

Environmental Analytical Laboratory

soil–water–wastewater–biosolids–tissue
 1026 LSB, Brigham Young University, Provo, UT 84602
 801-422-2147 801-422-0008 (fax)



Samples received in sets of 20 or more will receive a 25% bulk discount
 Please inquire about Government/Education/BYU discount
 Additional tests and methods may be available, contact us with any questions

Soil Test	Description	Price/Sample
Sample Prep	Drying and Grinding (required for most samples)	\$3.00
S1 (Partial Nutrient)	pH, EC, P, K	\$22.00
S2 (Macro Nutrient)	pH, EC, P, K, NO ₃ -N, OM	\$33.00
S3 (Complete Nutrient)	pH, EC, P, K, NO ₃ -N, OM, Micronutrients	\$46.00
S4 (Complete Topsoil)	pH, EC, P, K, NO ₃ -N, NH ₄ -N, SO ₄ -S, CaCO ₃ , CEC, OM, Micronutrients	\$120.00
S5 (Complete)	pH, EC, P, K, NO ₃ -N, NH ₄ -N, SO ₄ -S, CaCO ₃ , CEC, OM, Micronutrients, Total N & C, Texture	\$140.00
UDOT Topsoil	pH, EC, SAR, OM, Texture, Gravel	\$55.00
LDS Church Topsoil	pH, EC, SAR, OM, NO ₃ -N, P, K, Fe, Texture, Gravel	\$80.00
B1 (Biosolid)	NH ₄ , NO ₃ , NO ₂ , Total N, Total PO ₄ , % Solids	\$50.00
C1 (Compost)	pH, EC, SAR, C, N, Moisture	\$45.00
pH	1:1 Paste	\$5.00
EC	Salinity (1:1 paste)	\$6.00
pH, EC	pH and Salinity (1:1 paste)	\$10.00
SAR	Sodium adsorption ratio (Saturated paste)	\$18.00
pH, EC, SAR	pH, Salinity, and Sodium Adsorption Ratio (Saturated paste)	\$25.00
P	Phosphorus (Olsen)	\$10.00
K	Potassium (Olsen)	\$10.00
P & K	Phosphorus and potassium (Olsen)	\$17.00
NO ₃ -N	Nitrate-nitrogen (Chromotropic acid or 2M KCl)	\$12.00
NH ₄ -N	Ammonium-nitrogen (2M KCl)	\$15.00
NO ₃ -N + NH ₄ -N	2M KCl, FIA	\$20.00
Total N	Combustion	\$20.00
Total C	Combustion	\$20.00
Total C and N	Carbon to nitrogen ratio	\$25.00
OM	Organic Matter (Walkley-Black) or Loss On Ignition	\$15.00
Micronutrients	Zn, Fe, Mn, Cu (DTPA)	\$14.00
Fe	DTPA	\$12.00
SO ₄ -S	Sulfate (500 ppm P extraction)	\$12.00
B	Saturated paste	\$15.00
Exchangeable Ions	Ca, Mg, K, Na (NH ₄ OAc)	\$25.00
CEC	Cation Exchange Capacity	\$60.00
CaCO ₃	Calcium carbonate (gravimetric)	\$16.00
B, As, Se	Boron, Arsenic, Selenium (Hot water extraction)	\$18.00
Cl	Chloride	\$15.00
Total Element	EPA 3050 Digestion + ICP Analysis	\$35.00
Texture	% Sand, Silt, Clay (Hydrometer)	\$18.00

Gravel	% gravel (by volume)	\$6.00
Sand Size Fractions	1-2 mm Very Coarse; 0.5-1 mm Coarse; 0.25-0.5 mm Medium; 0.1-0.25 mm Fine; 0.05-0.1 mm Very Fine	\$30.00
% Moisture	% moisture as received	\$8.00
Moisture Saturation	% moisture of a saturated paste	\$8.00
Moisture 1/3 Bar	% moisture at field capacity	\$30.00
Moisture 15 Bar	% moisture at permanent wilting point	\$30.00
Acid Base Potential	S, CaCO ₃	\$65.00
Water Test	Description	Price/sample
Sample Prep	Sample Preparation/Filtration	\$3.00
Dilution	Sample Dilution	\$3.00
pH		\$5.00
EC	Salinity	\$5.00
SAR	Sodium Adsorption Ratio, Ca, Mg, Na	\$15.00
Nitrate-N	Cadmium reduction (FIA)	\$10.00
Ammonium-N	Salicylate method (FIA)	\$12.00
NO ₃ -N + NH ₄ -N	Flow Injection Analysis (FIA)	\$16.00
SRP	Orthophosphate- Ascorbic Acid (FIA)	\$10.00
Total P	Microwave digestion + ICP	\$20.00
Total Dissolved N	Combustion	\$15.00
Dissolved Organic C	Non-purgeable organic carbon	\$15.00
TDN + DOC		\$19.00
Cl	Chloride	\$15.00
HCO ₃ ⁻	Bicarbonate	\$10.00
W1 (dissolved)	pH, EC, SAR, P, K, S, Zn, Fe, Mn, Cu, B, Cl, HCO ₃ ⁻	\$50.00
Microwave digest	For total instead of dissolved elements (EPA 3050)	\$10.00
ICP-single	Dissolved ICP Analysis- P, K, Ca, Mg, S, Na, Zn, Fe, Mn, Cu, or B	\$15.00
ICP-complete	Dissolved ICP Analysis- Al, As, B, Ba, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, S, Se, Si, Sr, Ti, V, and Zn	\$30.00
Plant Tissue Test	Description	Price/sample
Sample Prep	Drying and Grinding (required for most samples)	\$4.00
P1	Plant Fertility- Total C, N, P, K, Ca, Mg, S, Na, Zn, Fe, Mn, Cu, B	\$45.00
Total element	Microwave Digestion + ICP Analysis- Al, As, B, Ba, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, S, Se, Si, Sr, Ti, V, and Zn	\$35.00
Total N	Combustion (Elementar Cube)	\$18.00
Total N and C	Combustion (Elementar Cube)	\$22.00
NO ₃ -N	Nitrate	\$15.00
Moisture/Dry Matter	% moisture/dry matter as received	\$8.00
Ash	Ash-free dry mass	\$12.00