



Certificate ID: **109247**

Received: **9/14/22**

Scan QR Code for authenticity

CANNAFLOWER

Client Sample ID: **Nova**

40 University Way, Unit 40

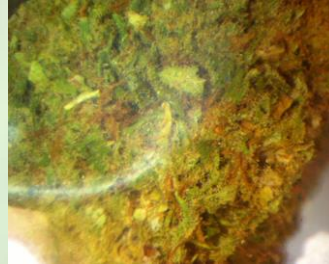
Lot Number: **NO09**

Brattleboro, VT 05301

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



Authorization: Andrew Aubin, Lab Director	Signature: 	Date: 9/20/2022
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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: **PK**

Test Date: **9/19/2022**

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.

109247-CN

ID	Weight %	Concentration (mg/g)		
Δ9-THC	0.189	1.89		
THCV	ND	ND		
CBD	1.66	16.6		
CBDV	ND	ND		
CBG	0.0124	0.124		
CBC	0.104	1.04		
CBN	<LOQ	<LOQ		
THCA	0.417	4.17		
CBDA	17.4	174		
CBGA	0.584	5.84		
CBDVA	0.0632	0.632		
Δ8-THC	ND	ND		
exo-THC	ND	ND		
Total	20.4	204	0%	Cannabinoids (wt%) 17.4%
Max THC	0.555	5.55		Limit of Quantitation (LOQ) = 0.0066 wt%
Max CBD	16.9	169		Limit of Detection (LOD) = 0.0022 wt%

Ratio of Total CBD to THC 30.5:1

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: $MAX\ THC = (0.877 \times THCA) + THC$. 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: 9/19/2022

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.

109247-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.0390	390	
camphene	79-92-5	ND	ND	
sabinene	3387-41-5	ND	ND	
beta-pinene	127-91-3	0.0125	125	
beta-myrcene	123-35-3	0.208	2,090	
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	0.0328	328	
eucalyptol	470-82-6	ND	ND	
alpha-ocimene	502-99-8	ND	ND	
beta-ocimene	13877-91-3	0.0099	98.7	
gamma-terpinene	99-85-4	ND	ND	
L-fenchone	7787-20-4	ND	ND	
terpinolene	586-62-9	ND	ND	
linalool	78-70-6	0.0433	433	
isopulegol	89-79-2	ND	ND	
menthol	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.113	1,130	
alpha-humulene	6753-98-6	0.0728	728	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	0.0216	216	
caryophyllene oxide	1139-30-6	0.0131	131	
guaial	489-86-1	0.0911	911	
alpha-bisabolol	23089-26-1	0.0599	599	

Total Terpene: 0.7 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