PROVERDE LABORATORIES

Certificate of Analysis

Certificate ID: **111368**
Client Sample ID: **Abacus**
Lot Number:
Matrix: **Flowers/Bud-Dry Flower**

Received: **12/2/22**

Scan QR Code for authenticity

CANNAFLOWER
40 University Way, Unit 40
Brattleboro , VT 05301

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

PJLA Testing
Accreditation
80585

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.

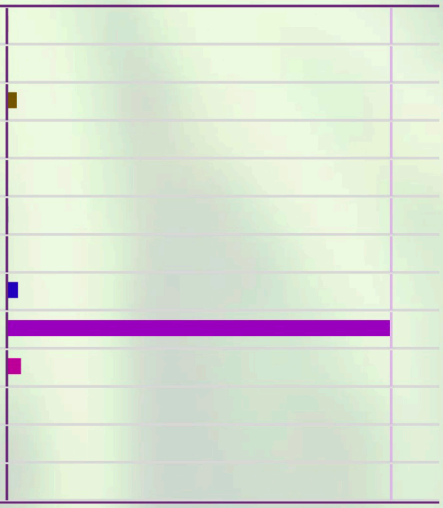
CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]

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.

111368-CN

ID	Weight %	Concentration (mg/g)
Δ9-THC	0.0492	0.492
THCV	ND	ND
CBD	0.410	4.10
CBDV	ND	ND
CBG	ND	ND
CBC	0.0541	0.541
CBN	ND	ND
THCA	0.458	4.58
CBDA	15.9	159
CBGA	0.584	5.84
CBDVA	0.0405	0.405
Δ8-THC	ND	ND
exo-THC	ND	ND
Total	17.5	175
Max THC	0.451	4.51
Max CBD	14.4	144



Limit of Quantitation (LOQ) = 0.0067 wt%
Limit of Detection (LOD) = 0.0022 wt%

Ratio of Total CBD to THC 31.8:1

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 x 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]

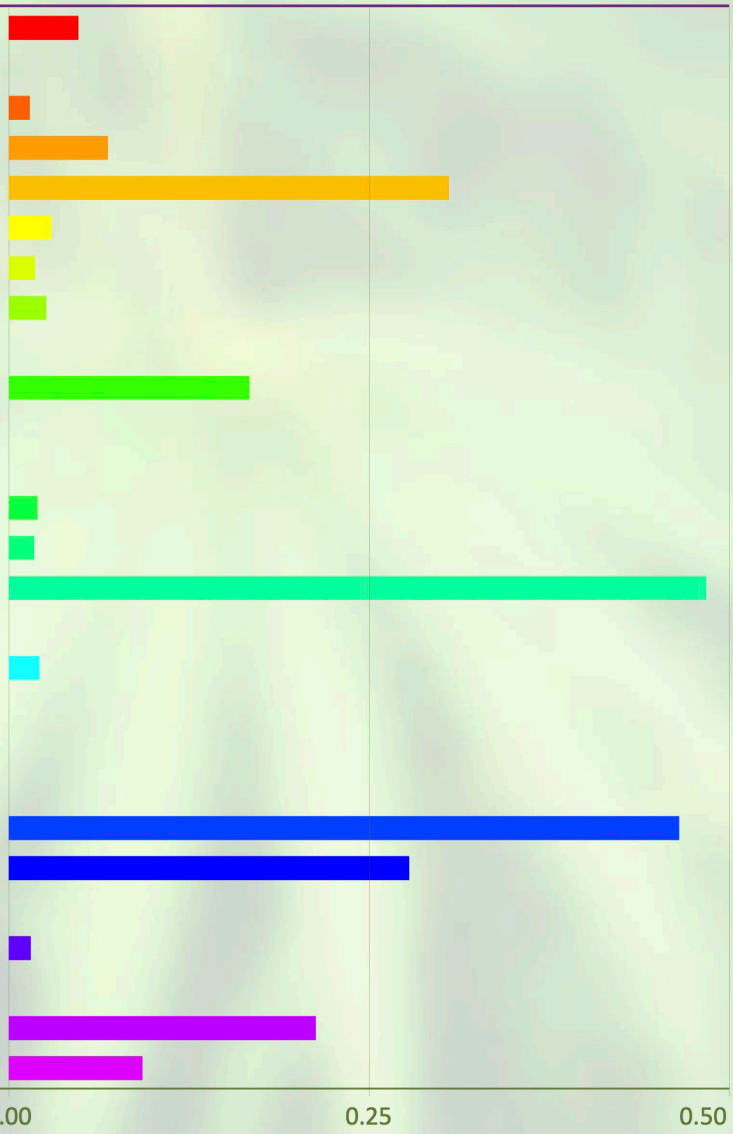
Analyst: CS *Test Date: 1/26/2023*

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.

111368-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)
alpha-pinene	80-56-8	0.0484	484
camphene	79-92-5	ND	ND
sabinene	3387-41-5	0.0147	147
beta-pinene	127-91-3	0.0690	690
beta-myrcene	123-35-3	0.305	3,050
alpha-phellandrene	99-83-2	0.0299	299
delta-3-carene	13466-78-9	0.0185	185
alpha-terpinene	99-86-5	0.0262	262
p-cymene	99-87-6	ND	ND
D-limonene	5989-27-5	0.167	1,670
eucalyptol	470-82-6	ND	ND
alpha-ocimene	502-99-8	ND	ND
beta-ocimene	13877-91-3	0.0202	202
gamma-terpinene	99-85-4	0.0178	178
terpinolene	586-62-9	0.484	4,840
L-fenchone	7787-20-4	ND	ND
linalool	78-70-6	0.0216	216
isopulegol	89-79-2	ND	ND
menthol	89-78-1	ND	ND
geraniol	106-24-1	ND	ND
beta-caryophyllene	87-44-5	0.465	4,650
alpha-humulene	6753-98-6	0.278	2,780
cis-nerolidol	3790-78-1	ND	ND
trans-nerolidol	40716-66-3	0.0154	154
caryophyllene oxide	1139-30-6	ND	ND
guaiol	489-86-1	0.213	2,130
alpha-bisabolol	23089-26-1	0.0929	929

Qualitative Profile



Total Terpene: 2.3 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