35.00
S4 (Complete Topsoil)	pH, EC, P, K, NO <sub>3</sub> -N, NH <sub>4</sub> -N, SO <sub>4</sub> -S, CaCO <sub>3</sub> , CEC, OM, Micronutrients	\$80.00
S5 (Complete)	pH, EC, P, K, NO <sub>3</sub> -N, NH <sub>4</sub> -N, SO <sub>4</sub> -S, CaCO <sub>3</sub> , CEC, OM, Micronutrients, Total N & C, Texture	\$100.00
UDOT Topsoil	pH, EC, SAR, OM, Texture, Gravel	\$40.00
LDS Church Topsoil	pH, EC, SAR, OM, NO <sub>3</sub> -N, P, K, Fe, Texture, Gravel	\$55.00
C1 (Compost)	pH, EC, SAR, C, N, Moisture	\$25.00
pH	Saturated paste	\$5.00
EC	Salinity	\$6.00
pH, EC	pH and Salinity	\$8.00
pH, EC, SAR	pH, Salinity, and Sodium Adsorption Ratio	\$15.00
OM	Organic Matter (Walkley-Black) or Loss On Ignition	\$7.00
NO <sub>3</sub> -N (1)	Nitrate-nitrogen (Chromotropic acid)	\$10.00
NO <sub>3</sub> -N (2)	Nitrate-nitrogen (2M KCl)	\$10.00
NH <sub>4</sub> -N	Ammonium-nitrogen (2M KCl)	\$11.00
NO <sub>3</sub> -N + NH <sub>4</sub> -N	2M KCl, FIA	\$15.00
Total N	Combustion (Leco)	\$10.00
Total C	Combustion (Leco)	\$10.00
Total C and N	Carbon to nitrogen ratio	\$12.00
P	Phosphorus (Olsen)	\$8.00
K	Potassium (Olsen)	\$7.00
SO <sub>4</sub> -S	Sulfate (500 ppm P extraction)	\$10.00
SO <sub>4</sub> -S	Water soluble	\$12.00
Exchangeable Ions	Ca, Mg, K, Na (NH <sub>4</sub> OAc)	\$14.00
Micronutrients	Zn, Fe, Mn, Cu (DTPA)	\$9.00
Fe	DTPA	\$7.00
CEC	Cation Exchange Capacity	\$22.00
CaCO <sub>3</sub>	Calcium carbonate	\$9.00
Gypsum	water of hydration method	\$15.00
Texture	% Sand, Silt, Clay (Hydrometer)	\$13.00
Sand Size Fractions		\$15.00

Soil Test	Description	Price/Sample
Gravel	% gravel (by volume)	\$5.00
Moisture Saturation	% moisture of a saturated paste	\$5.00
Moisture 1/3 Bar	% moisture at field capacity	\$20.00
Moisture 15 Bar	% moisture at permanent wilting point	\$20.00
Biosolid	Total N, Total P, NH <sub>4</sub> -N, NO <sub>3</sub> -N, % Solids	\$35.00
Acid Base Potential		\$45.00
B, As, Se	Boron, Arsenic, Selenium	\$11.00
B	Boron (saturated paste)	\$9.00
Cl	Chloride	\$10.00
Resin Capsules	2 M HCl extraction	\$22.00
Water Test	Description	Price/sample
pH		\$4.00
EC	Salinity	\$4.00
SAR	Sodium Adsorption Ratio, Ca, Mg, Na	\$5.00
Nitrate-N	Chromotropic acid	\$6.00
Nitrate-N	Cadmium reduction (Lachat)	\$8.00
Ammonium-N	Salicylate method (Lachat)	\$8.00
NO <sub>3</sub> -N + NH <sub>4</sub> -N	Flow Injection Analysis (Lachat)	\$10.00
Total N		\$10.00
Total organic C	Non-purgeable organic carbon	\$10.00
TN + TOC		\$12.00
Total P	Persulfate digest	\$12.00
Cl	Chloride	\$8.00
HCO <sub>3</sub> <sup>-</sup>	Bicarbonate	\$5.00
W1	pH, EC, SAR, P, K, S, Zn, Fe, Mn, Cu, B, Cl, HCO <sub>3</sub> <sup>-</sup>	\$35.00
ICP metals	\$5 for the first element + \$1 for each additional element, up to \$12	\$12.00
Plant Tissue Test	Description	Price/sample
P1	Plant Fertility- Total N, P, K, Ca, Mg, S, Na, Zn, Fe, Mn, Cu, B	\$30.00
P2	Total element composition, 24 elements (microwave + ICP)	\$25.00
Total N	Combustion (Leco)	\$10.00
Total N and C	Combustion (Leco)	\$12.00
NO <sub>3</sub> -N	Nitrate	\$10.00