

East Coast Cannalytics Samples Handling

Sample Sizes

East Coast Cannalytics LLC needs only a small amount of sample to complete the lab analysis:

- Plant material (flower, biomass, etc.)
 - Fresh: 10-15 grams
 - Dried: 2-4 grams
- Extract (solid or liquid): 2 grams or mL
- Infused Oil: 2 mL



Approximate sample size for flower and extract.

The samples above represent typical products and production methods. However, each process is different, and some items or methods may not be on the list above. ECC will work with you to determine the best scope of analytical testing to meet any testing needs in the hemp industry.

Samples Handling

Request for testing services can be made by telephone or email. Samples can be either hand delivered or mailed to **2200 Kraft Drive, Suite 2275, Blacksburg, VA 24060**. Delivery of samples must be performed during regular business hours and by appointment with ECC to ensure receipt of samples.

The samples should be accompanied with a CHAIN OF CUSTODY, that includes the company information, contact information, and payment method, as well as payment covering the full amount of analysis. Check, cash and credit cards are accepted for payment. **All customers should read and understand the Terms and Conditions of the lab, which can be found at ECC's website.**

Please ensure packaging of samples for delivery or shipment is suitable, spill proof, and clearly labelled. For shipping, double or triple containment is recommended. Plant material samples should be in a bag or vial, within a plastic sealable bag. Products and extracts should be in a well-sealed vial within a bag. The sample container should have a unique label on the outside. See examples below.



LABEL should include:

- COMPANY NAME
- SAMPLE NAME
- BATCH or SAMPLE ID
- DATE SAMPLED



Samples Disposal

Upon completion of testing, ECC will dispose of samples and unused materials within fourteen (14) days in an appropriate way and in accordance with state and federal regulations (disposal procedures may vary for different sample types).

Importance of a Representative Samples

A sample is a part of anything presented and tested as evidence of the quality of the whole. Samples sent to ECC for testing need to be representative of the entire hemp crop(s) in the case for farmers or the entire production batch in the case of hemp processors. It is the customer's responsibility to submit a representative sample to ECC.

Due to the non-homogenous nature of the hemp plant itself and the variation in the field from one plant or section to another, it is challenging to obtain a representative sample. Many states' agriculture departments with hemp programs have protocols for how they will take sample(s). It is recommended that the farmer or grower is aware of these protocols and follows their guidance when sampling from the field. For additional recommendations on how to take a representative sample from the field, please call ECC and we can help!

Production batches are fairly homogenous in nature, therefore a representative sample of an extract, oil, or topical, is typically easier to take. Please ensure the material is well mixed before taking the sample.

Other Sampling Tips

- The requisite number of hemp plants to sample/cut from in the field varies from state-to-state. For VA any plot less than four (4) acres, the recommendation is to sample/cut from four (4) separate plants, and increases from there according to the acres grown. Other states guidelines, such as KY, recommend cutting from five (5) plants or more. Refer to the guidelines in your state for the proper number and location for sampling.
- Each plot should be sampled from and tested separately, resulting in each plot having separate test results. This can be beneficial if one plot tests for THC over the 0.3% limit, this will protect the other plots that test below the 0.3% limit from being destroyed.
- Recommendations on where to sample from within the plot varies. VA samples randomly throughout the plot, but avoids the edge of the fields. Oregon recommends taking samples in a zig-zag configuration to help obtain a representative sample. Refer to the guidelines in your state for the proper sampling method.
- Recommendations on where to take a cutting from the plant also varies. In VA "the cut shall be made just underneath an inflorescence (about 3-5 inches of tip). Inflorescences should be collected from the top one-third (1/3) of the plant." Other states recommend cutting from 8 inches to 12 inches from the top of the plant, which includes the inflorescence as well as more stalk and leaf material.
- **Freeze or refrigerate samples** collected from the field that will not be delivered to the lab the same day to avoid molding.

Know the Chemistry of your Cannabis.



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