



## **DCC Guidance – Total THC Content and Total CBD Content**

The Division of Cannabis Control (DCC or Division), pursuant to authority in Ohio Revised Code (O.R.C.) 3796 and Ohio Administrative Code (O.A.C.) 1301:18, is providing the following guidance on the calculations for Total THC Content and Total CBD Content and the required reporting of cannabinoids.

Delta-9 THC, Delta-9 THCA, and Delta-8 THC must be included in the calculation of Total THC Content. The total content of THC, including Delta-8 THC, Delta-9 THC, and 87.7 percent of the amount of Delta-9 THCA, shall not exceed 35 percent for plant material or 90 percent for manufactured products. Please refer to the [“Allowable THC Range Examples”](#) for more information.

CBD and 87.7 percent of the amount of CBDA must be included in the calculation of Total CBD Content.

### **Testing and Laboratory Reporting**

Testing laboratories must test and report into Metrc the results for Delta-9 THC, Delta-9 THCA, Delta-8 THC and include those results in the calculation of Total THC Content. Testing laboratories must also test and report into Metrc the results for THCV but shall not include THCV in the calculation of Total THC Content.

Additionally, testing laboratories must test and report into Metrc the results for CBD and CBDA and include those results in the calculation of Total CBD Content. Testing laboratories must also test and report into Metrc the results for CBN but shall not include CBN in the calculation of Total CBD Content.

Reporting of any other calculated results, including other “Total Cannabinoids” or “Total Terpenes,” is prohibited at this time.

### **Packaging and Labeling**

In addition to Total THC Content, Delta-9 THC, Delta-9 THCA, Delta-8 THC, and THCV are to be included as additional line items on the label. All of these isomers/analogues are required on all cannabis package labels even if the laboratory testing results report no quantifiable amount. Furthermore, licensees are precluded from utilizing abbreviations on labels, such as “Delta-8” or “D-8.”

Finally, CBD and CBDA must be included as line items on the label; Total CBD Content may be included on the label.

Labeling of any other calculated results, including other “Total Cannabinoids” or “Total Terpenes,” is prohibited at this time. Please refer to the [“Standardized Label Template”](#) for more information.



Testing, Reporting, and Labeling Requirements					
Isomer/Analog	Testing	Laboratory Reporting	Labeling	Included in Total THC Content	Included in Total CBD Content
Delta-9 THC	✓	✓	✓	✓	No
Delta-9 THCA	✓	✓	✓	✓	No
Delta-8 THC	✓	✓	✓	✓	No
THCV	✓	✓	✓	No	No
CBDA	✓	✓	✓	No	✓
CBD	✓	✓	✓	No	✓
CBN	✓	✓	Not Required	No	No

### Examples

- **Formula for Plant Material**
  - % Delta-9 THC + % Delta-8 THC + (0.877 x % Delta-9 THCA) = Total THC Content
- **Example for Plant Material**
  - 0.20% Delta-9 THC + 0.11% Delta-8 THC + (0.877 x 22.70% Delta-9 THCA) = 20.22% Total THC Content
- **Formula for Processed Products**
  - Total mg Delta-9 THC + Total mg Delta-8 THC + (0.877 x Total mg Delta-9 THCA) = Total THC Content
- **Example for Processed Products**
  - 587.2mg Delta-9 THC + 3.5mg Delta-8 THC + (0.877 x 8.4mg Delta-9 THCA) = 598.07mg Total THC Content

### Product ID Registration

All required isomers and analogs (i.e. Delta-9 THC, Delta-8 THC, and 87.7 percent of Delta-9 THCA) must be included in the Total THC Content calculation submitted for Product Item ID registration. Please see the [“Product ID Submissions Guidance Document”](#) for more information.

### Recordkeeping Requirements

Licensees must maintain all supply chain records relevant to the ingredients used during cannabis production. This includes records of purchases and production of Delta-8 THC, CBD, THCV, or any other ingredient used in the production of cannabis as required by Chapter 3796 of the Ohio Revised Code and Chapter 1301:18 of the Ohio Administrative Code.