

Certificate ID: **111384**
 Client Sample ID: **Sour Dog**
 Lot Number:

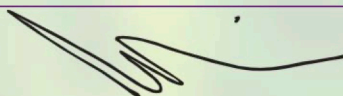
Received: **12/2/22**

Scan QR Code
for authenticity



CANNAFLOWER
40 University Way, Unit 40
Brattleboro, VT 05301

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

Authorization:	Signature:	Date:
Andrew Aubin, Lab Director		12/23/2022



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: **12/15/2022**

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.

111384-CN

ID	Weight %	Concentration (mg/g)	
Δ9-THC	0.0664	0.664	
THCV	ND	ND	
CBD	0.417	4.17	
CBDV	ND	ND	
CBG	ND	ND	
CBC	0.0494	0.494	
CBN	ND	ND	
THCA	0.612	6.12	
CBDA	18.6	186	
CBGA	0.503	5.03	
CBDVA	ND	ND	
Δ8-THC	ND	ND	
exo-THC	ND	ND	
Total	20.2	202	0% Cannabinoids (wt%) 18.6%
Max THC	0.603	6.03	Limit of Quantitation (LOQ) = 0.0067 wt%
Max CBD	16.7	167	Limit of Detection (LOD) = 0.0022 wt%

Ratio of Total CBD to THC 27.7:1

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: $\text{MAX THC} = (0.877 \times \text{THCA}) + \text{THC}$. 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.











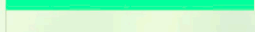






TP: Terpenes Profile [WI-10-37]

Analyst: AA

Test Date: 12/14/2022

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.

111384-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.0418	418	
camphene	79-92-5	ND	ND	
sabinene	3387-41-5	ND	ND	
beta-pinene	127-91-3	0.0439	439	
beta-myrcene	123-35-3	0.380	3,800	
alpha-phellandrene	99-83-2	0.0181	181	
delta-3-carene	13466-78-9	0.0111	111	
alpha-terpinene	99-86-5	0.0156	156	
p-cymene	99-87-6	ND	ND	
D-limonene	5989-27-5	0.104	1,040	
eucalyptol	470-82-6	0.0089	88.9	
alpha-ocimene	502-99-8	ND	ND	
beta-ocimene	13877-91-3	0.0626	626	
gamma-terpinene	99-85-4	0.0112	112	
terpinolene	586-62-9	0.345	3,450	
L-fenchone	7787-20-4	ND	ND	
linalool	78-70-6	0.0494	494	
isopulegol	89-79-2	ND	ND	
menthol	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.509	5,090	
alpha-humulene	6753-98-6	0.309	3,090	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	ND	ND	
caryophyllene oxide	1139-30-6	0.0421	421	
guaial	489-86-1	0.0766	766	
alpha-bisabolol	23089-26-1	0.103	1,030	
				wt% 0.00 0.50 1.00

Total Terpene: 2.1 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