PROVERDE LABORATORIES

Test Certificate

Certificate ID: **97344** Received: **9/13/21**

Client Sample ID: **1200mg CBG Oil + 400mg CBD**

Lot Number: **26062201**

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

Scan QR Code for authenticity

Nordic Oil
433 Broadway, Suite 209
New York, NY 10013
Attn: Khulan Gantumur

Authorization:	Signature:	Date:
Chris Hudalla, Chief Science Officer	Christopher Hudalla	9/21/2021

PJLA Testing
Accreditation
80585

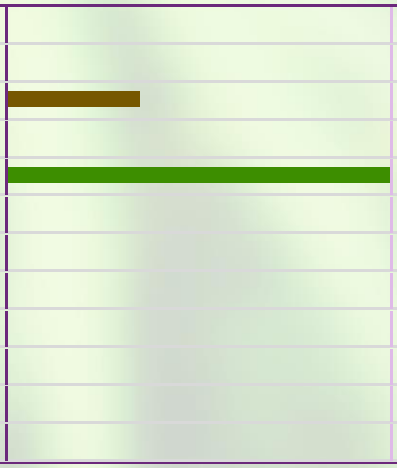
The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the 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: AC* *Test Date: 9/16/2021*

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.

97344-CN

ID	Weight %	Concentration (mg/mL)
D9-THC	ND	ND
THCV	ND	ND
CBD	1.57	14.6
CBDV	0.0118	0.110
CBG	4.53	42.0
CBC	0.0168	0.156
CBN	0.0139	0.129
THCA	ND	ND
CBDA	ND	ND
CBGA	ND	ND
D8-THC	ND	ND
exo-THC	ND	ND
Total	6.15	57.0
Max THC	ND	ND
Max CBD	1.58	14.6



Limit of Quantitation (LOQ) = 0.0113 wt%
Limit of Detection (LOD) = 0.0038 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 Limit of Quantification (LOQ). For values reported as "<LOQ", the estimated value is included in the calculated Total.

HM: Heavy Metal Analysis [WI-10-13]

Analyst: CJS *Test Date: 9/13/2021*

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.

97344-HM

Symbol	Metal	Conc. [1] (µg/kg)	RL	Use Limits [2] (µg/kg) All	Use Limits [2] (µg/kg) Ingestion	Status
As	Arsenic	ND	50.0	200	1,500	PASS
Cd	Cadmium	ND	50.0	200	500	PASS
Hg	Mercury	ND	50.0	100	1,500	PASS
Pb	Lead	ND	50.0	500	1,000	PASS

1) ND = None detected above the indicated Reporting Limit (RL)
2) MA Dept. of Public Health: Protocol for MMJ and MIPS, Exhibit 4(a) for all products.
3) USP exposure limits based on daily oral dosing of 1g of concentrate for a 110 lb person.

MY: Mycotoxin Testing [WI-10-05]

Analyst: BMJ *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.

97344-MY

Test ID	Date	Results	MDL	Limits	Status*
Total Aflatoxin	9/15/2021	< MDL	2 ppb	< 20 ppb	PASS
Total Ochratoxin	9/15/2021	< MDL	3 ppb	< 20 ppb	PASS

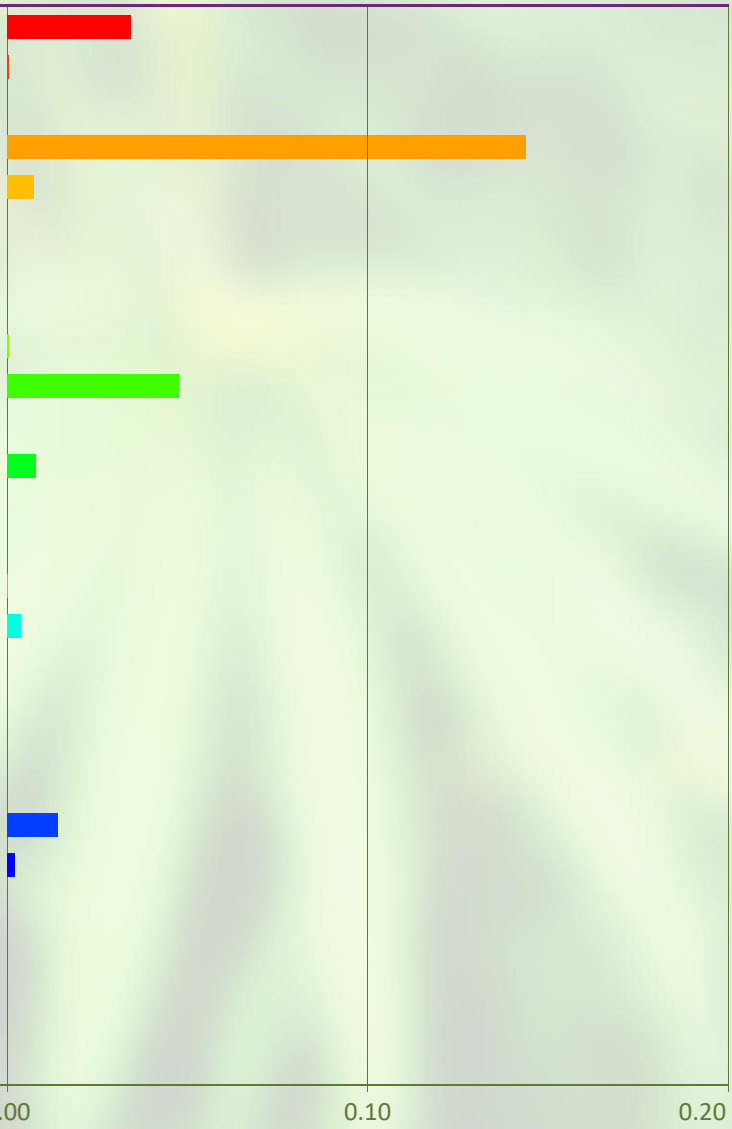
TP: Terpenes Profile [WI-10-27] *Analyst: CJS* *Test Date: 9/16/2021*

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.

97344-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)
alpha-pinene	80-56-8	0.0344	344
camphene	79-92-5	0.0006	5.52
sabinene*	3387-41-5	ND	ND
beta-myrcene	123-35-3	0.144	1,440
beta-pinene	127-91-3	0.0074	73.7
alpha-phellandrene	99-83-2	ND	ND
delta-3-carene	13466-78-9	ND	ND
alpha-terpinene	99-86-5	ND	ND
alpha-ocimene	502-99-8	<RL	<RL
D-limonene	138-86-3	0.0475	475
p-cymene	99-87-6	ND	ND
cis-beta-ocimene	3338-55-4	0.0080	80.3
eucalyptol	470-82-6	ND	ND
gamma-terpinene	99-85-4	ND	ND
terpinolene	586-62-9	<RL	<RL
linalool	78-70-6	0.0038	37.6
L-fenchone*	7787-20-4	ND	ND
isopulegol	89-79-2	ND	ND
menthol*	89-78-1	ND	ND
geraniol	106-24-1	ND	ND
beta-caryophyllene	87-44-5	0.0141	141
alpha-humulene	6753-98-6	0.0022	21.5
cis-nerolidol	3790-78-1	ND	ND
trans-nerolidol	40716-66-3	ND	ND
guaiol	489-86-1	ND	ND
caryophyllene oxide	1139-30-6	ND	ND
alpha-bisabolol	23089-26-1	ND	ND

Qualitative Profile



Total Terpene: 0.3 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.

VC: Analysis of Volatile Organic Compounds [WI-10-28] *Analyst: CJS* *Test Date: 9/15/2021*

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations.

97344-VC

Compound	CAS	Amount [1]	Limit [2]	RL	Status
Propane	74-98-6	ND	1,000 ppm	100	PASS
Isobutane	75-28-5	ND	1,000 ppm	100	PASS
Butane	106-97-8	ND	1,000 ppm	100	PASS
Methanol	67-56-1	ND	3,000 ppm	100	PASS
Pentane	109-66-0	ND	5,000 ppm	100	PASS
Ethanol	64-17-5	ND	5,000 ppm	100	PASS
Acetone	67-64-1	ND	5,000 ppm	100	PASS
Isopropanol	67-63-0	ND	5,000 ppm	100	PASS
Acetonitrile	75-05-8	ND	410 ppm	100	PASS
Hexane	110-54-3	ND	290 ppm	100	PASS
Heptane	142-82-5	ND	5,000 ppm	100	PASS

1) ND = Not detected at a level greater than the Reporting Limit (RL).
2) In ppm, based on USP recommended limits for residual solvents, adopted by the Massachusetts Department of Public Health for cannabis concentrates and extracts on 3/31/16. Butane/Propane limits are based on limits established for state of Colorado.
(*) For ethanol, as many formulations contain flavorings based on ethanol extracts of natural products, no status has been assigned.

END OF REPORT