



Certificate ID: **111382**

Received: **12/2/22**

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**CANNAFLOWER**

Client Sample ID: **Orange Glaze**

**40 University Way, Unit 40**

Lot Number:

**Brattleboro, VT 05301**

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



Authorization: <b>Andrew Aubin, Lab Director</b>	Signature: 	Date: <b>1/31/2023</b>
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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.

**111382-CN**

ID	Weight %	Concentration (mg/g)			
<b>Δ9-THC</b>	<b>0.0199</b>	<b>0.199</b>			
THCV	ND	ND			
CBD	0.198	1.98			
CBDV	ND	ND			
CBG	ND	ND			
CBC	0.0161	0.161			
CBN	ND	ND			
THCA	0.385	3.85			
CBDA	13.0	130			
CBGA	0.413	4.13			
CBDVA	0.0522	0.522			
<b>Δ8-THC</b>	<b>ND</b>	<b>ND</b>			
<b>exo-THC</b>	<b>ND</b>	<b>ND</b>			
<b>Total</b>	<b>14.1</b>	<b>141</b>	0%	<b>Cannabinoids (wt%)</b>	<b>13.0%</b>
Max THC	0.358	3.58		Limit of Quantitation (LOQ) = 0.0064 wt%	
Max CBD	11.6	116		Limit of Detection (LOD) = 0.0021 wt%	

**Ratio of Total CBD to THC 32.4:1**

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: 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.

**111382-TP**

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.0144	144	
camphene	79-92-5	ND	ND	
sabinene	3387-41-5	ND	ND	
beta-pinene	127-91-3	0.0251	251	
beta-myrcene	123-35-3	0.109	1,090	
alpha-phellandrene	99-83-2	0.0113	113	
delta-3-carene	13466-78-9	0.0075	74.5	
alpha-terpinene	99-86-5	0.0095	95.2	
p-cymene	99-87-6	ND	ND	
D-limonene	5989-27-5	0.0565	565	
eucalyptol	470-82-6	ND	ND	
alpha-ocimene	502-99-8	ND	ND	
beta-ocimene	13877-91-3	0.0102	102	
gamma-terpinene	99-85-4	ND	ND	
terpinolene	586-62-9	0.181	1,810	
L-fenchone	7787-20-4	ND	ND	
linalool	78-70-6	0.0255	255	
isopulegol	89-79-2	ND	ND	
menthol	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.251	2,510	
alpha-humulene	6753-98-6	0.152	1,520	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	0.0081	80.8	
caryophyllene oxide	1139-30-6	ND	ND	
guaial	489-86-1	0.0571	571	
alpha-bisabolol	23089-26-1	0.0563	563	

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**