

2025 Tissue Analysis Sample Form

HOW TO SUBMIT TISSUE SAMPLES

Leaf tissue analysis for the general fertility of a tree or shrub requires about 25 leaves taken from various sides of the plant. Only one gram of oven dry tissue is actually required for the analysis, but the larger amount is needed to give better statistical evaluation to the analysis. Sample the younger first fully formed leaves. These may be a foot back from the growing point for evergreen plants. Dusty or dirty leaves should be rinsed and dried before shipping. Turf samples can be taken from the bag of clippings. A hand full of clippings is more than adequate.

If the cause of unusual leaf appearances is being determined, sample the symptomatic leaves. In this case, it would be beneficial and helpful to include a sample of the better tissue for a comparative investigation.

For heavy metal toxicity, roots will normally show higher contaminant content. Some heavy metals do not move from the roots to the tops of plants.

The smaller feeder roots are the best roots to sample. They need to be washed to remove the soil while not removing the epidermis (skin). Several ounces of roots are sufficient for a sample size.

Tissue samples can be sent undried if shipped immediately. If the transit time will be over several days in warm weather, the tissues should be air dried before shipping. If the tissues are in good condition, Wallace Laboratories will acid wash the tissues to remove additional contaminants from soil and dust. If samples must be retained before shipping, and they are not air dried, store them in a refrigerator.

If edible produce is being analyzed for contaminants, include specific information if you wish to have the item washed or peeled. We need to receive the tissue without having it partially rot. The mineral nutrition content is

not too different if the tissue rots, but the amount of organic matter content will decrease changing the percent mineral content. In some cases, it may be best to ship early in the week.

HOW TO SHIP

Send the sample by mail, UPS or overnight carrier along with a brief description of the sample. Include the plant species name. For more than one sample, assign it a number and label the bag. Record the details in your files. Provide your name, phone number, address, email address and fax number to have the data sent to you.

Ship to Wallace Laboratories:

365 Coral Circle
El Segundo, CA 90245 USA

Plant tissue analysis measures the following minerals:

Essential nutrients:

Nitrogen, boron, calcium, chloride, copper, iron, magnesium, manganese, molybdenum, nickel, phosphorus, potassium, sulfur, zinc and for some plants sodium.

non-essential minerals/contaminants

aluminum, arsenic, barium, cadmium, chromium, cobalt, lead, lithium, mercury, selenium, silicon, silver, sodium, strontium, tin, titanium, vanadium

Use this form to submit Tissue Samples • save form, open, type in your info, save then print to send in with your water sample(s).

Contact Name: _____

Company: _____

Day time number: _____ Cell/Evening number: _____

Fax number: _____ Email address: _____

Address: _____ City: _____ State: _____ Zip: _____

Testing Fee: Standard Tissue Analysis: \$85 per sample

Please call to check on prices for specific species.

Payment - Check or Money Order | PO Number | Credit Card • Please make checks payable to Wallace Laboratories

___ **Check or Money Order** (total amount): _____ check number: _____

___ **PO Number** if account is pre-approved: _____

___ **Credit Card Transactions** - We will call for the Credit Card Number after the sample has been received. Please note, there will be a 4% transaction fee added.

Standard Tissue Analysis Information:

Description: _____ Sample Number: _____ Tissue Type: _____

Any Additional Information: _____

Description: _____ Sample Number: _____ Tissue Type: _____

Any Additional Information: _____