


Certificate ID: **119856**
 Client Sample ID: **Bubba Kush**
 Lot Number: **0123**
 Matrix: **Flowers/Bud-Dry Flower**

Received: **11/16/23**

Scan QR Code for authenticity



CANNAFLOWER
40 University Way, Unit 40
Brattleboro, VT 05301

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.

119856-CN

ID	Weight %	Concentration (mg/g)		
Δ9-THC	0.0491	0.491		
THCV	ND	ND		
CBD	0.411	4.11		
CBDV	ND	ND		
CBG	0.0528	0.528		
CBC	0.0554	0.554		
CBN	ND	ND		
THCA	0.463	4.63		
CBDA	14.2	142		
CBGA	0.332	3.32		
CBDVA	0.0325	0.325		
Δ8-THC	ND	ND		
exo-THC	ND	ND		
Total	15.6	156	0%	Cannabinoids (wt%) 14.2%
Total THC	0.455	4.55		Limit of Quantitation (LOQ) = 0.00672 wt%
Total CBD	12.9	129		Limit of Detection (LOD) = 0.00224 wt%

Ratio of Total CBD to THC 28.3:1

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.

119856-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.0161	161	
camphene	79-92-5	ND	ND	
sabinene	3387-41-5	ND	ND	
beta-pinene	127-91-3	0.0289	289	
beta-myrcene	123-35-3	0.194	1,940	
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	0.107	1,070	
eucalyptol	470-82-6	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	0.00759	75.9	
alpha-ocimene	502-99-8	ND	ND	
linalool	78-70-6	0.0778	778	
isopulegol	89-79-2	ND	ND	
menthol	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.782	7,820	
alpha-humulene	6753-98-6	0.328	3,280	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	ND	ND	
caryophyllene oxide	1139-30-6	0.0346	346	
guaiol	489-86-1	ND	ND	
alpha-bisabolol	23089-26-1	0.183	1,830	

Total Terpene: 1.8 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