

Certificate ID: **111386**
 Client Sample ID: **White Cbg**
 Lot Number:

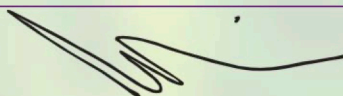
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CANNAFLOWER
40 University Way, Unit 40
Brattleboro, VT 05301

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

Authorization:	Signature:	Date:
Andrew Aubin, Lab Director		1/31/2023



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.

111386-CN

ID	Weight %	Concentration (mg/g)		
Δ9-THC	0.0674	0.674		
THCV	ND	ND		
CBD	ND	ND		
CBDV	0.0339	0.339		
CBG	0.911	9.11		
CBC	0.116	1.16		
CBN	ND	ND		
THCA	0.165	1.65		
CBDA	0.0276	0.276		
CBGA	17.0	170		
CBDVA	ND	ND		
Δ8-THC	ND	ND		
exo-THC	ND	ND		
Total	18.3	183	0%	Cannabinoids (wt%) 17.0%
Max THC	0.212	2.12		Limit of Quantitation (LOQ) = 0.0064 wt%
Max CBD	0.0242	0.242		Limit of Detection (LOD) = 0.0021 wt%

Ratio of Total CBD to THC 0.1:1

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: $\text{MAX THC} = (0.877 \times \text{THCA}) + \text{THC}$. 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.

111386-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile	
alpha-pinene	80-56-8	ND	ND		
camphene	79-92-5	ND	ND		
sabinene	3387-41-5	ND	ND		
beta-pinene	127-91-3	ND	ND		
beta-myrcene	123-35-3	0.0340	340		
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	0.0200	201		
eucalyptol	470-82-6	ND	ND		
alpha-ocimene	502-99-8	ND	ND		
beta-ocimene	13877-91-3	ND	ND		
gamma-terpinene	99-85-4	ND	ND		
terpinolene	586-62-9	ND	ND		
L-fenchone	7787-20-4	ND	ND		
linalool	78-70-6	0.0181	181		
isopulegol	89-79-2	ND	ND		
menthol	89-78-1	ND	ND		
geraniol	106-24-1	ND	ND		
beta-caryophyllene	87-44-5	0.180	1,800		
alpha-humulene	6753-98-6	0.0714	714		
cis-nerolidol	3790-78-1	ND	ND		
trans-nerolidol	40716-66-3	0.0231	231		
caryophyllene oxide	1139-30-6	ND	ND		
guaial	489-86-1	0.105	1,050		
alpha-bisabolol	23089-26-1	0.169	1,690		
				wt%	
				0.00	
				0.10	
				0.20	

Total Terpene: 0.6 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