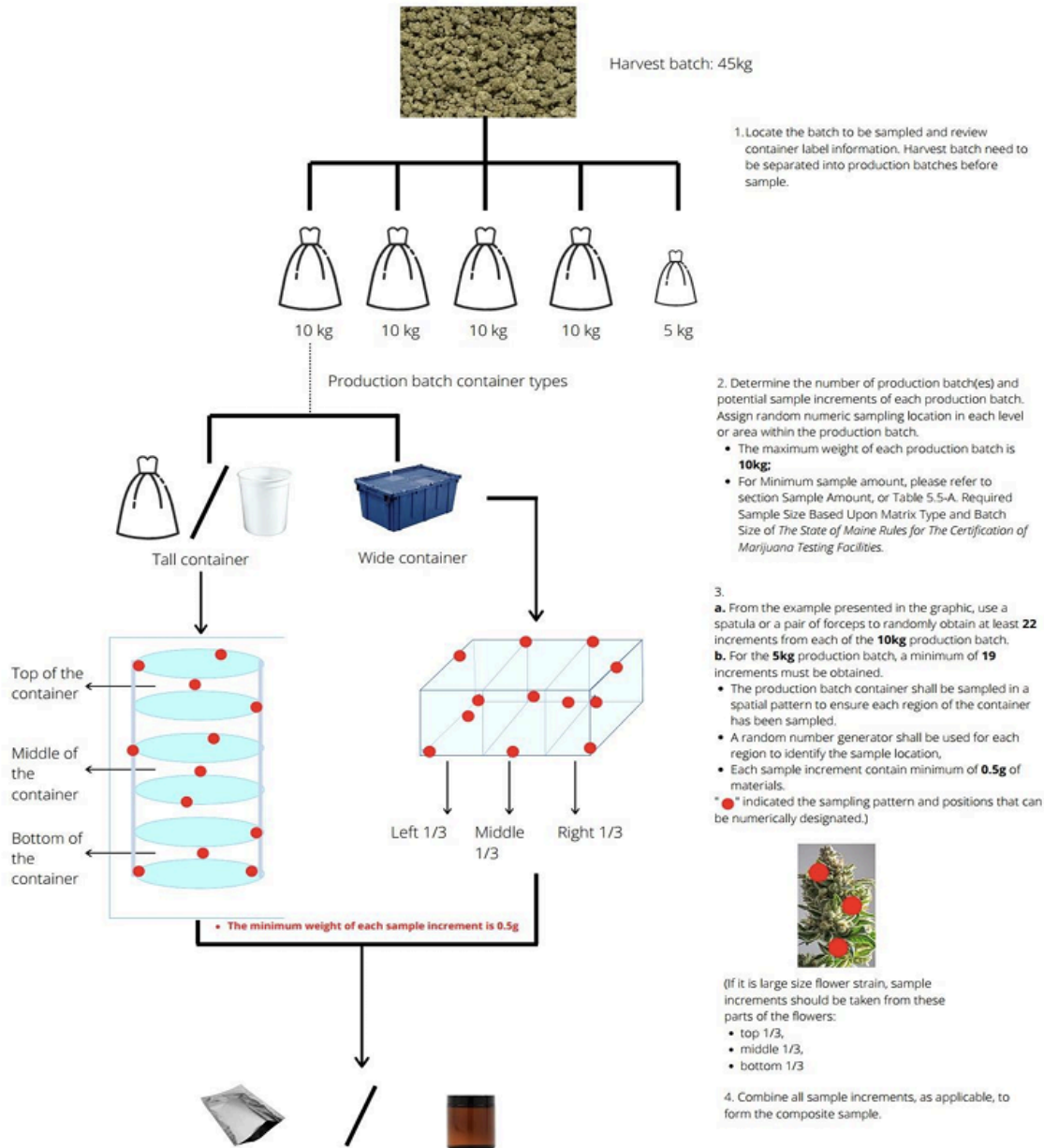
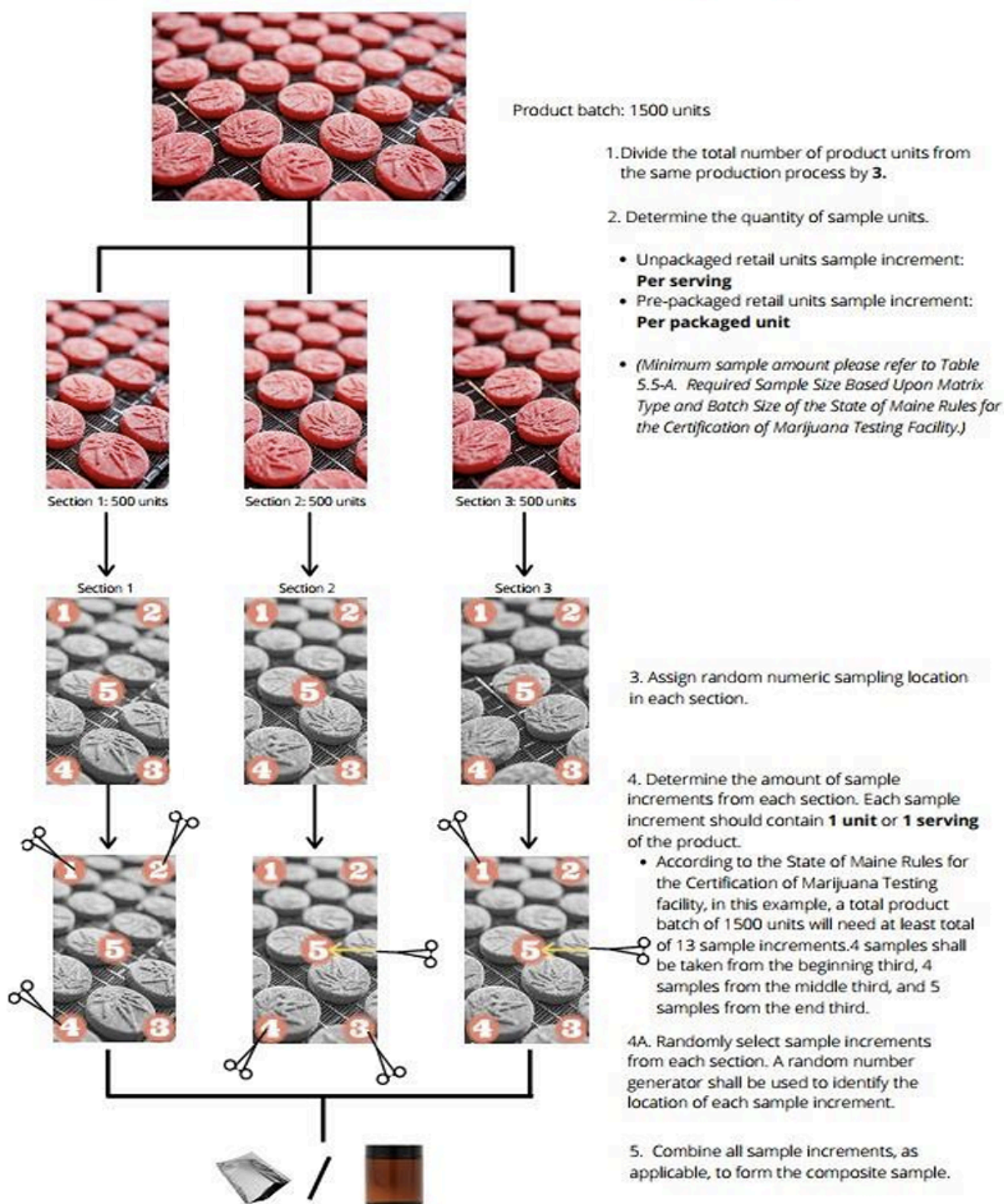


Sampling example for marijuana plant material

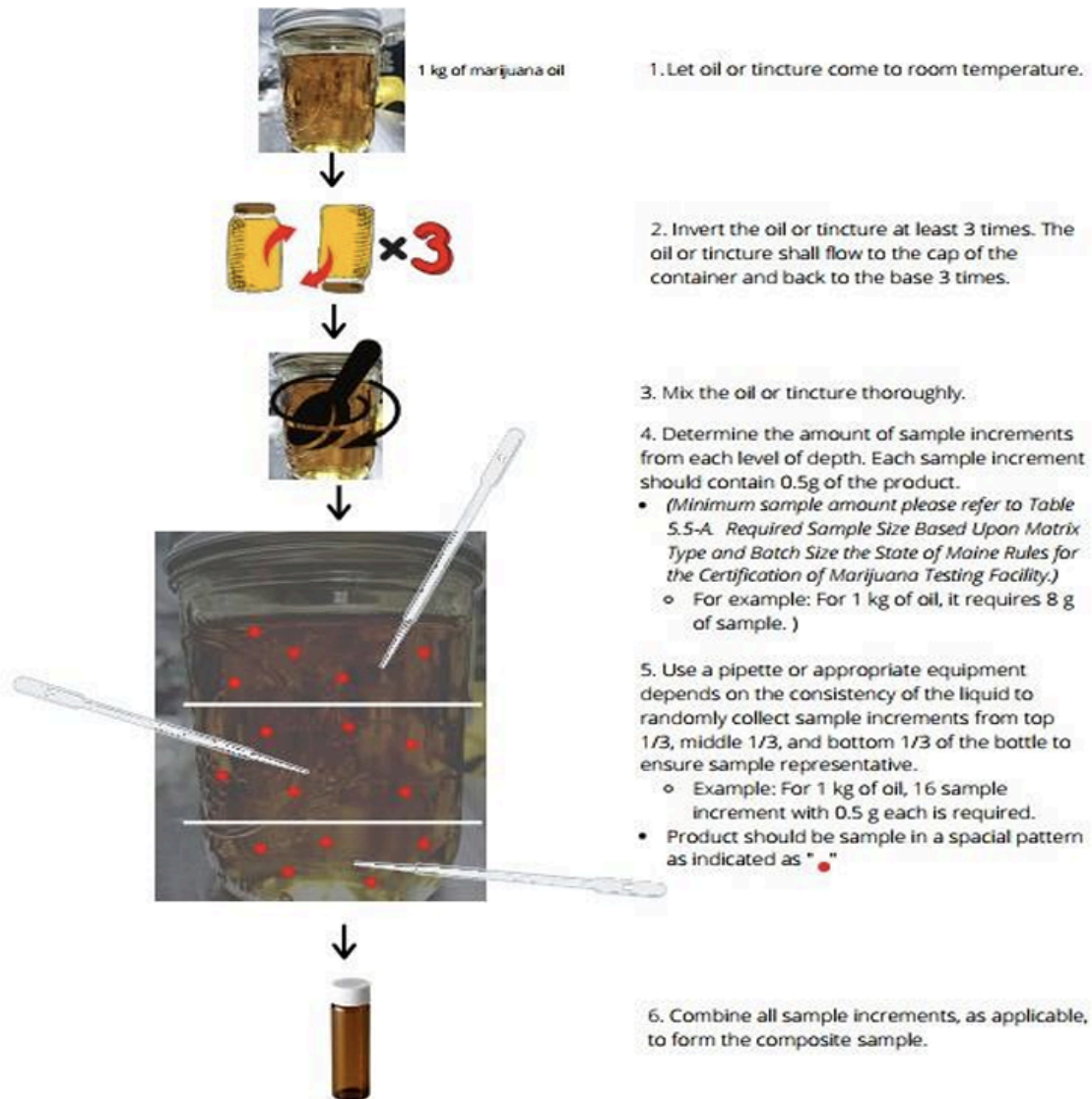


Sampling example for solid or semi solid marijuana products



Sampling example for marijuana extracts

A. Sampling liquid from a container



B. Sampling shatter / wax / slab



1 kg slab



1. Divide the production batch in 3 thickness level.



2. Determine the amount of sample increments from each section. Each sample increment should contain 0.5g of the product. Randomly collect same amount of sample increments from each thickness level. Sample increments shall be collected in a spacial pattern as indicated in "●"

- With 1 kg slab, 8 g of sample is needed which is at least 16 sample increments with 0.5g each.
- To collect same amount of sample increment in every zone, you will be collecting 18 sample increment in total (6 increment from each zone).





3. Combine all sample increments, as applicable, to form the composite sample.

Appendix B. Sample Collection Equipment and Containers.

Sampling Equipment

Sampling Tools

Tool Type	Tool Description
 Spatula	<p>The micro spatula can be used to sample, transfer or process small amounts of chemicals, powders, granulates, pastes, creams or liquids.</p>
 Forceps	<p>Forceps are used when fingers are too large to grasp small objects or when many objects need to be held at one time while the hands are used to perform a task. These are also referred to as tweezers, tongs, pliers, clips or clamps.</p>



Field Balance

Field balance is used to measure an object's mass to a degree of precision. It's easy to transfer for field visits.



**Calibrated
Verification Weight**

Precise, stable reference standard weights are used for checking the calibration of the balance during site visits and before each use.



**NIST Traceable
Thermometer**

NIST traceable calibration is an assurance program that certifies that equipment is traceable to National Institute of Standards and Technology (NIST) standards and that any products offered by that manufacturer will match those NIST-maintained measurement standards. This traceability for thermometer gives greater confidence that the temperature readings are accurate.



**NIST Traceable Infrared
Thermometer Gun**

An **infrared thermometer** is a thermometer which infers temperature from a portion of the thermal radiation emitted by the object being measured. These need to be NIST traceable as well.



Pipette

Pipettes may be constructed out of glass or plastic and are used to transfer a measurable amount of liquid. They are designed either to contain or to deliver a specific volume and will be stamped as such by the manufacturer.



Syringe

Syringe functions as a pipette or liquid transfer device.

Sample Collection Containers

Container Type	Container Description
 <p>Whirl-Pak Sterile Sample Bag</p>	<p>Whirl-Pak sterile sample bags are disposable, transparent bags for liquid or solid samples. These are made of polyethylene and have a sealed top that tears open easily along perforations. The mouth is reinforced by a wired band with an integrated loop tab which serve as a handle to allow for easy filling.</p> <p>Suitable analyses:</p> <ul style="list-style-type: none"> • Filth and foreign materials • Microbiological Impurities (Bacteria, Yeasts and Mold) • Metals • Water Activity & Moisture Content
 <p>Certified Clean Amber Jars</p>	<p>Amber glass jars (amber glass bottles; amber glass Boston Rounds; amber glass wide mouth packers), which should be certified clean, protect contents from UV rays and are ideal for light sensitive products. These general use bottles are perfect for liquids. These environmentally sensitive bottles help eliminate waste and help to ensure product integrity for long term storage.</p> <p>Suitable analyses:</p> <ul style="list-style-type: none"> • Homogeneity • Cannabinoid Profile • Pesticides • Water Activity & Moisture Content • Metals • Filth and Foreign Materials • Aflatoxins and Ochratoxins



**Borosilicate VOA Vial
with PTFE/Silicone
or Rubber Septa**

These **vials** are made of chemically inert clear Type I borosilicate 33 expansion glass, or for light sensitive samples, of amber 51 expansion glass. Silicone/PTFE is the most widely used material combination for septa used in vial closures (caps and seals). Both types of silicone and butyl rubber septa have a PTFE barrier layer which faces the sample, thereby reducing contact between the sample and the silicone or butyl rubber which is preferable for samples being analyzed for solvents.

Suitable analyses:

- Residual solvents



**Centrifuge
Tubes**

Centrifuge tubes are typically used in laboratory centrifuges, machines that spin samples in order to separate solids out of liquid chemical solutions; however, these can be used for sample collection as well.

Suitable analyses:

- Metals,
- Filth and Foreign Material
- Water Activity & Moisture Content