PROVERDE LABORATORIES

Test Certificate

Certificate ID: **91076**
Client Sample ID: **Cherry Wine**
Lot Number: **122020**
Matrix: **Flowers/Bud - Dry Flower**

Received: **12/24/20**

Scan QR Code for authenticity

CANNAFLOWER
40 University Way, Unit 40
Brattleboro , VT 05301
Attn: Perrin

Authorization:	Signature:	Date:
Chris Hudalla, Chief Science Officer	Christopher Hudalla	1/7/2021

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.

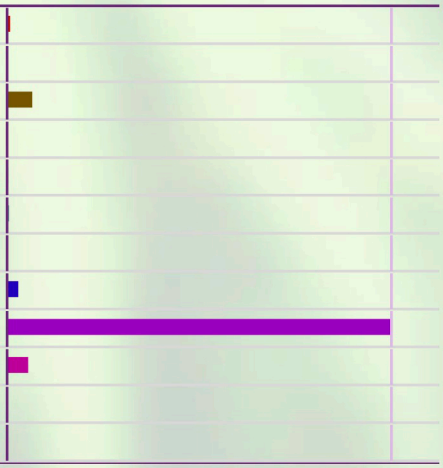
CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]

Analyst: JFD *Test Date: 1/1/2021*

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.

91076-CN

ID	Weight %	Concentration (mg/g)
D9-THC	0.0882	0.882
THCV	ND	ND
CBD	0.724	7.24
CBDV	ND	ND
CBG	0.0293	0.293
CBC	0.0534	0.534
CBN	ND	ND
THCA	0.324	3.24
CBDA	11.1	111
CBGA	0.606	6.06
D8-THC	ND	ND
exo-THC	ND	ND
Total	12.9	129
Max THC	0.372	3.72
Max CBD	10.4	104



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

Ratio of Total CBD to THC 28.0:1

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 LOQ.

TP: Terpenes Profile [WI-10-27]

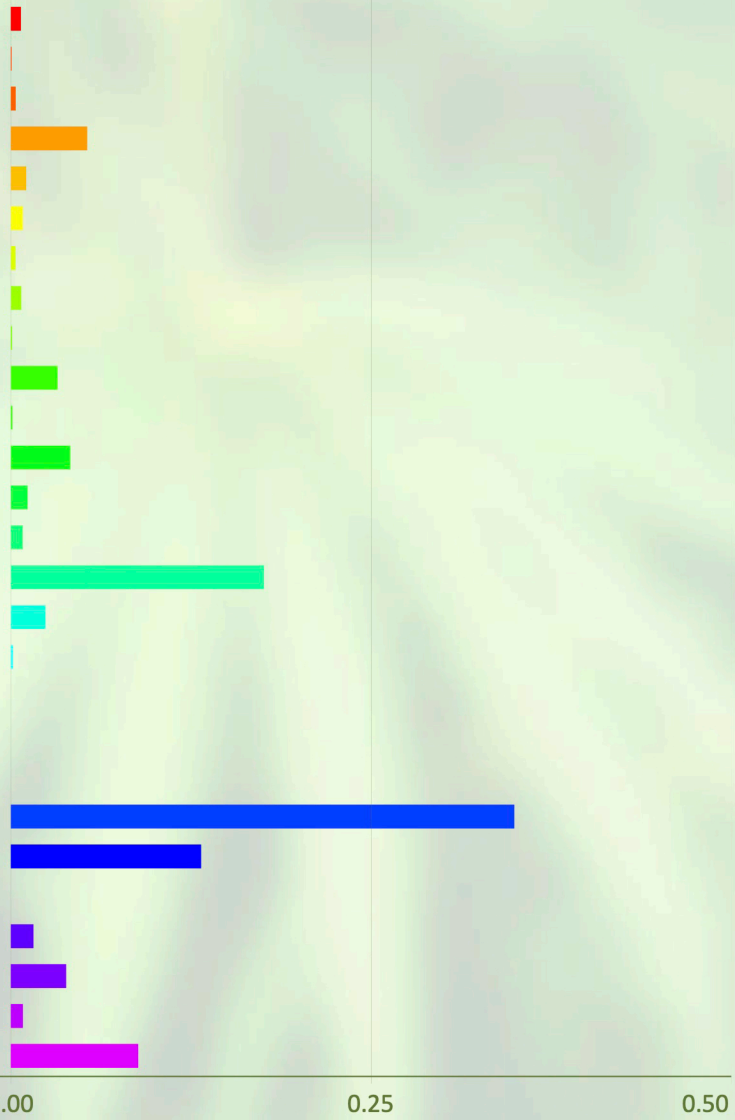
Analyst: AEG *Test Date: 12/29/2020*

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.

91076-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)
alpha-pinene	80-56-8	0.0071	70.6
camphene	79-92-5	0.0005	5.48
sabinene*	3387-41-5	0.0035	34.5
beta-myrcene	123-35-3	0.0531	531
beta-pinene	127-91-3	0.0107	107
alpha-phellandrene	99-83-2	0.0085	84.5
delta-3-carene	13466-78-9	0.0034	33.6
alpha-terpinene	99-86-5	0.0074	73.6
alpha-ocimene	502-99-8	0.0009	9.23
D-limonene	138-86-3	0.0325	325
p-cymene	99-87-6	0.0012	11.6
cis-beta-ocimene	3338-55-4	0.0414	414
eucalyptol	470-82-6	0.0118	118
gamma-terpinene	99-85-4	0.0084	83.7
terpinolene	586-62-9	0.176	1,760
linalool	78-70-6	0.0242	242
L-fenchone*	7787-20-4	0.0015	15.4
isopulegol	89-79-2	ND	ND
menthol*	89-78-1	ND	ND
geraniol	106-24-1	ND	ND
beta-caryophyllene	87-44-5	0.349	3,490
alpha-humulene	6753-98-6	0.132	1,320
cis-nerolidol	3790-78-1	ND	ND
trans-nerolidol	40716-66-3	0.0157	157
guaiol	489-86-1	0.0384	384
caryophyllene oxide	1139-30-6	0.0084	84.4
alpha-bisabolol	23089-26-1	0.0884	884

Qualitative Profile



Total Terpene: 1.0 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