Cannabis QTest Instructions

IMPORTANT:

- Use this kit at room temperature. If stored in a refrigerator, let it warm up for 1 hour first.
- **ALWAYS** wear protective gloves and safety glasses while testing.
- Perform the test on a flat surface during the day, and evaluate the result in daylight immediately after the **10-minute** development.
- Use a white, letter-sized sheet of paper as a background when evaluating the color. (See **Evaluate the Results** for details).

BEFORE TESTING, PLEASE NOTE:

- This test kit detects the concentration of **THC** and **CBD** in **cannabis or THCA flower, buds, extracts, oils, and vape liquid.** The kit does **not** work with **gummies**, **chocolates**, **brownies,** or other **edibles**.
- You need to **homogenize** your cannabis before you perform the test, using a grinder (or coffee grinder). Alternatively, you can finely chop material on a cutting board using a sharp knife. Then mix the chopped material thoroughly.

- **FOR FLOWER:**
  - Weigh out **20 mg (.02 g)** of material for the test.
  - The result will tell you the percentage of THC and CBD in **all the remaining cannabis / THCA** that you homogenized.

Follow the Test Steps.
After **Step 3,** you can determine the **CBD concentration**. Then, continue the steps to find the **THC concentration.**

BEFORE TESTING, PLEASE NOTE (cont.):

- **FOR EXTRACTS:**
  - **Medium-concentration extracts**, use **10 mg** of material.
    - Later, you will multiply the end result by 2. The results will range from 0% to 50% THC.
  - **Highly-concentrated extracts**, use **5 mg** of material.
    - Later, you will multiply the end result by 4. The results will range from 0% to 100% THC.

- **FOR VAPES & OILS:**
  - Even high-THC vape products do not typically exceed 30% THC.
  - **For highly-concentrated vapes & oils** (around 30% THC), use **1 drop** for the test.
  - **For lower-concentrated vapes & oils**, use **2–3 drops**.

- For testing vape liquid & oils, you will need the weight to calculate the final result. Here's how to do it:
  - **Measure the weight of your liquid sample:**
    - Weigh the Extraction Vial on a milligram scale. This is your **Vial Weight.**
    - Open the Extraction Vial. Drop the amount of liquid you will use for the test (1–3 drops, depending on the concentration) into this vial.
    - Weigh the Extraction Vial again and note the new weight. This is your **Total Weight.**
  - **Calculate the Liquid Weight:**
    - **Total Weight – Vial Weight = Liquid Weight**
  - **You're ready to test!**
    - At the end, you will use the **Liquid Weight** as your reference to calculate the THC concentration.
    - Follow the example provided in **Evaluating the Results** to calculate the concentration for your liquid sample.

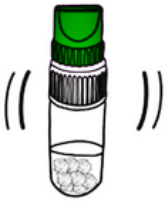
Perform the Test

IMPORTANT: Please read the Safety Information before conducting any test.

TEST STEPS:

1. Open the plastic dropper bottle with the colored cap (by turning the white part of the cap). Carefully pour the **20 mg** of homogenized cannabis flower into the bottle using a funnel or a creased piece of paper, then put the lid back on and close it tightly.

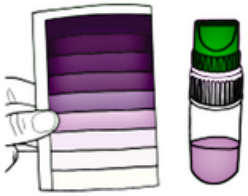
2. Shake the bottle well for about **12 to 20 seconds**, then set it down to rest for **10 minutes**.



- During the resting period, repeat the shaking process **2** more times; once at about the **3-minute** mark, and again at about the **7-minute** mark.
- Each time you set the bottle down to rest, make sure the cannabis material remains inside the liquid. (If you see material stuck in the upper section of the bottle, a quick shake with the bottle in a vertical position will usually rinse it back down).

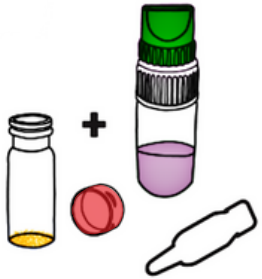
3. After **10 minutes**, evaluate the **CBD results** immediately.

- After the 10 minute mark, you only have about **3 minutes** to read results!
- The liquid will continue to change color after this time and falsify the result.
- If CBD is present, the detection liquid will be a shade of **purple**.
- Go to **EVALUATE THE RESULTS** to read the CBD concentration.



TEST STEPS (cont.):

4. Now, continue the test to determine the **THC concentration**. Open the small glass vial, and set aside. Remove the colored cap from the plastic dropper bottle you just used (not the white part this time, just the colored tip). Add **10 drops** to the glass vial.



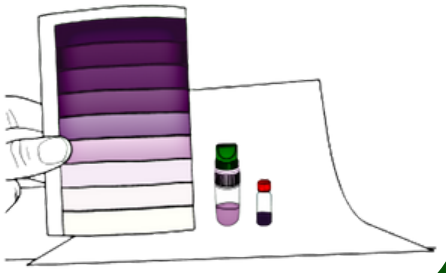
5. Take the plastic blister.

- Before you open it, ensure the liquid inside is at the **bottom** of the package, so it will not spill out when you tear it open.
- If you see liquid near the top (near the tear point), shake lightly or tap it on a table, so the liquid drops down to the bottom.
- Open the plastic blister, by twisting and tearing the top. Add **5 drops** of the liquid into the vial.

6. After adding **5 drops** of liquid from the blister, put the lid back on the glass vial and close it tightly, then gently move the vial from side to side to mix the ingredients.

7. The liquid in the glass vial will change color almost **immediately** (within **10 seconds**).

Use the **right side** of the enclosed color chart to determine the THC content of your material.



Evaluate the Results

RESULTS EVALUATION TIPS:

- Evaluate the **CBD concentration** after **Step 3**, immediately after waiting **10 minutes** (the color can become invalid in as little as **3 minutes** after that).
- Evaluate the **THC concentration** after **Step 7,** within 4 hours.
- Daytime sunlight is best suited for optimal evaluation.
  - If using artificial light, different color temperatures may slightly change the vial's hue (e.g. high blue content in energy-saving lamps, green discoloration when using LED light from cell phones, etc).

RESULTS EVALUATION STEPS:

1. Use a white, letter-sized sheet of paper as a background.

2. In daylight or under bright light, hold the glass vial next to the color chart about **6 to 8 inches** in front of the white sheet of paper and look through the glass vial head on.

3. Compare the color of the liquid in the vial to the color chart. The concentration of THC and CBD is listed as a **percentage**. This concentration applies to all of your remaining homogenized flower.

CBD:

- Use the **left side** of the color chart to determine the **CBD content**.
- If CBD is present, the liquid in the **plastic dropper bottle** will turn **purple.**
- This bottle will **not** change color in the presence of THC, but only in the presence of CBD.

THC:

- Use the **right side** of the color chart to determine the **THC content.**
- If THC is present, the liquid in the **small glass vial** will turn **purple**.
- If there is **no** THC, but there *is* CBD, the liquid in the small vial will turn **orange.**
- If there is **neither** THC nor CBD, the liquid in the small vial **won't change color** (or will turn slightly **gray**).

RESULTS EVALUATION FOR EXTRACTS & OILS:

EXTRACTS:

- **For medium-concentration extracts**, using **10 mg** of material:
  - Multiply the result from the color chart by **2**. The results will range from 0% to 50% THC.
  - **Example:** If the chart shows 25% THC, the actual THC content of your extract is 25% × 2 = 50%.
- **For highly-concentration extracts, using 5 mg of material:**
  - Multiply the result from the color chart by **4.** The results will range from 0% to 100% THC.
  - **Example:** If the chart shows 25% THC, the actual THC content of your extract is 25% × 4 = 100%.

LIQUIDS & OILS:

- **For a liquid sample that weighs 20 mg/drop:**
  - The result can be read directly from the color chart.
  - **Example:** If the chart shows 15% THC, the actual THC content of your batch of liquid / oil is 15%.
- **For a liquid sample that weighs something other than 20 mg/drop:**
  - Adjust the result to account for the weight difference.
  - **Example:** Let's say your result shows 20% THC on the color chart, and your Liquid Weight was 50 mg.
  - First, calculate the **weight difference** based on the color chart, which references a 20 mg sample:
    - Your **Liquid Weight ÷ 20 mg** = **Weight Difference**.
    - 50 mg ÷ 20 mg = 2.5.
  - Then, take this number to find out the actual THC content:
    - **Your Result ÷ Weight Difference** = **Actual THC Content in your batch of liquid / oil.**
    - 20% ÷ 2.5 = 8% THC in your batch of liquid / oil.