

## R68. Agriculture and Food, Plant Industry.

### R68-29. Quality Assurance Testing on Cannabis.

#### R68-29-7. Potency Testing.

(1) A lot or batch of cannabis plant product, cannabis concentrate, or cannabis product shall have its cannabinoid profile determined and listed on a COA as total THC, total CBD, and the total concentration of any THC analog known to be present.

(2) A lot or batch of cannabis plant product, cannabis concentrate, or cannabis product fail quality assurance testing for cannabinoid content if:

(a) it is not analyzed for each of the analytes listed in Table 2;

(b) the determined amount of any analyte exceeds its action level given in Table 2;

(c) it is found to contain a detectable amount of any of the artificially derived cannabinoids listed in Table 3 as determined by liquid chromatography-mass spectroscopy; or

(d) greater than 10% of the total cannabinoid peak area is comprised of unknown cannabinoids after peaks smaller than 1% of the total peak area have been excluded as determined by high-performance liquid chromatography with a diode array detector (HPLC-DAD).

Analyte	Chemical Abstract Service	Action Level
$\Delta$ 9-Tetrahydrocannabinidiol ( $\Delta$ 9-THC)	1972-08-03	No Limit
$\Delta$ 8-Tetrahydrocannabinidiol ( $\Delta$ 8-THC)	5957-75-5	No Limit
$\Delta$ 9-Tetrahydrocannabinolic acid (THCA)	23978-85-0	No Limit
$\Delta$ 9-Tetrahydrocannabivarin (THCV)	31262-37-0	No Limit
Cannabidiol (CBD)	13956-29-1	No Limit
Cannabidiolic acid (CBDA)	1244-58-2	No Limit
Cannabidivarin (CBDV)	24274-48-4	No Limit
Cannabinol (CBN)	521-35-7	No Limit
Cannabigerol (CBG)	25654-31-3	No Limit
Cannabichromene (CBC)	20675-51-8	No Limit
Cannabigerolic acid (CBGA)	25555-57-1	No Limit
Cannabichromenic acid (CBCA)	20408-52-0	No Limit
9R- $\Delta$ 6a,10a-Tetrahydrocannabinidiol ( $\Delta$ 3-THC)	95720-01-7	1% <sup>1</sup>
9S- $\Delta$ 6a,10a-Tetrahydrocannabinidiol ( $\Delta$ 3-THC)	95720-02-8	1% <sup>1</sup>
(6aR,9R)- $\Delta$ 10-Tetrahydrocannabinidiol	95543-62-7	1% <sup>1</sup>
(6aR,9S)- $\Delta$ 10-Tetrahydrocannabinidiol	95588-87-7	1% <sup>1</sup>
Cannabicitran (CBTC)	31508-71-1	2%

If the laboratory performing the testing cannot chromatographically separate 9(R+S)- $\Delta$ 6a,10a-Tetrahydrocannabidiol or (6aR,9(R+S))- $\Delta$ 10-Tetrahydrocannabidiol, then the action level for the combined isomers will be 1.5%.

<b>TABLE 3</b> <b>Artificially Derived Cannabinoids</b>	
<b>Analyte</b>	<b>Chemical Abstract Service</b>
Hexahydrocannabinol (HHC)	36403-90-4, 36403-91-5
Tetrahydrocannabinol acetate (THC-OAc)	23132-17-4
3-Heptyl-delta(1)-tetrahydrocannabinol (THCP)	54763-99-4, 51768-60-6