PROVERDE LABORATORIES

Test Certificate

Certificate ID: **89519**
Client Sample ID: **CF011**
Lot Number:
Matrix: **Flowers/Bud - Dry Flower**

Received: **11/3/20**

Scan QR Code for authenticity

CANNAFLOWER
40 University Way, Unit 40
Brattleboro , VT 05301

Authorization:	Signature:	Date:
Chris Hudalla, Chief Science Officer	Christopher Hudalla	12/14/2020

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.

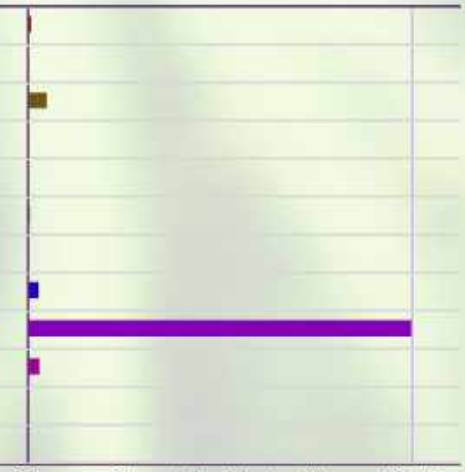
CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]

Analyst: JFD *Test Date: 12/5/2020*

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.

89519-CN

ID	Weight %	Concentration (mg/g)
D9-THC	0.144	1.44
THCV	ND	ND
CBD	0.954	9.54
CBDV	ND	ND
CBG	0.0411	0.411
CBC	0.0974	0.974
CBN	ND	ND
THCA	0.524	5.24
CBDA	19.7	197
CBGA	0.574	5.74
D8-THC	ND	ND
exo-THC	ND	ND
Total	22.0	220
Max THC	0.603	6.03
Max CBD	18.2	182



Limit of Quantitation (LOQ) = 0.0068 wt%
Limit of Detection (LOD) = 0.0023 wt%

Ratio of Total CBD to THC 30.2:1

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.

PROVERDE LABORATORIES

Test Certificate

Certificate ID: **97531**
Client Sample ID: **C1**
Lot Number: **09**
Matrix: **Flowers/Bud - Dry Flower**

Received: **9/14/21**

Scan QR Code for authenticity

CANNAFLOWER
40 University Way, Unit 40
Brattleboro , VT 05301

Authorization:	Signature:	Date:
Chris Hudalla, Chief Science Officer	Christopher Hudalla	9/18/2021

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.

MB1: Microbiological Contaminants [WI-10-09]

Analyst: MM *Test Date: 9/15/2021*

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

97531-MB1

Symbol	Analysis	Results	Units	Limits*	Status
AC	Total Aerobic Bacterial Count	=1,400	CFU/g	100,000 CFU/g	PASS
CC	Total Coliform Bacterial Count	<100	CFU/g	1,000 CFU/g	PASS
EB	Total Bile Tolerant Gram Negative Count	<100	CFU/g	1,000 CFU/g	PASS
YM	Total Yeast & Mold	<100	CFU/g	10,000 CFU/g	PASS

Recommended limits established by the American Herbal Pharmacopoeia (AHP) monograph for Cannabis Inflorescence [2013], for consumable botanical products, including processed and unprocessed cannabis materials, and solvent-based extracts. Note: All recorded Microbiological tests are within the established limits.

END OF REPORT

PST: Pesticide Analysis [WI-10-11]

Analyst: CJR *Test Date: 12/13/2020*

The client sample was anlayzed for pesticides using Liquid Chromatography with Mass Spectrometric detection (LC/MS/MS). The method used for sample prep was based on the European method for pesticide analysis (EN 15662).

89519-PST

Analyte	CAS	Result	Units	LLD	Limits (ppb)	Status
Abamectin	71751-41-2	ND	ppb	0.20	10	PASS
Spinosad	168316-95-8	ND	ppb	0.10	10	PASS
Pyrethrin	8003-34-7	ND	ppb	0.10	10	PASS
Trifloxystrobin	141517-21-7	ND	ppb	0.10	100	PASS
Spirotetramat	203313-25-1	ND	ppb	0.10	100	PASS
Spiromesifen	283594-90-1	ND	ppb	0.10	100	PASS
Piperonyl butoxide	51-03-6	ND	ppb	0.10	3000	PASS
Paclobutrazol	76738-62-0	ND	ppb	0.10	10	PASS
Myclobutanil	88671-89-0	ND	ppb	0.10	100	PASS
Imidacloprid	138261-41-3	ND	ppb	0.10	5000	PASS
Imazalil	35554-44-0	ND	ppb	0.10	10	PASS
Fenoxycarb	72490-01-8	ND	ppb	0.10	10	PASS
Etoxazole	153233-91-1	ND	ppb	0.10	100	PASS
Dichlorvos	62-73-7	ND	ppb	3.00	10	PASS
Cyfluthrin	68359-37-5	ND	ppb	0.50	2000	PASS
Bifenthrin	82657-04-3	ND	ppb	0.20	3000	PASS
Bifenazate	149877-41-8	ND	ppb	0.10	100	PASS
Azoxystrobin	131860-33-8	ND	ppb	0.10	100	PASS

* Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 5. ND indicates "none detected" above the lower limit of detection (LLD). Analytes marked with (*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample due to matrix interference.

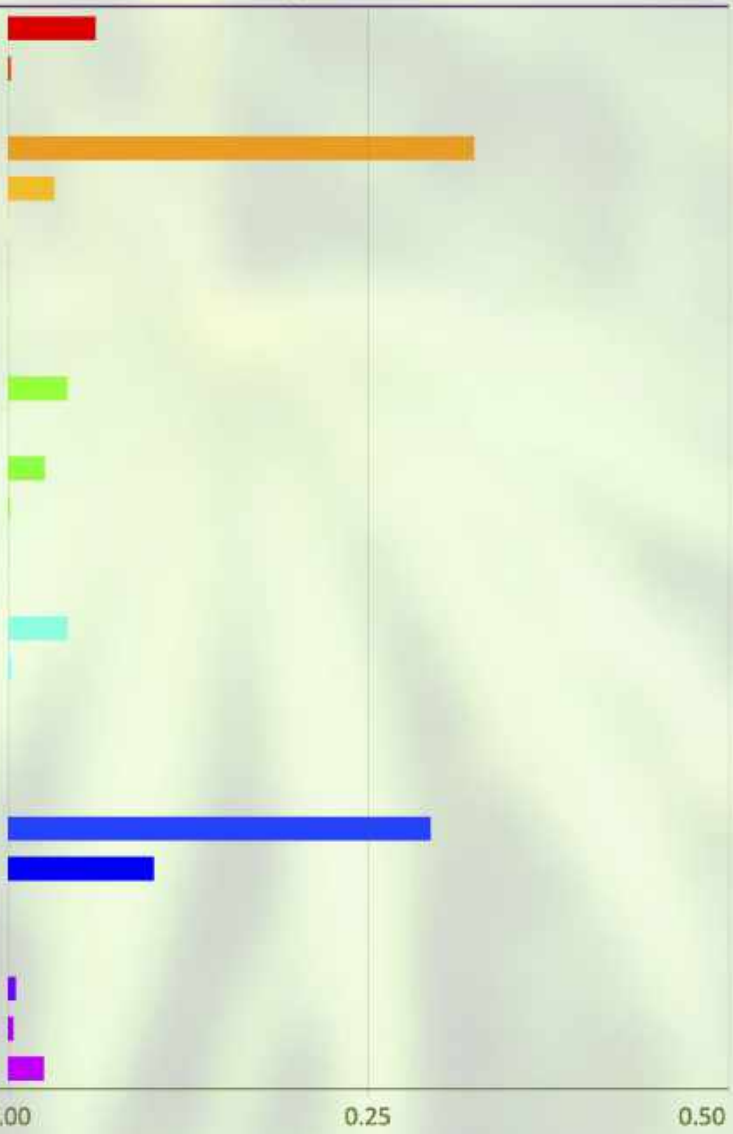
TP: Terpenes Profile [WI-10-27] *Analyst: AEG* *Test Date: 11/23/2020*

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.

89519-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)
alpha-pinene	80-56-8	0.0607	607
camphene	79-92-5	0.0019	19.3
sabinene*	3387-41-5	ND	ND
beta-myrcene	123-35-3	0.324	3,240
beta-pinene	127-91-3	0.0324	324
alpha-phellandrene	99-83-2	0.0006	5.81
delta-3-carene	13466-78-9	ND	ND
alpha-terpinene	99-86-5	<RL	<RL
alpha-ocimene	502-99-8	0.0006	6.15
D-limonene	138-86-3	0.0414	414
p-cymene	99-87-6	ND	ND
cis-beta-ocimene	3338-55-4	0.0257	257
eucalyptol	470-82-6	0.0016	16.2
gamma-terpinene	99-85-4	0.0006	6.38
terpinolene	586-62-9	0.0006	6.43
linalool	78-70-6	0.0416	416
L-fenchone*	7787-20-4	0.0027	26.7
isopulegol	89-79-2	ND	ND
menthol*	89-78-1	ND	ND
geraniol	106-24-1	ND	ND
beta-caryophyllene	87-44-5	0.293	2,930
alpha-humulene	6753-98-6	0.101	1,010
cis-nerolidol	3790-78-1	ND	ND
trans-nerolidol	40716-66-3	ND	ND
guaiol	489-86-1	0.0057	56.9
caryophyllene oxide	1139-30-6	0.0038	38.2
alpha-bisabolol	23089-26-1	0.0249	249

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