

Certificate ID: **91076**

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CANNAFLOWER

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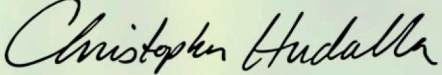
Brattleboro, VT 05301

Attn: Perrin

Client Sample ID: **Cherry Wine**

Lot Number: **122020**

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

Authorization: Chris Hudalla, Chief Science Officer	Signature: 	Date: 1/7/2021
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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: *JFD*

Test Date: *1/1/2021*

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.

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ID	Weight %	Concentration (mg/g)			
D9-THC	0.0882	0.882			
THCV	ND	ND			
CBD	0.724	7.24			
CBDV	ND	ND			
CBG	0.0293	0.293			
CBC	0.0534	0.534			
CBN	ND	ND			
THCA	0.324	3.24			
CBDA	11.1	111			
CBGA	0.606	6.06			
D8-THC	ND	ND			
exo-THC	ND	ND			
Total	12.9	129	0%	Cannabinoids (wt%)	11.1%
Max THC	0.372	3.72		Limit of Quantitation (LOQ) =	0.0067 wt%
Max CBD	10.4	104		Limit of Detection (LOD) =	0.0022 wt%

Ratio of Total CBD to THC 28.0:1

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 LOQ.

TP: Terpenes Profile [WI-10-27]

Analyst: AEG

Test Date: 12/29/2020

Client sample analysis was performed using full evaporative technique (FET) headspace sample delivery and 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.

91076-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.0071	70.6	
camphene	79-92-5	0.0005	5.48	
sabinene*	3387-41-5	0.0035	34.5	
beta-myrcene	123-35-3	0.0531	531	
beta-pinene	127-91-3	0.0107	107	
alpha-phellandrene	99-83-2	0.0085	84.5	
delta-3-carene	13466-78-9	0.0034	33.6	
alpha-terpinene	99-86-5	0.0074	73.6	
alpha-ocimene	502-99-8	0.0009	9.23	
D-limonene	138-86-3	0.0325	325	
p-cymene	99-87-6	0.0012	11.6	
cis-beta-ocimene	3338-55-4	0.0414	414	
eucalyptol	470-82-6	0.0118	118	
gamma-terpinene	99-85-4	0.0084	83.7	
terpinolene	586-62-9	0.176	1,760	
linalool	78-70-6	0.0242	242	
L-fenchone*	7787-20-4	0.0015	15.4	
isopulegol	89-79-2	ND	ND	
menthol*	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.349	3,490	
alpha-humulene	6753-98-6	0.132	1,320	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	0.0157	157	
guaiol	489-86-1	0.0384	384	
caryophyllene oxide	1139-30-6	0.0084	84.4	
alpha-bisabolol	23089-26-1	0.0884	884	

Total Terpene: 1.0 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