PROVERDE LABORATORIES

Test Certificate

Certificate ID: **83225-340 (Reissued)** Received: **6/16/20**

Client Sample ID: **1oz Oil - 500mg - Iso - Beta Cary Limonene Mint**

Lot Number: **HCC04-01**

Matrix: **Tincture/Infused Oil - MCT Oil**

Scan QR Code for authenticity

HOCKING HILLS CBD LLC

Authorization:	Signature:	Date:
Chris Hudalla, Chief Science Officer	Christopher Hudalla	7/9/2020

PJLA Testing
Accreditation
80585

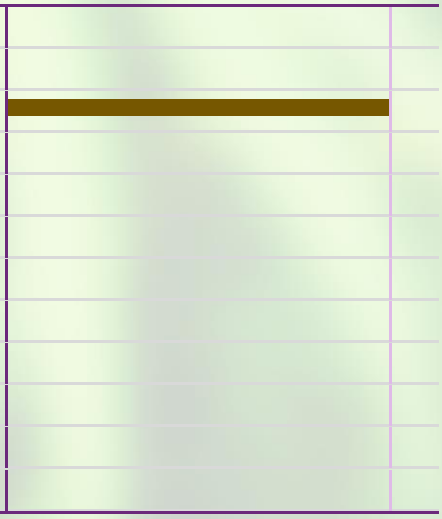
The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the 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: 6/18/2020*

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. Certificate has been re-issued to include results from terpene testing.

83225-CN

ID	Weight %	Concentration (mg/mL)
D9-THC	ND	ND
THCV	ND	ND
CBD	1.83	16.6
CBDV	ND	ND
CBG	ND	ND
CBC	ND	ND
CBN	ND	ND
THCA	ND	ND
CBDA	ND	ND
CBGA	ND	ND
D8-THC	ND	ND
exo-THC	ND	ND
Total	1.83	16.6
Max THC	ND	ND
Max CBD	1.83	16.6



Limit of Quantitation (LOQ) = 0.0116 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.

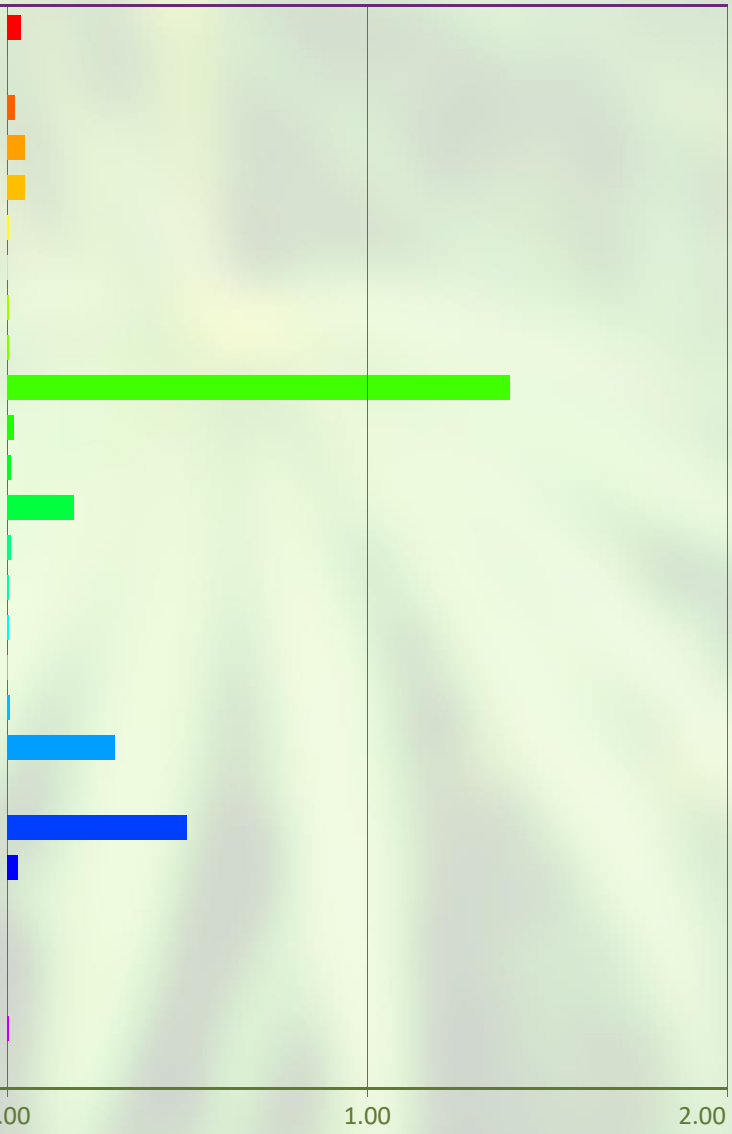
TP: Terpenes Profile [WI-10-27] *Analyst: CA* *Test Date: 7/3/2020*

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.

83225-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)
alpha-pinene	80-56-8	0.0364	364
camphene	79-92-5	0.00	10.9
sabinene*	3387-41-5	0.0202	202
beta-myrcene	123-35-3	0.0477	477
beta-pinene	127-91-3	0.0493	493
alpha-phellandrene	99-83-2	0.00	30.5
delta-3-carene	13466-78-9	<RL	<RL
alpha-terpinene	99-86-5	0.00	53.1
alpha-ocimene	502-99-8	0.00	29.4
D-limonene	138-86-3	1.39	13,900
p-cymene	99-87-6	0.0181	181
cis-beta-ocimene	3338-55-4	0.00	94.6
eucalyptol	470-82-6	0.184	1,840
gamma-terpinene	99-85-4	0.0107	107
terpinolene	586-62-9	0.00	42.4
linalool	78-70-6	0.00	37.3
L-fenchone*	7787-20-4	0.00	6.16
isopulegol	89-79-2	0.00	62.8
menthol*	89-78-1	0.298	2,980
geraniol	106-24-1	ND	ND
beta-caryophyllene	87-44-5	0.499	4,990
alpha-humulene	6753-98-6	0.0294	294
cis-nerolidol	3790-78-1	ND	ND
trans-nerolidol	40716-66-3	<RL	<RL
guaiol	489-86-1	ND	ND
caryophyllene oxide	1139-30-6	0.00	36.8
alpha-bisabolol	23089-26-1	ND	ND

Qualitative Profile



Total Terpene: 2.6 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