

Certificate ID: **13106**  
 Client Sample ID: **1oz CBD Oil (Lot# OC16291)**  
 Matrix: **Tincture - CBD / Hemp seed oil mixture**  
 Date Received: **10/25/2016**

**Ojai Energetics**  
**318 Graves Ave**  
**Oxnard, CA 93030**  
**Attn: Melissa Barrett**

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.

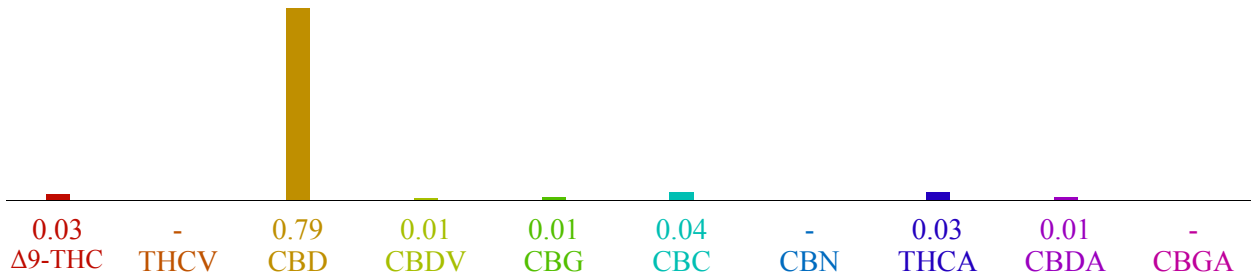
Authorization: Christopher Hudalla, CSO	Signature: 	Date: 11/14/2016
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**CN: Cannabinoid Profile & Potency [WI-10-04]**

Analyst: LA

Test Date: 11/8/2016

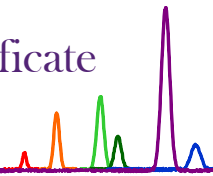
The client sample was analyzed by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations.

**13106-CN**


ID	Weight %	Conc.
Δ9-THC	0.03 wt %	0.29 mg/mL
THCV	0.00 wt %	0.01 mg/mL
CBD	0.79 wt %	8.36 mg/mL
CBDV	0.01 wt %	0.11 mg/mL
CBG	0.01 wt %	0.14 mg/mL
CBC	0.04 wt %	0.38 mg/mL
CBN	-	-
THCA	0.03 wt %	0.35 mg/mL
CBDA	0.01 wt %	0.15 mg/mL
CBGA	-	-
Total	0.92 wt%	9.80 mg/mL
Max THC	0.06 wt%	0.60 mg/mL
Max CBD	0.80 wt%	8.49 mg/mL


**Ratio of Total CBD to THC 13.3:1**

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.



**Test Certificate No.:** 13106\_EA  
**Sample:** 1oz bottle of CBD oil  
**Matrix:** Tincture

**Customer:** Ojai Energetics  
 Melissa Barrett  
 melbarrett@me.com

**Date Received:** 10/25/16  
**Test Date:** 10/26/16  
**Technician:** JFD

ELEMENTAL ANALYSIS BY ICP-MS [Procedure WI-10-13]

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Metal	Symbol	Conc. <sup>1</sup> (µg/kg)	LLD (µg/kg)	Limits <sup>2</sup> (µg/kg)	Status
Magnesium	Mg	284,252	500	-	PASS
Aluminum	Al	9,781	5,000	-	PASS
Phosphorus	P	<0.00	500	-	PASS
Sulfur	S	1,089	5,000	-	PASS
Potassium	K	23,699,440	5,000	-	PASS
Calcium	Ca	245,331	500	-	PASS
Vanadium	V	40.6	10	-	PASS
Chromium	Cr	82.1	5,000	-	PASS
Manganese	Mn	2,394	500	-	PASS
Iron	Fe	18,195	5,000	-	PASS
Cobalt	Co	9.6	10	-	PASS
Nickel	Ni	206.4	500	-	PASS
Copper	Cu	<0.00	500	-	PASS
Zinc	Zn	363.0	5,000	-	PASS
Arsenic	As	59.2	4	200	PASS
Selenium	Se	11.6	10	-	PASS
Silver	Ag	0.4	10	-	PASS
Cadmium	Cd	0.7	1	200	PASS
Mercury	Hg	0.1	2	100	PASS
Lead	Pb	19.8	2	500	PASS

- 1) ND = None detected to Lowest Limits of Detection (LLD)
- 2) MA Dept. of Public Health: Protocol for MMJ and MIPS, Exhibit 4(a) for all products.

<b>ProVerde Laboratories, Inc.</b> 420 Fortune Blvd. Milford, MA 01757 617.221.3356	<b>Authorization:</b> Christopher Hudalla, CSO	<b>Date</b>
	<b>Signature:</b> <i>Christopher Hudalla</i>	10/29/2016

Certificate ID: **13106**  
 Client Sample ID: **1oz CBD Oil (Lot# OC16291)**  
 Matrix: **Tincture - CBD / Hemp seed oil mi**  
 Date Received: **10/25/2016**

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

Analyst: LabTech

Test Date: 10/25/2016

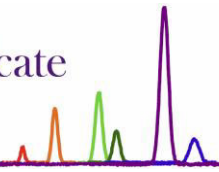
The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations.

**13106-VC**

Compound	CAS	Amount <sup>1</sup>	Limit <sup>2</sup>	Status
Propane	74-98-6	ND	N/A	-
Butane	106-97-8	ND	800 ppm	PASS
Methanol	67-56-1	51 ppm	3,000 ppm	PASS
Ethanol	64-17-5	6 ppm	5,000 ppm	PASS
Acetone	67-64-1	ND	5,000 ppm	PASS
Isopropanol	67-63-0	12 ppm	5,000 ppm	PASS
3-methylpentane	96-14-0	16 ppm	N/A	-
Hexane	110-54-3	ND	290 ppm	PASS
2-butanone	78-93-3	7 ppm	N/A	-
Heptane	142-82-5	26 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.



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**PST: Pesticide Analysis [WI-10-11]**

Analyst: LA

Test Date: 10/31/2016

The client sample was analyzed for pesticides using Liquid Chromatography with Mass Spectrometric detection (LC/MS/MS). The method used for sample prep was based on the European method for pesticide analysis (EN 15662).

**13106-PST**

Analyte	CAS	Result	Units	LLD	Limits (ppb)	Status
Abamectin	71751-41-2	ND	ppb	0.2	10	PASS
Acequinocyl	57960-19-7	ND	ppb	0.5	10	*
Bifenazate	149877-41-8	ND	ppb	0.01	10	PASS
Bifenthrin	82657-04-03	ND	ppb	0.11	10	PASS
Chloromequat chloride	999-81-5	ND	ppb	0.09	10	PASS
Cyfluthrin	68359-37-5	ND	ppb	0.5	10	*
Daminozide	1596-84-5	ND	ppb	10	10	*
Etoxazole	153233-91-1	ND	ppb	0.01	10	PASS
Fenoxycarb	72490-01-8	ND	ppb	0.07	10	PASS
Imazalil	35554-44-0	ND	ppb	0.03	10	PASS
Imidacloprid	138261-41-3	ND	ppb	0.06	10	PASS
Myclobutanil	88671-89-0	ND	ppb	0.03	10	PASS
Paclobutrazol	76738-62-0	ND	ppb	0.05	10	PASS
Pyrethrin	8003-34-7	ND	ppb	0.06	10	PASS
Spinosad	168316-95-8	ND	ppb	0.01	10	PASS
Spiromesifen	283594-90-1	ND	ppb	0.01	10	PASS
Spirotetramat	203313-25-1	ND	ppb	0.01	10	PASS
Trifloxystrobin	141517-21-7	ND	ppb	0.02	10	PASS

\* Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 5. ND indicates "none detected" above the 10ppb threshold. Analytes marked with (\*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample.