



Certificate ID: **111373**

Received: **12/2/22**

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CANNAFLOWER

Client Sample ID: **Cherry Chip**

40 University Way, Unit 40

Lot Number:

Brattleboro, VT 05301

Matrix: **Flowers/Bud-Dry Flower**



Authorization: Andrew Aubin, Lab Director	Signature: 	Date: 1/31/2023
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The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]

Analyst: **SD**

Test Date: **1/27/2023**

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

111373-CN

ID	Weight %	Concentration (mg/g)			
Δ9-THC	0.0582	0.582			
THCV	ND	ND			
CBD	0.506	5.06			
CBDV	ND	ND			
CBG	ND	ND			
CBC	0.0468	0.468			
CBN	ND	ND			
THCA	0.517	5.17			
CBDA	19.1	191			
CBGA	0.647	6.47			
CBDVA	0.0351	0.351			
Δ8-THC	ND	ND			
exo-THC	ND	ND			
Total	20.9	209	0%	Cannabinoids (wt%)	19.1%
Max THC	0.512	5.12			Limit of Quantitation (LOQ) = 0.0066 wt%
Max CBD	17.3	173			Limit of Detection (LOD) = 0.0022 wt%

Ratio of Total CBD to THC 33.7:1

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: $MAX\ THC = (0.877 \times THCA) + THC$. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND=None detected above the limits of detection (LOD), which is one third of Limit of Quantification (LOQ). For values reported as "<LOQ", the estimated value is included in the calculated Total.

TP: Terpenes Profile [WI-10-37]

Analyst: CS

Test Date: 1/26/2023

The sample was analyzed for terpenes (WI-10-37) utilizing solvent extraction followed by Gas Chromatography (GC) utilizing flame ionization detection (FID). Chromatographic data were processed by quantitatively comparing the analytical peak areas against calibration curves prepared from certified reference standards.

111373-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.0197	197	
camphene	79-92-5	ND	ND	
sabinene	3387-41-5	ND	ND	
beta-pinene	127-91-3	0.0403	403	
beta-myrcene	123-35-3	0.480	4,800	
alpha-phellandrene	99-83-2	ND	ND	
delta-3-carene	13466-78-9	ND	ND	
alpha-terpinene	99-86-5	ND	ND	
p-cymene	99-87-6	ND	ND	
D-limonene	5989-27-5	0.334	3,340	
eucalyptol	470-82-6	ND	ND	
alpha-ocimene	502-99-8	ND	ND	
beta-ocimene	13877-91-3	ND	ND	
gamma-terpinene	99-85-4	ND	ND	
terpinolene	586-62-9	0.0114	114	
L-fenchone	7787-20-4	ND	ND	
linalool	78-70-6	0.0740	740	
isopulegol	89-79-2	ND	ND	
menthol	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.527	5,270	
alpha-humulene	6753-98-6	0.243	2,430	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	0.0163	163	
caryophyllene oxide	1139-30-6	ND	ND	
guaial	489-86-1	ND	ND	
alpha-bisabolol	23089-26-1	0.122	1,220	

Total Terpene: 1.9 wt%

* Certified reference standard not available for this compound. Concentration is estimated using the response factor from alpha-pinene. ND = None Detected. RL = Reporting Limit of 5 ppm.

END OF REPORT