

Certificate ID: **111375**

 Received: **12/2/22**

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CANNAFLOWER
**40 University Way, Unit 40
 Brattleboro, VT 05301**

 Client Sample ID: **Frosted Lime**

Lot Number:

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

Authorization: Chris Hudalla, Chief Science Officer	Signature: 	Date: 12/14/2022
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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: AC

Test Date: 12/5/2022

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.

111375-CN

ID	Weight %	Concentration (mg/g)			
Δ9-THC	0.0600	0.600			
THCV	ND	ND			
CBD	0.342	3.42			
CBDV	ND	ND			
CBG	0.0618	0.618			
CBC	0.0443	0.443			
CBN	ND	ND			
THCA	0.604	6.04			
CBDA	17.4	174			
CBGA	0.876	8.76			
CBDVA	0.123	1.23			
Δ8-THC	ND	ND			
exo-THC	ND	ND			
Total	19.5	195	0%	Cannabinoids (wt%)	17.4%
Max THC	0.590	5.90		Limit of Quantitation (LOQ) =	0.0067 wt%
Max CBD	15.6	156		Limit of Detection (LOD) =	0.0022 wt%

Ratio of Total CBD to THC 26.5:1

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 x 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: 12/5/2022

Client sample analysis was performed using full evaporative technique (FET) headspace sample delivery and gas chromatographic (GC) compound separation or solvent extraction followed by gas chromatographic (GC) compound separation. A combination of flame ionization detection (FID) and/or mass spectrometric (MS) detection with mass spectral confirmation against the National Institute of Standards and Technology (NIST) Mass Spectral Database, Revision 2017 were used. Chromatographic and/or mass spectral data were processed by quantitatively comparing the analytical peak areas against calibration curves prepared from certified reference standards.

111375-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.0664	664	
camphene	79-92-5	ND	ND	
sabinene	3387-41-5	ND	ND	
beta-pinene	127-91-3	0.0345	345	
beta-myrcene	123-35-3	0.236	2,360	
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	0.0353	353	
eucalyptol	470-82-6	ND	ND	
alpha-ocimene	502-99-8	ND	ND	
beta-ocimene	13877-91-3	0.0178	178	
gamma-terpinene	99-85-4	ND	ND	
terpinolene	586-62-9	0.0104	104	
L-fenchone	7787-20-4	ND	ND	
linalool	78-70-6	0.0540	540	
isopulegol	89-79-2	0.0099	99.0	
menthol	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.339	3,390	
alpha-humulene	6753-98-6	0.214	2,140	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	0.0358	359	
caryophyllene oxide	1139-30-6	ND	ND	
guaiol	489-86-1	0.0355	355	
alpha-bisabolol	23089-26-1	0.162	1,620	

Total Terpene: 1.3 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