

CERTIFICATE OF ANALYSIS

March 20, 2019

Lot No: FW190311T500N

Batch ID: FW190305P10

Matrix: 500 mg Full Spectrum Tincture, MCT Oil Carrier, Unflavored, 30 mL

Date: March 20, 2019

Lab Analyst: Frank Mulligan



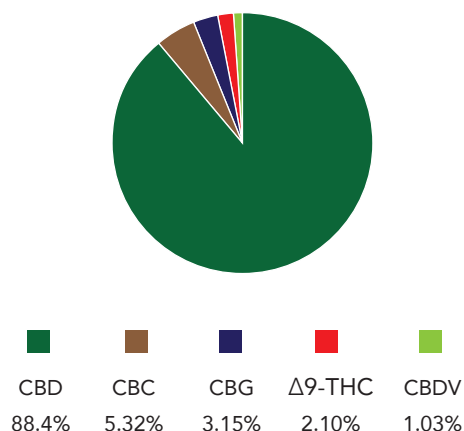
AUTHORIZATION Frank Mulligan, Lab Director	SIGNATURE 	DATE 3/20/2019
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Lab sample analyzed for cannabinoid profile and potency by Convergence Chromatography (CC) in accordance with the requirements of ISO/IEC 17025. These test results relate only to the article listed in this report. This report may not be reproduced except in its entirety.

CANNABINOID POTENCY RESULTS

Cannabinoid	Weight (%)	(mg/unit)
THCA	*ND	0.00
Δ9-THC	0.052	15.38
Δ8-THC	*ND	0.00
THCV	*ND	0.00
CBDa	*ND	0.00
CBD	1.600	474.15
CBDV	0.032	9.46
CBN	*ND	0.00
CBGa	*ND	0.00
CBG	0.106	1.06
CBC	0.126	37.26
MAX THC	0.052	15.38
MAX CBD	1.600	474.15
TOTAL ACTIVE	1.916	537.31

CANNABINOID DISTRIBUTION



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 Lowest Limits of Detection (LLD).

RESIDUAL SOLVENTS ANALYSIS

Propane: ND*	Pentane: ND*
Isobutane: ND*	Isopropanol: ND*
Butane: ND*	Hexane: ND*
Ethanol: ND*	Acetone: ND*

HEAVY METALS ANALYSIS

Cadmium: ND*
Lead: ND*
Arsenic: ND*
Mercury: ND*

*ND = None detected above the Lowest Limits of Detection (LLD)

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MYCOTOXIN TESTING RESULTS

TEST ID	RESULTS	MDL	LIMITS	STATUS
Total Aflatoxin	<MDL	3 ppb	<20 ppb	PASS
Total Ochratoxin	<MDL	2 ppb	<20 ppb	PASS

PESTICIDE ANALYSIS

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

ANALYTE	CAS	RESULT	UNITS	LLD	LIMITS (PPB)*	STATUS
Abamectin	71751-41-2	ND	ppb	0.2	10	PASS
Azoxystrobin	131860-33-8	ND	ppb	0.1	10	PASS
Bifenazate	149877-41-8	ND	ppb	0.1	10	PASS
Bifenthrin	82657-04-3	ND	ppb	0.2	10	PASS
Cyfluthrin	68359-37-5	ND	ppb	0.5	10	PASS
Daminozide	1596-84-5	ND	ppb	10	10	PASS
Dichlorvos	62-73-7	ND	ppb	3	10	PASS
Etoxazole	153233-91-1	ND	ppb	0.1	10	PASS
Fenoxycarb	72490-01-8	ND	ppb	0.1	10	PASS
Imazalil	35554-44-0	ND	ppb	0.1	10	PASS
Imidacloprid	138261-41-3	ND	ppb	0.1	10	PASS
Myclobutanil	88671-89-0	ND	ppb	0.1	10	PASS
Paclobutrazol	76738-62-0	ND	ppb	0.1	10	PASS
Piperonyl butoxide	51-03-6	ND	ppb	0.1	10	PASS
Pyrethrin	8003-34-7	ND	ppb	0.1	10	PASS
Spinosad	168316-95-8	ND	ppb	0.1	10	PASS
Spiromesifen	283594-90-1	ND	ppb	0.1	10	PASS
Spirotetramat	203316-25-1	ND	ppb	0.1	10	PASS
Trifloxystrobin	141517-21-7	ND	ppb	0.1	10	PASS

* Testing limits established by the Nevada Department of Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Nevada Registered Medical Marijuana Dispensaries, Exhibit 5. ND indicates "None Detected" above the Lowest Limits of Detection (LLD). Analytes marked with (*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample.