

Environmental Analytical Laboratory

soil–water–wastewater–biosolids–tissue
 1026 LSB, Brigham Young University, Provo, UT 84602
 801-422-2147 801-422-0008 (fax)
 eal@byu.edu <http://eal.byu.edu>



Internal + Government Price List

Soil Test	Description	Price/sample
Grinding		\$2.50
NO ₃ -N	Nitrate-nitrogen (Chromotropic acid)	\$6.50
P	Phosphorus (Olsen)	\$6.00
K	Potassium (Olsen)	\$5.50
OM	Organic Matter (Walkley-Black) or Loss On Ignition	\$7.00
Micronutrients	Zn, Fe, Mn, Cu (DTPA)	\$8.00
pH	Saturated paste	\$3.25
EC	Salinity	\$4.50
pH, EC	pH and Salinity	\$7.00
pH, EC, SAR	pH, Salinity, and Sodium Adsorption Ratio	\$13.00
SAR	Sodium Adsorption Ratio, Ca, Mg, Na	\$9.00
CEC	Cation Exchange Capacity	\$26.00
Exchangeable Ions	Ca, Mg, K, Na (NH ₄ OAc)	\$13.00
NH ₄ -N	Ammonium-nitrogen (2M KCl)	\$8.00
NO ₃ -N + NH ₄ -N	2M KCl, FIA	\$12.00
Total N	Combustion	\$9.00
Total C	Combustion	\$9.00
Total C and N	Carbon to nitrogen ratio	\$11.00
CaCO ₃	Calcium carbonate/ Acid neutralizing potential	\$9.00
SO ₄ -S	Sulfate (500 ppm P extraction)	\$7.50
B	Boron- saturated paste extract	\$8.00
Cl	Chloride	\$8.00
Gypsum	water of hydration method	\$11.00
Total Element	EPA 3050 Digestion + ICP Analysis	\$20.00
Texture	% Sand, Silt, Clay (Hydrometer)	\$10.00
Sand Size Fractions		\$12.00
Gravel	% gravel (by volume)	\$4.50
Moisture Saturation	% moisture of a saturated paste	\$5.00
Moisture 1/3 Bar	% moisture at field capacity	\$15.00
Moisture 15 Bar	% moisture at permanent wilting point	\$15.00
Resin Capsules	2 M HCl extraction (analysis charged separately)	\$7.00
Resin Bags	2 M KCl or HCl extraction (analysis charged separately)	\$7.00
KCl Extracts	NO ₃ -N + NH ₄ -N	\$8.25
Biosolid	NH ₄ , NO ₃ , NO ₂ , Total N, Total PO ₄ , % Solids	\$37.00
Water Test	Description	Price/sample
Sample filtration		\$2.00
Sample dilution		\$2.00

pH		\$3.25
EC	Salinity	\$3.25
SAR	Sodium Adsorption Ratio, Ca, Mg, Na	\$7.00
Nitrate-N	Chromotropic acid	\$7.00
Ammonium-N	Salicylate method (Lachat)	\$7.00
NO ₃ -N + NH ₄ -N	Flow Injection Analysis (Lachat)	\$8.25
Total Dissolved N	Combustion	\$8.00
Total Organic C	Non-purgeable organic carbon	\$8.00
TN + TOC		\$10.50
Total P	Microwave digestion + ICP	\$14.00
SRP	Soluble Reactive Phosphorus	\$7.00
Cl	Chloride	\$7.00
HCO ₃ ⁻	Bicarbonate	\$6.50
ICP-single		\$10.00
ICP-complete		\$15.00
Plant Tissue Test	Description	Price/sample
Grinding		\$2.50
P1	N, P, K, Ca, Mg, S, Na, Zn, Fe, Mn, Cu, B	\$25.00
P2	Total element composition (microwave + ICP)	\$20.00
Total N	Combustion	\$9.00
Total N and C	Combustion	\$11.00
NO ₃ -N	Nitrate	\$8.50
Instrument Use	Description	Price/sample
ICP	Customer runs samples (internal only)	\$2.25
AAS	Customer runs samples (internal only)	\$1.75
CN Determinator	Customer runs samples (internal only)	\$1.75
TOC-L	Customer runs samples (internal only)	\$2.00
Microwave	Customer runs samples (internal only)	\$1.75
Fialyzer	Customer runs samples (internal only)	\$1.75
Lachat	Customer runs samples (internal only)	\$1.75