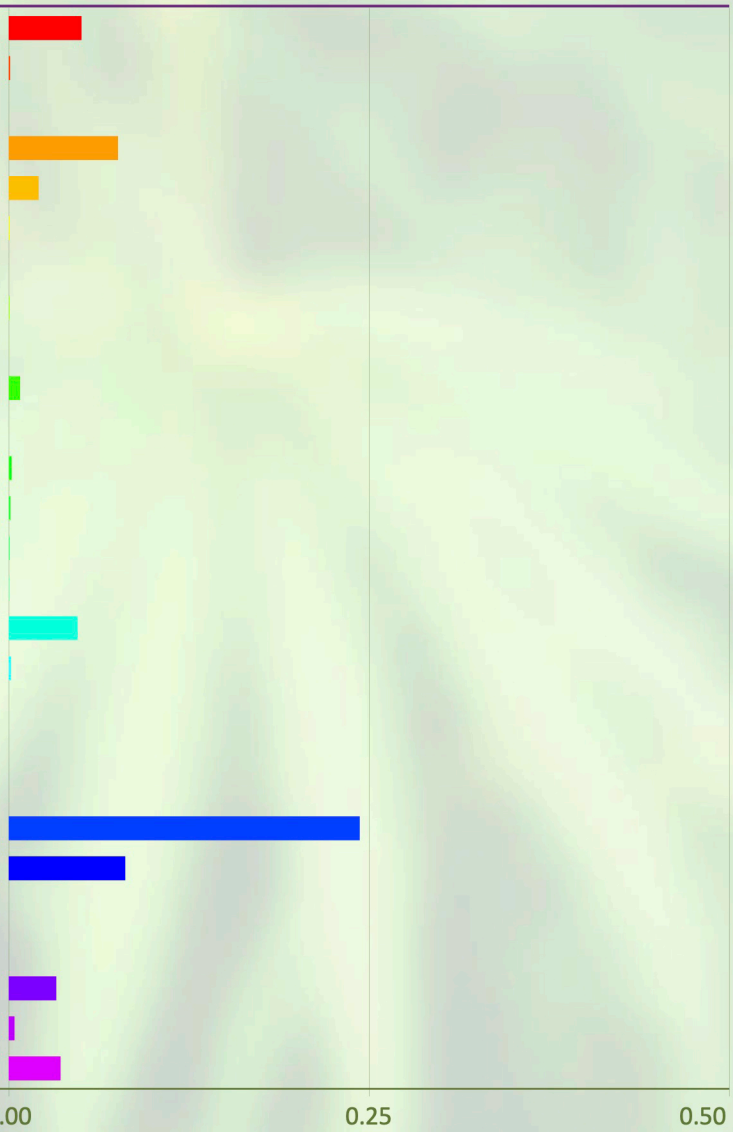
TP: Terpenes Profile [WI-10-27] *Analyst: AEG* *Test Date: 10/17/2020*

Client sample analysis was performed using full evaporative technique (FET) headspace sample delivery and gas chromatographic (GC) compound separation. A combination of flame ionization detection (FID) and/or mass spectrometric (MS) detection with mass spectral confirmation against the National Institute of Standards and Technology (NIST) Mass Spectral Database, Revision 2017 were used. Chromatographic and/or mass spectral data were processed by quantitatively comparing the analytical peak areas against calibration curves prepared from certified reference standards.

87911-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)
alpha-pinene	80-56-8	0.0506	506
camphene	79-92-5	0.0010	10.4
sabinene*	3387-41-5	ND	ND
beta-myrcene	123-35-3	0.0759	759
beta-pinene	127-91-3	0.0208	208
alpha-phellandrene	99-83-2	0.0008	7.86
delta-3-carene	13466-78-9	ND	ND
alpha-terpinene	99-86-5	0.0007	6.82
alpha-ocimene	502-99-8	<RL	<RL
D-limonene	138-86-3	0.0080	79.8
p-cymene	99-87-6	ND	ND
cis-beta-ocimene	3338-55-4	0.0023	22.6
eucalyptol	470-82-6	0.0014	13.6
gamma-terpinene	99-85-4	0.0007	7.38
terpinolene	586-62-9	<RL	<RL
linalool	78-70-6	0.0479	479
L-fenchone*	7787-20-4	0.0016	16.3
isopulegol	89-79-2	ND	ND
menthol*	89-78-1	ND	ND
geraniol	106-24-1	ND	ND
beta-caryophyllene	87-44-5	0.244	2,440
alpha-humulene	6753-98-6	0.0809	809
cis-nerolidol	3790-78-1	ND	ND
trans-nerolidol	40716-66-3	ND	ND
guaiol	489-86-1	0.0330	330
caryophyllene oxide	1139-30-6	0.0041	41.1
alpha-bisabolol	23089-26-1	0.0360	360



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

PROVERDE LABORATORIES

Test Certificate

Certificate ID: **87911**
Client Sample ID: **Berry Cobbler**
Lot Number: **102020**
Matrix: **Flowers/Bud - Dry Flower**

Received: **10/13/20**

Scan QR Code for authenticity

CANNAFLOWER
40 University Way, Unit 40
Brattleboro , VT 05301

Authorization:	Signature:	Date:
Chris Hudalla, Chief Science Officer	Christopher Hudalla	10/28/2020

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.

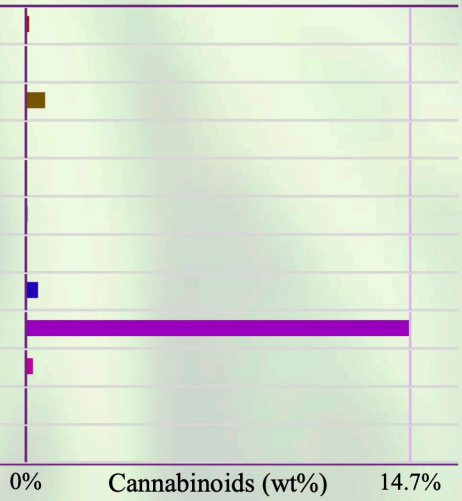
CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]

Analyst: JFD *Test Date: 10/19/2020*

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.

87911-CN

ID	Weight %	Concentration (mg/g)
D9-THC	0.120	1.20
THCV	ND	ND
CBD	0.735	7.35
CBDV	ND	ND
CBG	0.0355	0.355
CBC	0.0687	0.687
CBN	ND	ND
THCA	0.463	4.63
CBDA	14.7	147
CBGA	0.272	2.72
D8-THC	ND	ND
exo-THC	ND	ND
Total	16.4	164
Max THC	0.526	5.26
Max CBD	13.6	136



Ratio of Total CBD to THC 25.9:1

Limit of Quantitation (LOQ) = 0.0066 wt%

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 LOQ.