



Certificate ID: 27201

Client Sample ID: 500mg CBD Isolate/30ml Vegetable Glycerin (45%), Propylene Glycol (55%)

Matrix: Tincture - Vegetable Glycerin

Date Received: 2/22/2018



Living Lotus  
CBD

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: Matthew Silva, Chemical Engineer	Signature: 	Date: 3/12/2018
--	--	--------------------

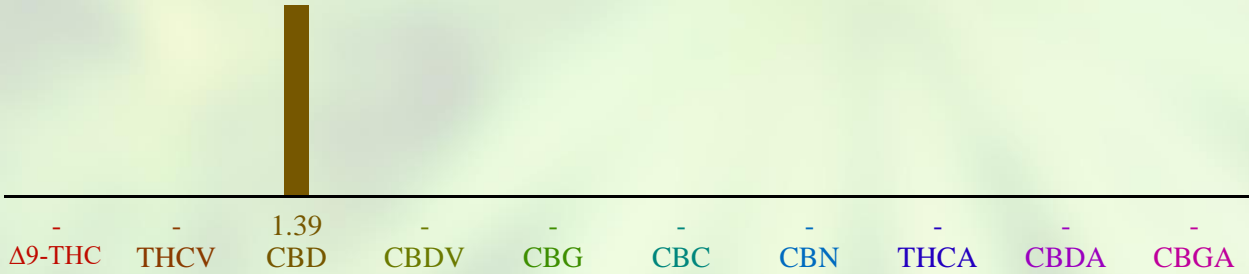
**CN: Cannabinoid Profile & Potency [WI-10-04]**

Analyst: JDP

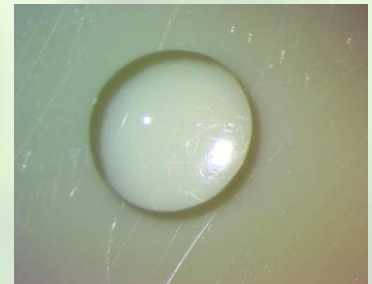
Test Date: 3/2/2018

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.

**27201-CN**



ID	Weight %	Conc.
Δ9-THC	ND	ND
THCV	ND	ND
CBD	1.39 wt %	16.22 mg/mL
CBDV	ND	ND
CBG	ND	ND
CBC	ND	ND
CBN	ND	ND
THCA	ND	ND
CBDA	ND	ND
CBGA	ND	ND
Total	1.39 wt%	16.22 mg/mL
Max THC	-	-
Max CBD	1.39 wt%	16.22 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)

**TP: Terpenes Profile [WI-10-08]**

Analyst: CJH

Test Date: 2/26/2018

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.

**27201-TP**

Compound	ppm	Quantitative Profile	Compound	ppm	Quantitative Profile	
Myrcene			Terpineol			
Pulegone			Camphene			
Isopulegol			Fenchone**			
Borneol			B-pinene			
Menthol			Eucalyptol			
Nerolidol-cis			A-terpinene			
G-terpinene			3-carene			
Nerolidol-trans			A-pinene			
A-bisabolol			Citral-1			
Linalool			Citral-2			
Linalyl Acetate			Limonene			
B-caryophyllene			Citronellol**			
Caryophyllene Oxide			Geraniol			
Eugenol			Ocimene-2			
Guaiol			Ocimene-1			
Sabinene			A-phellandrene			
Humulene			Terpinolene			
P-cymene						
	ppm 0.00	5.00	10.00	ppm 0.00	5.00	10.00

Total Terpene: &lt;0.1 wt%

\* Indicates qualitative calculation based on recorded peak areas.

**VC: Analysis of Volatile Organic Compounds [WI-10-07]**

Analyst: CJH

Test Date: 2/26/2018

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.

**27201-VC**

Compound	CAS	Amount <sup>1</sup>	Limit <sup>2</sup>	Status
Butane	106-97-8	ND	5,000 ppm	PASS
Methanol	67-56-1	ND	3,000 ppm	PASS
Ethanol	64-17-5	ND	5,000 ppm	PASS
Acetone	67-64-1	ND	5,000 ppm	PASS
Isopropanol	67-63-0	6 ppm	5,000 ppm	PASS
Acetonitrile	75-05-8	ND	410 ppm	PASS
Hexane	110-54-3	ND	290 ppm	PASS
Heptane	142-82-5	ND	5,000 ppm	PASS
1-butanol	71-36-3	73 ppm	5,000 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**