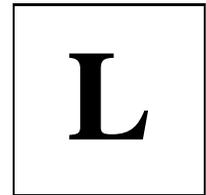




CORNELL NUTRIENT ANALYSIS LABORATORY

306 Tower Rd., 804 Bradfield Hall, Ithaca, NY 14853
 Phone: (607) 255-4540; Fax: (607) 255-7656
 Email: soiltest@cornell.edu; Web: <http://cnal.cals.cornell.edu>



**WATER, EXTRACTS, AND
 OTHER SOLUTIONS ANALYSES**

Contact Information

Name _____ Company/Department _____
 Address _____ Telephone _____
 City _____ Fax _____
 State _____ Zip _____ Email _____

Sample Information

Sample Description _____

T=Tap, W=Well, S=Stream, P=Pond, O=Other, please specify. For soil/plant extracts and other solutions (not surface, ground or drinking water) indicate matrix of the sample. Please contact lab manager if sample matrix is unknown.

Submission Date ___/___/___ Number of Samples _____

Cornell researchers please contact Beth Woodring for appropriate submission form.

email results fax results mail results

Retain samples for 1 month after samples are received. (no charge)

Potentially hazardous samples; please supply details: _____.

Additional sample processing required. Please contact lab with details. (\$35/hr; 30 min increments)

Special report formatting. Please contact lab with details. (\$50/hr; 30 min increments)

Please mark your samples/containers with consecutive #'s for lab to use as your sample identification. Use sample ID form provided. After filling out the ID form please send it to soiltest@cornell.edu, save a copy for your records and mail a copy along with your sample & submission form.

If analysis request is redacted after lab processing begins, samples will still be charged 50% of total fee.

Payment Information

Total Amount Owed: \$ _____.

Our payment policies have changed – please see below.

Please indicate your method of payment below. If none of these choices apply to you, you will be given the option to pay by Credit Card (providing your cost totals **\$50 or more**), using the link on your invoice notification.

Checks made payable to CNAL, or Account/PO information due upon sample submission.

Check or Business/University Account Number _____

Purchase Order (P.O.) Number _____

Please select types of analyses from list on the reverse side.

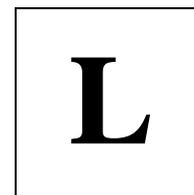


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WATER, EXTRACTS AND OTHER SOLUTIONS ANALYSES

Test Packages	Cost per Sample
<input type="checkbox"/> 4030 Basic Package: pH, electrical conductivity, hardness, Ca, Mg, Na, and Sodium Adsorption Ratio (SAR)	\$60.00
<input type="checkbox"/> 4040 Complete Package: Basic Package (4030) plus: nitrate, ammonium, ortho-phosphate, total P, Ca, Mg, Na, K, Fe, Mn, Zn, Cu, Mo, Zn, and S	\$85.00

**** We need 50 mls per sample of a liquid for the test packages indicated above.**

Individual Tests	Cost per Sample
-------------------------	------------------------

***** Any water samples submitted to CNAL that need dilutions will be charged \$2.00/sample. *****

- 4021 ICP-AES for metals: (Similar to EPA Method 3015-6010)..... \$12.00
Includes: Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Se, Si, Sr Ti, V, Zn
- 4022 Water Digestion (Replaces Microwave Assisted Digestion) \$20.00
- 4710 Ammonium-nitrogen (colorimetric method)..... \$13.00
- 4720 Nitrate-nitrogen (colorimetric method)..... \$13.00
- 4731 Ammonium-nitrogen + nitrate-nitrogen (colorimetric method)..... \$15.00
- 4751 Total phosphorous (measured by ICP) \$12.00
- 4780 Electrical conductivity \$9.00
- 4800 pH \$8.00
- 4820 Total dissolved solids \$7.00
- 4822 Ag (Silver) \$10.00
- 4900 Wine analysis (nutrients and heavy metals) **NEW TEST** \$15.00
Includes: Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Ti, V, and Zn
- Customized Analysis.....Please fill out (**NEW**) CA Submission form

Guidelines for Collecting Water Samples

When collecting a water sample, please follow these guidelines:

CONTAINERS – Samples should be collected in a clean, plastic bottle with a screw cap. Please submit at least 250 mL of water for the test Packages (4030, 4040) and 50mls (2 oz.) for all other tests. Clearly identify each container with a simple sample I.D. **Label the samples sequentially.** Avoid glass containers, as boron concentrations may change and glass has a higher potential for breakage.

COLLECTION – Tap water: If collecting from the tap, let the tap run for 4-5 minutes before taking the sample. This will help in flushing out the water that has been in the pipes for a prolonged period of time. Rinse the container once with water to be sampled. Fill the bottle completely leaving little or no air space at the top. Fill out the label.

Spring, Stream, Well or Pond water: Rinse the container once with water to be sampled. Fill the bottle completely leaving little or no air space at the top. Fill out the label.

SHIPPING – Water samples must arrive at the Cornell Nutrient Analysis Laboratory within 24 hours. Refrigerating and keeping the sample cool during shipping is recommended. When mailing, place bottles in a box and pack with a loose, soft packing material to prevent crushing. Include in the shipping box:

- Label the samples sequentially.
- Water Test Information Sheet with all the requested information.
- A check or money order payable to Cornell University.

NOTICE: CNAL is not EPA certified for testing potable water. The lab does not analyze for anions, organic compounds such as pesticides or petrochemicals, bacteria, or any biological components.

No recommendations or interpretations are provided.

****Anticipate 2-3 weeks for the completion of tests.****

Please anticipate one month for the completion of the Test Packages (4030 and 4040)