

Certificate ID: **119857**

Received: **11/16/23**

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CANNAFLOWER

Client Sample ID: **Og Kush**


40 University Way, Unit 40

Lot Number: **0123**

Brattleboro, VT 05301

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



Authorization: Andrew Aubin, Lab Director	Signature: 	Date: 12/14/2023
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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: *12/13/2023*

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.

119857-CN

ID	Weight %	Concentration (mg/g)			
Δ9-THC	0.101	1.01			
THCV	ND	ND			
CBD	0.718	7.18			
CBDV	ND	ND			
CBG	0.0607	0.607			
CBC	0.0679	0.679			
CBN	ND	ND			
THCA	0.520	5.20			
CBDA	15.9	159			
CBGA	0.398	3.98			
CBDVA	0.584	5.84			
Δ8-THC	ND	ND			
exo-THC	ND	ND			
Total	18.3	183	0%	Cannabinoids (wt%)	15.9%
Total THC	0.557	5.57		Limit of Quantitation (LOQ) = 0.00650 wt%	
Total CBD	14.7	147		Limit of Detection (LOD) = 0.00217 wt%	

Ratio of Total CBD to THC 26.3:1

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: 12/12/2023

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.

119857-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.101	1,010	
camphene	79-92-5	ND	ND	
sabinene	3387-41-5	0.0130	130	
beta-pinene	127-91-3	0.0750	750	
beta-myrcene	123-35-3	0.309	3,090	
alpha-phellandrene	99-83-2	0.0344	344	
delta-3-carene	13466-78-9	0.0226	226	
alpha-terpinene	99-86-5	0.0224	224	
p-cymene	99-87-6	ND	ND	
D-limonene	5989-27-5	0.120	1,200	
eucalyptol	470-82-6	ND	ND	
alpha-ocimene	502-99-8	ND	ND	
beta-ocimene	13877-91-3	0.179	1,790	
gamma-terpinene	99-85-4	0.0200	200	
L-fenchone	7787-20-4	ND	ND	
terpinolene	586-62-9	0.561	5,610	
linalool	78-70-6	0.0324	324	
isopulegol	89-79-2	0.0102	102	
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	0.127	1,270	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	0.0150	150	
caryophyllene oxide	1139-30-6	0.0182	182	
guaiol	489-86-1	ND	ND	
alpha-bisabolol	23089-26-1	0.0452	452	

Total Terpene: 2.0 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