PROVERDE LABORATORIES

Test Certificate

Certificate ID: **29496**
Client Sample ID: **Botanical Hemp Oil D10.18**
Matrix: **Tincture - MCT Oil**
Date Received: **4/18/2018**

LoveGrown
186 Main Street Suite #1
FARMINGTON, ME 04938
Attn: ERICA HAYWOOD

This test method was performed in accordance with the requirements of ISO/IEC 17025. The sample was provided to the laboratory by the client and tested as received. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

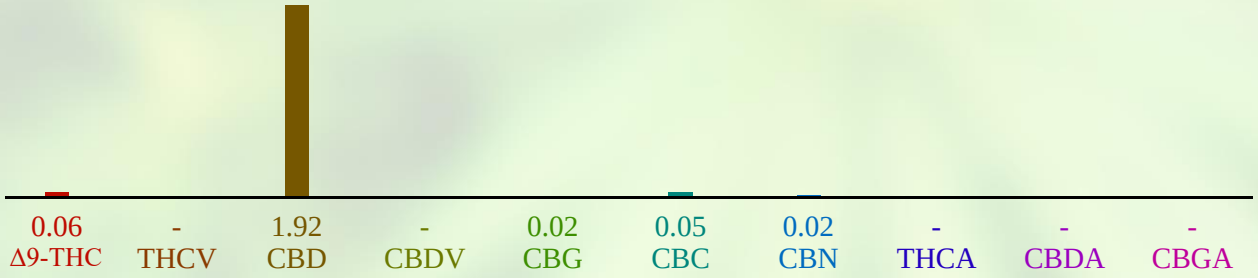
Authorization:	Signature:	Date:
Matthew Silva, Chemical Engineer		4/25/2018

CN: Cannabinoid Profile & Potency [WI-10-04]

Analyst: RAS *Test Date: 4/25/2018*

The client sample was analyzed for plant-based cannabinoids by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations.

29496-CN



ID	Weight %	Conc.
Δ9-THC	0.06 wt %	0.53 mg/mL
THCV	ND	ND
CBD	1.92 wt %	18.15 mg/mL
CBDV	ND	ND
CBG	0.02 wt %	0.14 mg/mL
CBC	0.05 wt %	0.51 mg/mL
CBN	0.02 wt %	0.20 mg/mL
THCA	ND	ND
CBDA	ND	ND
CBGA	ND	ND
Total	2.07 wt%	19.53 mg/mL
Max THC	0.06 wt%	0.53 mg/mL
Max CBD	1.92 wt%	18.15 mg/mL

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. ND = None detected above the limits of detection (LLD)

VC: Analysis of Volatile Oranic Compounds [WI-10-07] *Analyst: CJH* *Test Date: 4/22/2018*

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.

29496-VC

Compound	CAS	Amount [1]	Limit [2]	Status
Butane	106-97-8	ND	5,000 ppm	PASS
Methanol	67-56-1	ND	3,000 ppm	PASS
Ethanol	64-17-5	74 ppm	5,000 ppm	PASS
Acetone	67-64-1	ND	5,000 ppm	PASS
Isopropanol	67-63-0	12 ppm	5,000 ppm	PASS
Acetonitrile	75-05-8	ND	410 ppm	PASS
Hexane	110-54-3	ND	290 ppm	PASS

1) ND = None detected above 5 ppm.
2) In ppm, based on USP recommended limits for residual solvents, adopted by the Massachusetts Department of Public Health on 3/31/16. Butane/Propane limits are based on limits established for state of Colorado.

END OF REPORT