

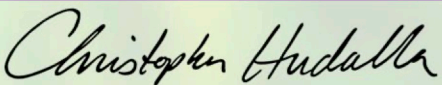
Certificate ID: **108717**
 Client Sample ID: **Sour Tsunami**
 Lot Number: **0012**
 Matrix: **Flowers/Bud - Dry Flower**

Received: **8/26/22**

Scan QR Code for authenticity



CANNAFLOWER
40 University Way, Unit 40
Brattleboro, VT 05301

Authorization: Chris Hudalla, Chief Science Officer	Signature: 	Date: 8/31/2022
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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: 8/29/2022

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.

108717-CN

ID	Weight %	Concentration (mg/g)			
Δ9-THC	0.202	2.02			
THCV	ND	ND			
CBD	4.95	49.5			
CBDV	0.107	1.07			
CBG	0.318	3.18			
CBC	0.284	2.84			
CBN	0.0094	0.0940			
THCA	0.382	3.82			
CBDA	11.3	113			
CBGA	0.709	7.09			
CBDVA	0.228	2.28			
Δ8-THC	ND	ND			
exo-THC	ND	ND			
Total	18.5	185	0%	Cannabinoids (wt%)	11.3%
Max THC	0.562	5.62			Limit of Quantitation (LOQ) = 0.0066 wt%
Max CBD	14.9	149			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: AA

Test Date: 8/30/2022

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.

108717-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.114	1,140	
camphene	79-92-5	ND	ND	
sabinene	3387-41-5	ND	ND	
beta-pinene	127-91-3	0.0275	275	
beta-myrcene	123-35-3	0.479	4,790	
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	0.0420	420	
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	
L-fenchone	7787-20-4	ND	ND	
terpinolene	586-62-9	ND	ND	
linalool	78-70-6	0.0121	121	
isopulegol	89-79-2	ND	ND	
menthol	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.0701	701	
alpha-humulene	6753-98-6	0.0285	285	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	0.0116	116	
caryophyllene oxide	1139-30-6	0.0088	87.6	
guaial	489-86-1	0.0696	696	
alpha-bisabolol	23089-26-1	0.0329	329	

Total Terpene: 0.9 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