

TO TEST OILS/EDIBLES*

These products are typically decarboxylated via their production process. If that's the case, you can skip Step 1 of the instructions and move on to Step 2.

- Use 1 mL of oil or weigh 1 g of an edible (e.g., gummy, mint, hard candy, etc.), and add to the **extraction tube** along with the **extraction solution**.
- Mix until dissolved and well combined, and then follow the same instructions as you would with flower.
- As a final step, divide potency results by 10 (e.g., if your oil or edible test results are 20% THC, the actual potency of your oil/edible is 2%).

*CAUTION: natural or artificial colouring in edibles/oils may impact test accuracy.

TO TEST HIGH POTENCY EXTRACTS

If your extract is not decarboxylated, follow Step 1 of the testing instructions and then weigh out a 0.1 g sample. If your extract is already decarboxylated, skip Step 1 of the instructions and proceed to Step 2.

- Place 0.1 g of the sample in the **extraction tube** and add the **extraction solution**, following the same instructions as for flower.
- If you believe your sample is greater than 25% THC, simply double the amount of solvent when preparing your sample, and then double the results. For example, if you double the solvent and get a result of 15% THC, the sample contains approximately 30% THC.
- For extremely high THC concentrates, quadruple the amount of solvent, and then quadruple the results. For example, if you quadruple the amount of solvent and get a result of 20% THC, your concentrate is approximately 80% THC.

SAFETY INFORMATION

1. The kits use chemicals that may be dangerous to inhale, ingest, or touch. Read the **material safety data sheets** available for download at plantchek.com.
2. Use in a well-ventilated area or under a fume hood.
3. Wear gloves at all times.
4. Minimize exposure by keeping lids and caps on tubes as much as possible – only open as necessary, and always hold tubes when open to prevent spills.
5. Indicator dyes in test kits may stain if spilled.
6. When you combine your sample with the THC or CBD testing chemistry, some particulate will remain in the tubes. This is normal and will not affect results.
7. Disposal Instructions (where local regulations allow): **Extract solution** contains isopropanol and other non-hazardous ingredients. May be diluted with lots of water and poured down the drain. Indicator dyes – after use tightly cap tubes of indicator dyes and dispose.

THC

QUICK TEST

PLANTCHEK.COM



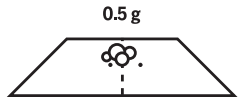
Scan for step-by-step instructions

INSTRUCTIONS FOR TESTING FLOWER

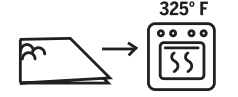
STEP 1 HEAT CONVERSION OF SAMPLE

Some cannabinoids exist in acid form (e.g., CBD-A) and must be converted to non-acid form (e.g., CBD). This can be done simply with low heat conversion, technically referred to as decarboxylation.

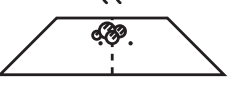
A Measure and grind ~0.5 g of sample onto a square of aluminum foil.



B Fold foil to cover/seal. Place sample in oven at 325° F for 5 minutes.




C Remove sample from oven – sample should be slightly browned or discoloured.



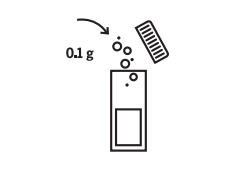
STEP 2 EXTRACTION

This step will efficiently extract all of the cannabinoids (e.g., THC) out of the sample and into the extraction solution, making it ready for testing in Step 3.

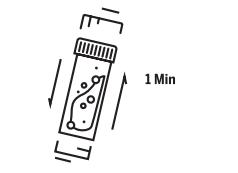
A Use Large Pipette to transfer 15 mL of Extraction Solution to Extraction Tube (blue cap). Fill to 15 mL mark on Extraction Tube.



B Add 0.1 g of the sample from Step 1 to Extraction Tube.



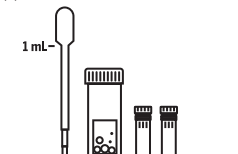
C Put the lid tightly on Extraction Tube and shake vigorously for 1 minute. Let sit for 1 minute.



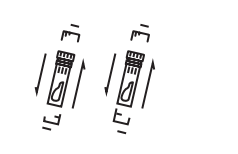
STEP 3 DETERMINE THC CONCENTRATION

Using two color assays to calculate the THC concentration allows for greater accuracy across a broader range of potencies.

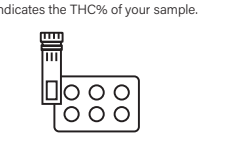
A Use the Small Pipette to transfer exactly 1 mL to each Assay Tube (one yellow and one red); the top line on the transfer pipette is 1 mL.



B Screw the lids back onto each Assay Tube. Shake well and let sit for exactly 5 minutes for the solution to develop.



C Compare the color of the tubes to the THC Potency Chart. Tubes should be viewed in a well-lit area against the white area of the chart. The closest match indicates the THC% of your sample.



IF YOU BELIEVE YOUR SAMPLE ALSO HAS A HIGH CBD LEVEL

The **red** and **yellow** indicator dyes in the THC testing kits may react with some other cannabinoids such as CBD. Most strains have very low levels of other cannabinoids, and thus the results will be unaffected. If you suspect your strain has high CBD, you can use the Plantchek CBD Quick Test to determine the percentage of CBD, and then subtract this percentage from your result from the THC test kit. For example, if your sample results indicate 20% THC and 10% CBD, the actual result is 10% THC and 10% CBD.

PHD CREATED AND PATENT PROTECTED

Founded in 2005, Compassionate Analytics is the vision of two Canadian researchers focused on developing forward-thinking scientific products and analytical services. Compassionate Analytics produces simple and accurate THC and CBD testing kits for cannabis researchers, commercial horticulturalists, and home gardeners.

THC POTENCY CHART

Compare concentration results to the chart below to determine potency. If the results from the two colors are different, then for greater accuracy simply average the two results to obtain the final THC %

