PROVERDE LABORATORIES

Test Certificate

Certificate ID: **99841**
Client Sample ID: **Jumble Cookie**
Lot Number: **2021**
Matrix: **Flowers/Bud - Dry Flower**

Received: **11/29/21**

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	12/4/2021

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.

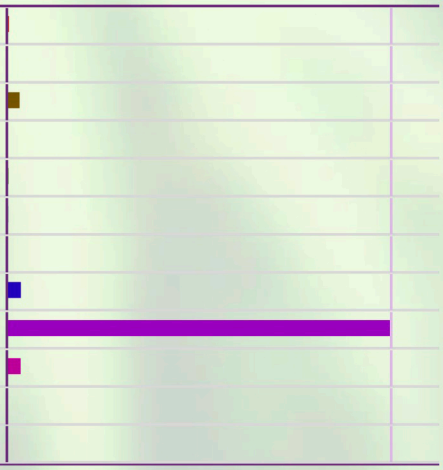
CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]

Analyst: PK *Test Date: 12/2/2021*

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.

99841-CN

ID	Weight %	Concentration (mg/g)
D9-THC	0.0853	0.853
THCV	ND	ND
CBD	0.525	5.25
CBDV	ND	ND
CBG	0.0657	0.657
CBC	0.0561	0.561
CBN	ND	ND
THCA	0.581	5.81
CBDA	16.0	160
CBGA	0.572	5.72
D8-THC	ND	ND
exo-THC	ND	ND
Total	17.9	179
Max THC	0.595	5.95
Max CBD	14.5	145



Limit of Quantitation (LOQ) = 0.0065 wt%
Limit of Detection (LOD) = 0.0022 wt%

Ratio of Total CBD to THC 24.5:1

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.

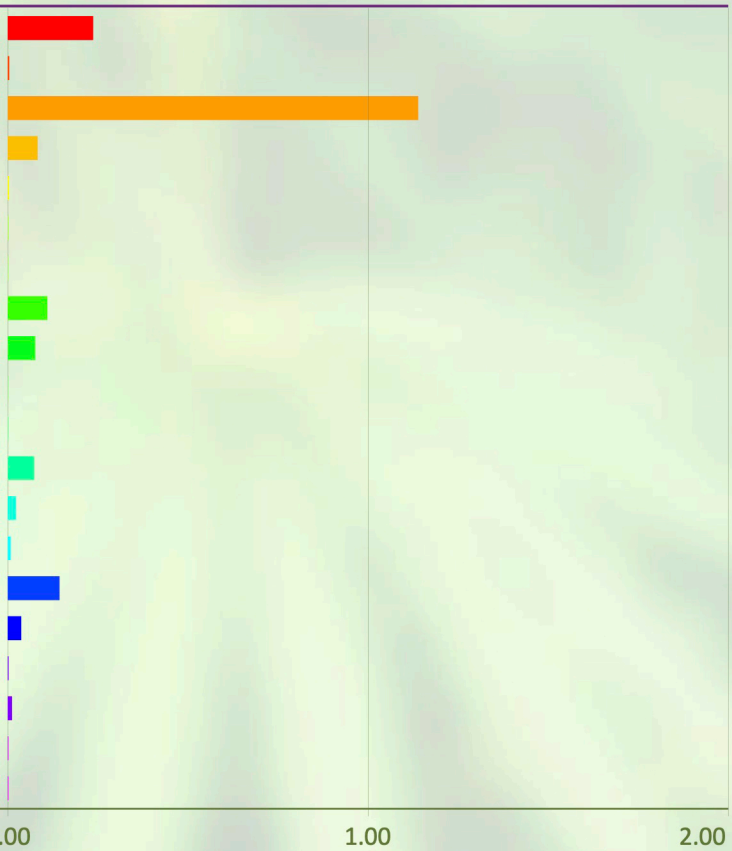
TP: Terpenes Profile [WI-10-27] *Analyst: CJS* *Test Date: 12/1/2021*

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.

99841-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)
alpha-pinene	80-56-8	0.237	2,370
camphene	79-92-5	0.0045	44.5
beta-myrcene	123-35-3	1.14	11,400
beta-pinene	127-91-3	0.0835	835
alpha-phellandrene	99-83-2	0.0040	40.4
alpha-terpinene	99-86-5	0.0023	22.7
alpha-ocimene	502-99-8	0.0016	15.9
D-limonene	138-86-3	0.110	1,100
cis-beta-ocimene	3338-55-4	0.0771	771
eucalyptol	470-82-6	0.0013	12.6
gamma-terpinene	99-85-4	0.0019	19.3
terpinolene	586-62-9	0.0741	741
linalool	78-70-6	0.0238	238
L-fenchone*	7787-20-4	0.0094	93.8
beta-caryophyllene	87-44-5	0.144	1,440
alpha-humulene	6753-98-6	0.0379	379
trans-nerolidol	40716-66-3	0.0025	24.6
guaiol	489-86-1	0.0121	121
caryophyllene oxide	1139-30-6	0.0022	21.9
alpha-bisabolol	23089-26-1	0.0021	20.7

Qualitative Profile



Total Terpene: 2.0 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