



Certificate ID: **119865**

Received: **11/16/23**

Scan QR Code for authenticity

**CANNAFLOWER**

Client Sample ID: **Elektra**

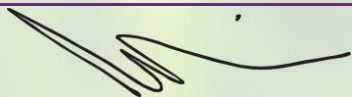
**40 University Way, Unit 40**

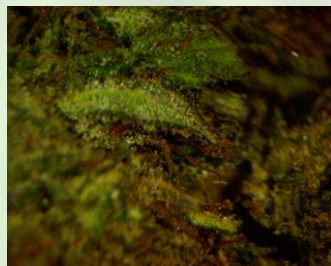
Lot Number: **0123**

**Brattleboro, VT 05301**

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



Authorization: Andrew Aubin, Lab Director	Signature: 	Date: 11/21/2023
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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: *11/17/2023*

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.

**119865-CN**

ID	Weight %	Concentration (mg/g)			
<b>Δ9-THC</b>	<b>0.114</b>	<b>1.14</b>			
<b>THCV</b>	<b>ND</b>	<b>ND</b>			
<b>CBD</b>	<b>1.03</b>	<b>10.3</b>			
<b>CBDV</b>	<b>ND</b>	<b>ND</b>			
<b>CBG</b>	<b>0.0494</b>	<b>0.494</b>			
<b>CBC</b>	<b>0.0806</b>	<b>0.806</b>			
<b>CBN</b>	<b>ND</b>	<b>ND</b>			
<b>THCA</b>	<b>0.525</b>	<b>5.25</b>			
<b>CBDA</b>	<b>17.1</b>	<b>171</b>			
<b>CBGA</b>	<b>0.492</b>	<b>4.92</b>			
<b>CBDVA</b>	<b>0.0703</b>	<b>0.703</b>			
<b>Δ8-THC</b>	<b>ND</b>	<b>ND</b>			
<b>exo-THC</b>	<b>ND</b>	<b>ND</b>			
<b>Total</b>	<b>19.5</b>	<b>195</b>	<b>0%</b>	<b>Cannabinoids (wt%)</b>	<b>17.1%</b>
<b>Total THC</b>	<b>0.574</b>	<b>5.74</b>		Limit of Quantitation (LOQ) = 0.00664 wt%	
<b>Total CBD</b>	<b>16.0</b>	<b>160</b>		Limit of Detection (LOD) = 0.00221 wt%	

**Ratio of Total CBD to THC 27.9:1**

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: ZDV

Test Date: 11/17/2023

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.

**119865-TP**

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile	
alpha-pinene	80-56-8	0.249	2,490		
camphene	79-92-5	ND	ND		
sabinene	3387-41-5	ND	ND		
beta-pinene	127-91-3	0.116	1,160		
beta-myrcene	123-35-3	0.981	9,810		
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	0.0695	695		
eucalyptol	470-82-6	ND	ND		
beta-ocimene	13877-91-3	0.0721	721		
gamma-terpinene	99-85-4	ND	ND		
L-fenchone	7787-20-4	ND	ND		
terpinolene	586-62-9	0.0170	170		
alpha-ocimene	502-99-8	ND	ND		
linalool	78-70-6	0.0547	547		
isopulegol	89-79-2	0.0111	111		
menthol	89-78-1	ND	ND		
geraniol	106-24-1	ND	ND		
beta-caryophyllene	87-44-5	0.269	2,690		
alpha-humulene	6753-98-6	0.163	1,630		
cis-nerolidol	3790-78-1	ND	ND		
trans-nerolidol	40716-66-3	0.0505	505		
caryophyllene oxide	1139-30-6	0.0193	193		
guaial	489-86-1	0.132	1,320		
alpha-bisabolol	23089-26-1	0.163	1,630		

Total Terpene: 2.4 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**