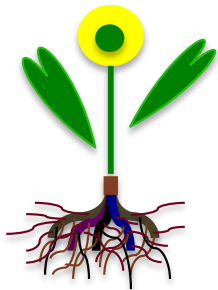


Logan Labs Mineral Amendment Analysis Submission Instructions and Forms

Mineral Amendment Data Sharing:

- The analysis of minerals contained in homemade amendments (such as those made using the recipes in The Regenerative Grower's Guide to Garden Amendments) is limited.
- Analyzing and documenting amendment recipe results presents a significant opportunity for all to understand what mineral compositions are available for free in our backyards.
- The purpose of this amendment analysis database is to make readily available information that will provide gardeners and growers alternative, low cost, sustainable resources for feeding soil and plants. All data will be published and available for free.
- Special thanks to Logan Labs for participating in this most important project.
- Your data will be published at Nigel-Palmer.com for free and updated regularly.
- An additional reference for mineral constituencies in plants is Dr. James Duke's Phytochemical and Ethnobotanical database, which can found at: <https://phytochem.nal.usda.gov/phytochem/search>

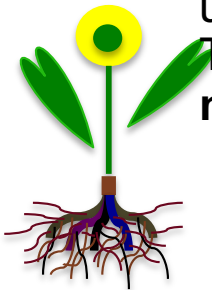


Thank you for contributing to the database

Mineral Amendment Analysis Submission Process

Prepare paperwork for shipment as follows:

1. Once the amendment is made and you are ready to submit for analysis:
2. EMAIL Nigel at nigel@tiosn.com and ATTACH the following information:
 1. **Spreadsheet** (on following page) describing amendments to be analyzed
 2. **Logan Labs Form** completed (Page 4)
 3. Nigel will review form entries, any questions will be discussed and clarified
3. **For international submissions** contact Logan Labs at office@loganlabs.com to get customs authorization document. Logan Labs will contact the authorities, submit request and send you the needed document that will enable shipping the amendment across international lines.
 1. PAY the \$35.00 (per sample) Logan Labs analysis fee at nigel-palmer.com/shop by selecting the Mineral Amendment Analysis option and the quantity of samples you wish to submit. Note that this fee is the same as working directly with Logan Labs.
 2. You will receive an email confirmation with an order number. Write this number in the upper right-hand corner of the Logan Labs Form in the space called “tracking number”. This number ties the amendment sample, description, and analysis together. **This number also shows Logan Labs that you have paid for the services requested.**

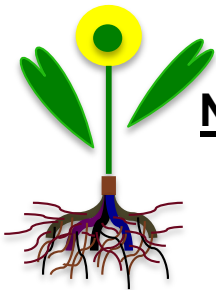


Mineral Amendment Analysis Submission Process

With all paper work completed (and customs documents received if applicable):

Prepare amendment(s) for shipment as follows:

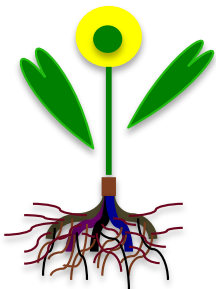
1. POUR about 50 mL (1.5 ounce) of the amendment for analysis into a clean container and package for shipment
2. **Be sure that you have put the order number on the Logan Labs form in the tracking number box. This shows Logan Labs that you have paid for the services requested.**
3. Pack sample and Logan Lab form (with order number on it) in box and send to Logan Labs at the address on the form. If international be sure to include the customer information received from Logan Labs
4. Once sample(s) are received and analyzed, Logan Labs will send us the results.
5. All data results will be published on Nigel-Palmer.com and available to all for free



Note: *The cost of analysis is the same as working directly with Logan Labs*

- Please use this excel spreadsheet document each amendment sample information
- Contact me with any questions you may have www.nigel-palmer.com

Recipe analysis data sheet		Tracking number						April 25, 2021		
date	your name	where in the world made	logan lab sample name	amendment recipe	Plant description (genius, species, picture)	plant part	bone or shell type	ingredients	Process particulars amounts and times	comments
Today's date	Your name	Where was amendment made	What you called the sample on the Logan Lab form	Process used for making the amendment	The plant you processed if applicable	The part of the plant you processed if applicable	The type of bone, shell or other that was vinegar extracted if applicable	All of the ingredients used in the recipe	What was actually added and how long did things ferment or extract?	Any comments or observations you would like to add
28-Jun-21	nigel palmer	USA, Connecticut	FPJ DAN	fermented plant juice	dandelion, Taraxacum Officinale	leaves	na	organic brown sugar, dandelion leaves, flowers and stems	1 pound dandelion leaves and 3/4 pound organic brown sugar. Let ferment for 98 days.	plant was harvested at sunrise on May 3, 2020
28-Jun-21	nigel palmer	USA, Connecticut	vin cow	vinegar extraction	na	na	cow bones	home made apple cider vinegar and cooked cow bones	Jar 1/10th filled with cow bones, let sit for 5 weeks	bones from grass fed cow
28-Jun-21	nigel palmer	USA, Connecticut	leaf tomato	leaf mold fermentation	tomatoes Lycopersicon esculentum	fruit	na	leaf mold and tomato fruit	2 pounds of tomatoes in 1/2 gallon jar with rain water and a hand full of leaf mold. Let sit for 6 months	end of season Brandywine tomatoes



Logan Labs LLC

SEND SAMPLES TO: LOGAN LABS LLC

620 North Main Street

Lakeview, OH 43331

Ph # 937-842-6100

www.loganlabs.com

Tracking # _____
EXCEL SPREADSHEET

SUBMISSION WORKSHEET

OFFICE USE ONLY

#Samples _____

Date Rec'd _____

Rec'd By _____

Due Date _____

Client Name: _____

Address: _____

City/State/Zip: _____

Phone #: _____

E-Mail Address: _____ &

nigel@tiosn.com

Need Recommendations
(Additional Charges may apply)

of Samples Submitted: _____ Depth of soil sample _____ note if different than 6 inches

REPORT FORMAT

(List samples below)

Page	Sample ID	Sample ID	Sample ID	Sample ID
1				
2				
3				
4				
5				
6				

Check the tests below to be performed on samples:

AEA Base Test Plus EC, ENR, Co, Mo, Se, Si

Saturated Paste Test

Compost Tea Plus Mo, Co, Se, Si, Ni

- Please use this form to send actual sample to Logan Labs at the address at the top of the page
- Include tracking number at top (received via email)