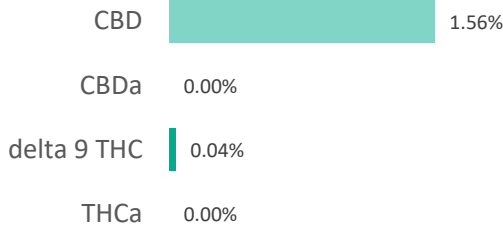
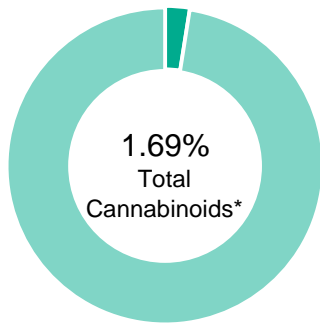


FULL SPECTRUM CBD 500mg TINCTURE

Batch ID:		Test ID:	3157819.0017
Reported:	11-Oct-2019	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.01	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.00	0.04	0.4
Cannabidiolic acid (CBDA)	0.01	0.00	0.0
Cannabidiol (CBD)	0.01	1.56	15.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.00	0.00	0.0
Cannabinolic Acid (CBNA)	0.01	0.00	0.0
Cannabinol (CBN)	0.01	0.00	0.0
Cannabigerolic acid (CBGA)	0.01	0.00	0.0
Cannabigerol (CBG)	0.00	0.02	0.2
Tetrahydrocannabivarinic Acid (THCVA)	0.01	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.00	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.01	0.00	0.0
Cannabidivarin (CBDV)	0.00	0.00	0.0
Cannabichromenic Acid (CBCA)	0.01	0.00	0.0
Cannabichromene (CBC)	0.01	0.07	0.7
Total Cannabinoids		1.69	16.90
Total Potential THC**		0.04	0.40
Total Potential CBD**		1.56	15.60

NOTES:


N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.


** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877))$$

$$\text{and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
FINAL APPROVAL


Daniel Weidensaul
 10-Oct-2019
 6:47 PM

PREPARED BY / DATE



Greg Zimpfer
 11-Oct-2019
 8:05 AM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02





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Certificate of Analysis

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2 of 5

Global Cannabinoids

6445 S Tenaya Way
NV 89113
formulation@globalcannabinoids.io
(904) 312-1834
Lic. #74911

Sample: 1908NVC1162-5462

Strain: n/a
Batch #: FW190729;
Sample Received: 08/02/2019; Report Created: 08/06/2019

Whole Hemp Extract FW190729


Concentrates & Extracts, Full Extract Cannabis Oil, Other
Harvest Process Lot: ; METRC Batch: ; METRC Sample:





Terpenes


Analyte	LOQ	Mass	Mass	
	mg/g	mg/g	%	
α -Bisabolol	0.169	4.272	0.4272	
β -Caryophyllene	0.169	2.396	0.2396	
Caryophyllene Oxide	0.169	2.286	0.2286	
(-)-Guaiol	0.169	2.081	0.2081	
α -Humulene	0.169	0.884	0.0884	
α -Pinene	0.169	<0.169	<0.0169	
α -Terpinene	0.169	<0.169	<0.0169	
β -Myrcene	0.169	<0.169	<0.0169	
Camphene	0.169	<0.169	<0.0169	
δ -3-Carene	0.169	<0.169	<0.0169	
δ -Limonene	0.169	<0.169	<0.0169	
γ -Terpinene	0.169	<0.169	<0.0169	
Geraniol	0.169	<0.169	<0.0169	
Linalool	0.169	<0.169	<0.0169	
Nerolidol	0.169	<0.169	<0.0169	
Ocimene	0.169	<0.169	<0.0169	
(-)- β -Pinene	0.169	<0.169	<0.0169	
(-)-Isopulegol	0.169	<0.169	<0.0169	
p-Cymene	0.169	<0.169	<0.0169	
Terpinolene	0.169	<0.169	<0.0169	

Primary Aromas


 Chamomile


 Cinnamon


 Wood


 Hops

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Terpenes analyzed by SOP-022.

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Hui Wang

Hui Wang
Scientific Director

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Global Cannabinoids

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(904) 312-1834
Lic. #74911

Sample: 1908NVC1162-5462

Strain: n/a
Batch #: FW190729;
Sample Received: 08/02/2019; Report Created: 08/06/2019

Whole Hemp Extract FW190729

Concentrates & Extracts, Full Extract Cannabis Oil, Other
Harvest Process Lot:: METRC Batch:: METRC Sample:



Residual Solvents

Pass

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Butanes	163.934	500.000	<163.934	Pass
Heptanes	163.934	500.000	<163.934	Pass
Isobutane	163.934	500.000	<163.934	Pass
Propane	163.934	500.000	<163.934	Pass

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Global Cannabinoids

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formulation@globalcannabinoids.io
(904) 312-1834
Lic. #74911

Sample: 1908NVC1162-5462

Strain: n/a
Batch #: FW190729;
Sample Received: 08/02/2019; Report Created: 08/06/2019

Whole Hemp Extract FW190729

Concentrates & Extracts, Full Extract Cannabis Oil, Other
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Heavy Metals

Pass

Analyte	Mass	LOQ	Limit	Status
	PPB	PPB	PPB	
Arsenic	<124.875	124.875	2000.000	Pass
Cadmium	<124.875	124.875	820.000	Pass
Lead	<124.875	124.875	1200.000*	Pass
Mercury	<124.875	124.875	400.000	Pass

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Brenda Shalloo

Brenda Shalloo
Scientific Operations Director

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Global Cannabinoids

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Sample: 1908NVC1162-5462

Strain: n/a
Batch #: FW190729;
Sample Received: 08/02/2019; Report Created: 08/06/2019

Whole Hemp Extract FW190729

Concentrates & Extracts, Full Extract Cannabis Oil, Other
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Pesticides

Pass

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Abamectin	0.018	0.050	<0.018	Pass
Acequinocyl	0.036	4.000	<0.036	Pass
Beta-Cyfluthrin	0.181	4.000	<0.181	Pass
Bifenazate	0.018	15.000	<0.018	Pass
Bifenthrin	0.018	0.050	<0.018	Pass
Cypermethrin	0.018	0.050	<0.018	Pass
Daminozide	0.018	0.050	<0.018	Pass
Dimethomorph	0.018	60.000	<0.018	Pass
Etoxazole	0.018	7.000	<0.018	Pass
Fenhexamid	0.018	30.000	<0.018	Pass
Flonicamid	0.018	7.000	<0.018	Pass
Fludioxonil	0.018	0.020	<0.018	Pass
Imidacloprid	0.018	0.050	<0.018	Pass
Myclobutanil	0.018	4.000	<0.018	Pass
Paclobutrazol	0.018	0.050	<0.018	Pass
Piperonyl Butoxide	0.018	10.000	<0.018	Pass
Pyrethrins	0.005	1.000	<0.005	Pass
Quintozene	0.018	0.200	<0.018	Pass
Spinetoram	0.018	1.700	<0.018	Pass
Spinosad	0.018	10.000	<0.018	Pass
Spirotetramat	0.018	10.000	<0.018	Pass
Thiamethoxam	0.018	0.020	<0.018	Pass
Trifloxystrobin	0.018	11.000	<0.018	Pass

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