



Soil2Oil™
A&L CANNABIS LABS

DEC 2021 UPDATE

A&L Website: www.alcanada.com
Quick A&L Cannabis Services URL: www.alcannabislabs.com
Cannabis Email: clientcarecannabis@alcanada.com

**PRICE CHANGE
for 2022**

HC Pesticide Scan

HOLIDAY HOURS

REMINDERS

- **Cancellation Policy for Micro Testing**
- **Tissue Testing/Analysis**
- **Heavy Metal Testing for Inputs**

A&L CANNABIS UPDATE **December 2021**

- **New - Price Changes for 2022:** Health Canada Pesticide Scan - HCPESTMM
- **Holiday Hours:** Cannabis Testing through the Holiday Season will be scaled back
- **Reminders:**
 1. Cancellation Policy for Microbiology Testing
 2. Tissue Testing / Analysis
 3. Heavy Metal Testing for Inputs
- **Questions?** Contact us!

NEW - PRICE CHANGE FOR 2022!



To help our clients further manage their costs, A&L is now offering the Health Canada (HC) Pesticide Scan - HCPESTMM at a new, reduced List Price.

- This new HCPESTMM price is effective as of January 1, 2022
- All applicable client discounts and allowances remain in effect
- Please talk to your A&L Representative to discuss any questions you may have regarding pricing

Our continuing goal is to deliver the best analytical testing and reporting for our clients. We wish to take this opportunity to thank you for your business & support and we look forward to serving you in 2022.

HOLIDAY HOURS

Please be advised that Cannabis Testing through the Holiday Season will be scaled back to permit both staff vacation and operational maintenance (info in graphics below).

Questions? Please contact your representative or the A&L Cannabis Customer Service at clientcarecannabis@alcanada.com.




A&L HOLIDAY SCHEDULE 2021

- Friday, December 24 - Open 8 am-12 pm
- Monday, December 27 - Closed
- Tuesday, December 28 - Closed
- Wednesday, December 29 - Open 9 am-2 pm
- Thursday, December 30 - Open 9 am-2 pm
- Friday, December 31 - Open 8 am-12 pm
- Monday January 3, 2022 - Closed

Return Tuesday January 4/2022 to regular hours

If you are dropping off samples after hours we have a drop box at the side of the building in the grey garden shed.

www.alcanada.com alcanadalabs@alcanada.com

A&L HOLIDAY SCHEDULE 2021

To Our Valued Clients: Please be advised that Cannabis Testing through the Holiday Season will be scaled back to permit staff vacation and operational maintenance:

• DEC 17 •

Samples submitted by **Friday, December 17th** for full Health Canada lot release will be completed according to standard turnaround times

• DEC 21 •

Micro samples submitted by **Tuesday, Dec 21st** will also be completed per standard turnaround times

DEC 24 - JAN 3

Regular sample analysis will not be conducted **from Dec 24 through Jan 3**, however the lab will be open with very limited hours and only for data & report releasing



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If you have any questions, please contact your A&L account representative or email clientcarecannabis@alcanada.com

www.alcannabislabs.com

REMINDERS:

1. Cancellation Policy for Microbiology Testing

PLEASE NOTE: For Microbiology testing of Cannabis samples, cancellation of analytical services is permitted up to 24 hours after sample log in. Cancellation of testing after the 24 hours will result in full charges being applied for the analytical package requested.

2. Tissue Testing/Analysis

Plant Tissue Testing is an extremely useful tool for growers managing plant nutrition of cannabis.

Routine Analysis: Growers monitor nutrient uptake in the plant during production by taking multiple samples over the entire course of the growing season to identify problems or issues BEFORE they become serious concerns.

Diagnostic Analysis: Diagnose deficient or toxic nutrients when the plants are displaying negative symptoms. This process helps identify the specific problem and is primarily a corrective tool. Plant tissue analysis is especially useful in determining micronutrient levels in the plant and has a greater level of accuracy than a substrate test using a water-based extraction.

Routine Tissue Analysis Strategies to manage Mother Plants for Cannabis Growers:

1. **Sample Mother Plants:** Collect samples monthly during the time the plant is developing prior to taking cuttings. This would provide valuable information to ensure that plants contain adequate nutrient levels going into the cutting season.
2. **Sample the Plants Just Before Taking Cuttings:** Typically, nutrient levels decline over time as cuttings are harvested. Knowing the status of your stock plants enables growers to modify fertilizer practices to the stock plants during the cutting season to help ensure the cuttings are nutritionally charged when growers take them from the plant.
3. **Periodically Sample Cuttings Taken from the Mother Plants During the Cutting Season:** Determine if nutrient levels are being maintained in the stock. This will also verify that the cuttings themselves have adequate nutrients.

Each of these plant monitoring strategies requires that growers sample each cultivar separately, as nutrient levels can vary with each one. In addition, if there are differences in the plant's age or fertilization practices, cultivators should sample those blocks of plants separately. We require the most recently mature leaves for testing, not the old fan leaves or new off yellow leaves

Disease Diagnostic Analysis – Sampling Strategy:

To accurately diagnose a nutritional disorder, growers will need to take samples from the affected plant and/or symptomatic portion of the plant. For example, if the lower leaves display toxicity symptoms, then cultivators should sample those leaves. Because the critical lower deficiency ranges and toxic upper ranges for cannabis are not known at this time, if possible, cultivators should collect a "good" control sample to compare to their problem sample.

3. Heavy Metals Analysis for Inputs

When consumable plants like cannabis are grown in heavy metal-laden soil or media, the final product can be contaminated with unhealthy levels of heavy metals. **Contaminated water, inorganic fertilizers, and contaminated soil or media** are also possible sources of heavy metal contamination for cannabis. Cannabis is a strong bio-accumulator of such elements from a wide range of sources. Verifying that key inputs such as fertilizer, water and soil / media are contaminant free is critical to ensure quality and safety for consumers.

A&L recommends clients analyse inputs with ICP-MS instrumentation to ensure inputs are free of heavy metal contamination and adhere to Health Canada required limits.

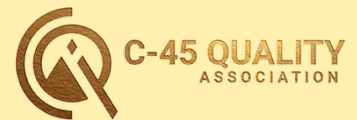
A&L offers this analysis with fee code EPZMM, requiring 5g of sample material and with a turn around time of 3 days.

Find A&L at these Upcoming 2022 Cannabis Events

JAN 27-29	Pacific Agriculture Show	www.agricultureshow.net	Abbotsford, BC
FEB/MARCH	A&L Canada Laboratories Soil Fertility Workshops	Details coming in January www.alcanada.com/workshops	VIRTUAL
APRIL 5-6	Growing Summit	www.growingsummit.com	Kelowna, BC
APRIL 26-27	C-45 Quality Summit	www.c45summit.com	Calgary, AB
MAY 12-15	Lift & Co. Expo	https://liftexpo.ca	Toronto, ON
JUNE 1-3	O'Cannabiz Conference & Expo	www.ocannabiz.com	Toronto, ON
JUNE 15-16	Cannabis.Wiki Conference Expo (with Western Fair)	https://expo.cannabis.wiki	London, ON
JUNE 20-22	Grow Up Conference	www.growupconference.com	Victoria, BC
JUNE 22	Cannabis Cultivation Grower Day	www.growerday.ca	St. Catharines, ON

C-45 Quality Association – Special Promotion

The C-45 Quality Summit returns on April 26-27, 2022, in Calgary – and there is a very special promotion on for early-bird registrations! From now until January 31st, the cost of your annual membership is INCLUDED in your Summit registration!



So how does this work? Head over to <https://www.c45association.com/apply> and get sign up for your membership. They will send you code with your discount on the Summit, which will match your membership cost (\$199 for voting or \$99 for non-voting!). Already a member? They will you code for your discount too!

REMEMBER! This is ONLY VALID UNTIL JANUARY 31st, and space at the summit is limited! We can't wait to see everyone in Calgary.

A&L Cannabis Labs Contact Information

For Cannabis or Hemp related questions, please email: clientcarecannabis@alcanada.com

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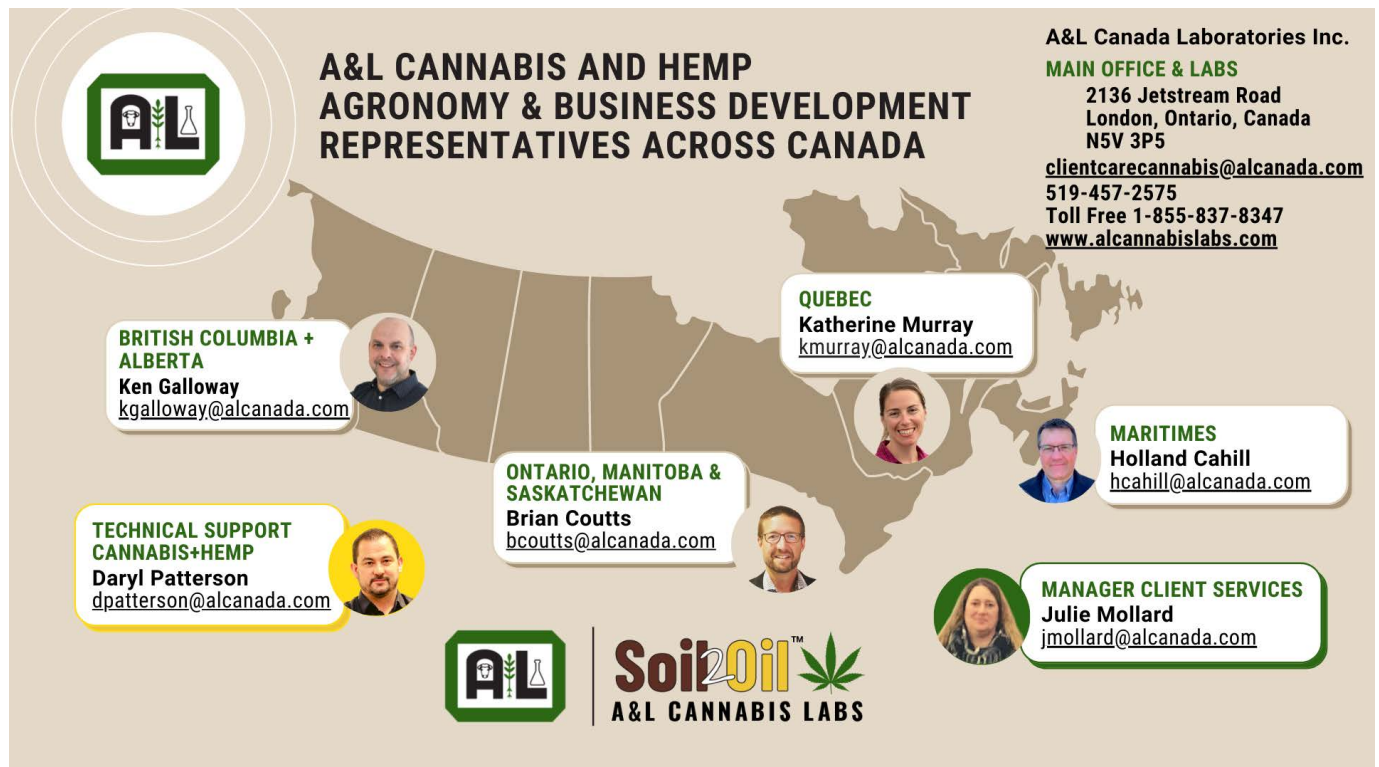
A&L Canada Laboratories Inc.

A STEP BEYOND TRADITIONAL LAB ANALYSIS

- Health Canada Lot Release Testing
- Plant Sex ID Assay / Density on Oils / Terpenes
- Quality Production Experts
- Microbiological Environmental Testing
- Plant / Soil / Media
- Disease Diagnostics
- Water / Tissue / Soil
- Residual Solvents
- Edibles / Beverages / Topicals
- Biologicals
- Seed-to-Sale Software

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