



Certificate ID: **43436**

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**Cannaviri**

**112 N Diane St.**

**Mesa, AZ 85203**

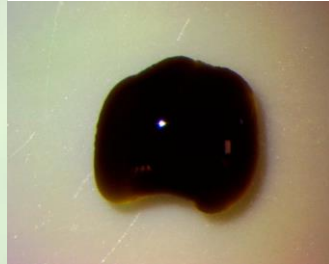
**Attn: James Mc Cready**

Client Sample ID: **Oil 1**

Lot Number:

Matrix: **Concentrates/Extracts - Alcohol**

Authorization: <b>Jon Podgorni, Lab Manager</b>	Signature: 	Date: <b>12/11/2018</b>
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The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2005. 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.




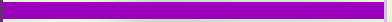

**CN: Cannabinoid Profile & Potency [WI-10-17]**

*Analyst: JSG*

*Test Date: 12/10/2018*

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.

**43436-CN**

ID	Weight %	Conc.		
D9-THC	ND	ND		
THCV	ND	ND		
CBD	9.78 wt %	97.79 mg/g		
CBDV	ND	ND		
CBG	ND	ND		
CBC	0.53 wt %	5.33 mg/g		
CBN	ND	ND		
THCA	1.07 wt %	10.68 mg/g		
CBDA	44.17 wt %	441.68 mg/g		
CBGA	1.57 wt %	15.74 mg/g		
Total	57.12 wt%	571.21 mg/g	0%	Cannabinoids (wt%) 44.2%
Max THC	0.94 wt%	9.36 mg/g		
Max CBD	48.51 wt%	485.14 mg/g		

**Ratio of Total CBD to THC 51.8:1**

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

**EA: Elemental Analysis [WI-10-13]**

Analyst: JFD

Test Date: 12/6/2018

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.

**43436-EA**

Symbol	Metal	Conc. <sup>1</sup>	MDL	Limits <sup>2</sup>	Status
Al	Aluminum	899 ug/kg	5 ug/kg	-	
As	Arsenic	ND	4 ug/kg	15000 ug/kg	PASS
Cd	Cadmium	7 ug/kg	1 ug/kg	5000 ug/kg	PASS
Ca	Calcium	27,215 ug/kg	500 ug/kg	-	
Cr	Chromium	14 ug/kg	5 ug/kg	45000 ug/kg	PASS
Co	Cobalt	ND	10 ug/kg	-	
Cu	Copper	721 ug/kg	500 ug/kg	3100000 ug/kg	PASS
Fe	Iron	3,679 ug/kg	5 ug/kg	-	
Pb	Lead	57 ug/kg	2 ug/kg	400000 ug/kg	PASS
Mg	Magnesium	268,562 ug/kg	500 ug/kg	-	
Mn	Manganese	1,975 ug/kg	500 ug/kg	-	
Hg	Mercury	ND	2 ug/kg	9400 ug/kg	PASS
Mo	Molybdenum	ND	5000 ug/kg	-	
Ni	Nickel	ND	500 ug/kg	1500000 ug/kg	PASS
P	Phosphorus	3,469,011 ug/kg	500 ug/kg	-	
K	Potassium	647,097 ug/kg	5 ug/kg	-	
Se	Selenium	39 ug/kg	10 ug/kg	-	
Ag	Silver	ND	10 ug/kg	-	
S	Sulfur	139 ug/kg	5 ug/kg	-	
Sn	Tin	ND	5000 ug/kg	-	
Zn	Zinc	3,807 ug/kg	5 ug/kg	15000 ug/kg	PASS

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).

**43436-PST**

Analyte	CAS	Result	Units	LLD	Limits (ppb)	Status
Abamectin	71751-41-2	ND	ppb	0.20	100	*
Abamectin B1b	65195-56-4	ND	ppb	0.20	100	*
Azoxystrobin	131860-33-8	ND	ppb	0.10	100	PASS
Bifenazate	149877-41-8	ND	ppb	0.10	100	PASS
Bifenthrin	82657-04-3	ND	ppb	0.20	3000	PASS
Cyfluthrin	68359-37-5	ND	ppb	0.50	2000	*
Daminozide	1596-84-5	ND	ppb	10.00	10	PASS
Etoxazole	153233-91-1	ND	ppb	0.10	100	PASS
Fenoxycarb	72490-01-8	ND	ppb	0.10	10	PASS
Imazalil	35554-44-0	ND	ppb	0.10	10	PASS
Imidacloprid	138261-41-3	ND	ppb	0.10	5000	PASS
Myclobutanil	88671-89-0	ND	ppb	0.10	100	PASS
Paclobutrazol	76738-62-0	ND	ppb	0.10	10	PASS
Piperonyl butoxide	51-03-6	ND	ppb	0.10	3000	*
Pyrethrin	8003-34-7	ND	ppb	0.1	500	*
Spinosad	168316-95-8	ND	ppb	0.1	100	PASS
Spiromesifen	283594-90-1	ND	ppb	0.10	100	*
Spirotetramat	203313-25-1	ND	ppb	0.10	100	PASS
Trifloxystrobin	141517-21-7	ND	ppb	0.10	100	PASS

\* Testing limits for inhalation established by the State of California: CCR, Title 16, Division 42, Chapter 5, Section 5313. ND indicates "none detected" above the lower limit of detection (LLD). Analytes marked with (\*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample.

**END OF REPORT**