



**ROCKY
MOUNTAIN
CBD OIL**

CERTIFICATE OF COMPLIANCE

Material: **Organic Full Spectrum Distillate**

Lot # **LD-O-00151**

Manufacture Date: **6/24/2021**

Source Lot Testing for Colorado Compliance (LD-O-00151)

Item	Result	Specification	Units	Lab/Method
Color	Amber	NONE	N/A	N/A
Smell	Light Hemp	NONE	N/A	N/A
Potency	Result	Specification	Units	Lab/Method
Total CBD	79.50%	NONE	%	botanacor/TM-14
Total THC	2.59%	NONE	%	botanacor/TM-14
Heavy Metals	Result	Specification	Units	Lab/Method
Arsenic	NON-DETECT	<.05	ppm	Botanacor/EPA 6020A
Cadmium	NON-DETECT	<.05	ppm	Botanacor/EPA 6020A
Lead	NON-DETECT	<.05	ppm	Botanacor/EPA 6020A
Mercury	NON-DETECT	<.05	ppm	Botanacor/EPA 6020A
Microbial	Result	Specification	Units	Lab/Method
Total Aerobic Count	NON-DETECT	NON-DETECT	(CFU/g)	botanacor/TM-05/06
Total Coliforms	NON-DETECT	NON-DETECT	(CFU/g)	botanacor/TM-05/06
Total Yeast/Molds	NON-DETECT	NON-DETECT	(CFU/g)	botanacor/TM-05/06
E. Coli (STEC)	ABSENT	NON-DETECT	(CFU/g)	botanacor/TM-05/06
Salmonella	ABSENT	NON-DETECT	(CFU/g)	botanacor/TM-05/06
Mycotoxin	Result	Specification	Units	Lab/Method
Ochratoxin A	NON-DETECT	NON-DETECT	ppb	botanacor/TM18
Aflatoxin B1, B2, G1, G2	NON-DETECT	NON-DETECT	ppb	botanacor/TM18
Total Aflatoxin	NON-DETECT	NON-DETECT	ppb	botanacor/TM18
Pesticides	Result	Specification	Units	Lab/Method
All	NON-DETECT	NON-DETECT	ppb	botanacor/TM17
Residual Solvents	Result	Specification	Units	Lab/Method
All	NON-DETECT	NON-DETECT	ppm	botanacor/TM04

Other Ingredients: **NONE**

QC Approval: *S. A. [Signature]*

Lot Traceability

CBD Oil Source Lot# LE-O-00713

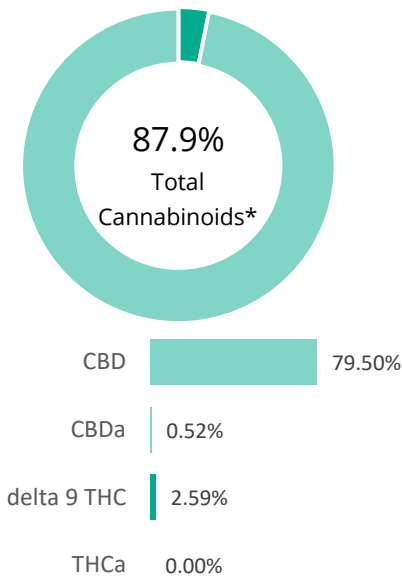
Biomass Farm Source 8672

Biomass Batch # BH-8672-12

LD-O-00151

Batch ID:		Test ID:	T000148520
Type:	Concentrate	Submitted:	06/28/2021 @ 10:51 AM
Test:	Potency	Started:	6/28/2021
Method:	TM14	Reported:	6/29/2021

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.14	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.15	2.59	25.9
Cannabidiolic acid (CBDA)	0.13	0.52	5.2
Cannabidiol (CBD)	0.13	79.50	795.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.17	ND	ND
Cannabinolic Acid (CBNA)	0.10	ND	ND
Cannabinol (CBN)	0.04	0.08	0.8
Cannabigerolic acid (CBGA)	0.14	ND	ND
Cannabigerol (CBG)	0.03	1.73	17.3
Tetrahydrocannabivarinic Acid (THCVA)	0.12	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	ND	ND
Cannabidivarinic Acid (CBDVA)	0.06	ND	ND
Cannabidivarin (CBDV)	0.03	0.33	3.3
Cannabichromenic Acid (CBCA)	0.05	ND	ND
Cannabichromene (CBC)	0.06	3.15	31.5
Total Cannabinoids		87.90	879.0
Total Potential THC**		2.59	25.9
Total Potential CBD**		79.96	799.6

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.

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

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

ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL

Samantha Smith
 Sam Smith
 29-Jun-2021
 4:26 PM

PREPARED BY / DATE

Michele Gagnon
 Michele Gagnon
 29-Jun-2021
 4:31 PM

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



Certificate #4329.02

LD-O-00151


Batch ID:	N/A	Test ID:	t000148874
Type:	Concentrate	Submitted:	06/29/2021 @ 10:08 AM
Test:	Metals	Started:	7/2/2021
Method:	TM19	Reported:	7/6/2021

HEAVY METALS


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.048 - 4.84	ND
Cadmium	0.046 - 4.62	ND
Mercury	0.046 - 4.56	ND
Lead	0.047 - 4.67	ND

* ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL


Michele Gagnon
6-Jul-2021
2:18 PM

PREPARED BY / DATE


Ryan Weems
6-Jul-2021
2:20 PM

APPROVED BY / DATE

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Prepared for:
**ROCKY MOUNTAIN
 EXTRACTION SERVICES LLC**
LD-O-00151


Batch ID or Lot Number:	Test:	Reported:	Location:
LD-O-00151	Microbial Contaminants	7/6/21	861 AUTOMATION DRIVE WINDSOR, CO 80550


Matrix:	Test ID:	Started:	USDA License:
Concentrate	T000149551	7/1/21	CDPHE

Status:	Methods:	Received:	Sampler ID:
	TM24, TM25, TM26, TM27	07/01/2021 @ 11:31 AM	

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	LOQ	Result	Notes
Total Aerobic Count*	TM-26 Culture Plating	10 ² CFU/gram	10 ³ CFU/gram	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27 Culture Plating	10 ¹ CFU/gram	10 ² CFU/gram	None Detected	
Total Yeast and Molds*	TM-24 Culture Plating	10 ¹ CFU/gram	10 ² CFU/gram	None Detected	
E. coli (STEC)	TM-25 PCR	1 CFU/25 grams	NA	Absent	
Salmonella	TM-25 PCR	1 CFU/25 grams	NA	Absent	


 Sarah Henning
 6-Jul-21
 10:33 AM


 Robert Belfon
 6-Jul-21
 4:09 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

CFU/g = Colony Forming Units per Gram

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU



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Certificate #4329.02

Prepared for:
ROCKY MOUNTAIN EXTRACTION SERVICES LLC
LD-O-00151


Batch ID or Lot Number: LD-O-00151	Test: Mycotoxins	Reported: 7/13/21	Location: 861 AUTOMATION DRIVE WINDSOR, CO 80550
Matrix: Concentrate	Test ID: T000149552	Started: 7/9/21	USDA License: N/A
Status: N/A	Methods: TM19: Mycotoxins (Colorado Compliant)	Received: 07/01/2021 @ 11:31 AM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.9 - 407.8	ND	Amendment to T000149552 issued on 13July2021 to remove A2LA logo pending approval. BRM 16July2021.
Aflatoxin B1	4.2 - 98.1	ND	
Aflatoxin B2	4.1 - 99.6	ND	
Aflatoxin G1	4.4 - 99.8	ND	
Aflatoxin G2	4.1 - 97	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 Alex Smith
 7/12/2021
 9:31:00 AM

PREPARED BY / DATE


 Sam Smith
 7/13/2021
 11:36:00 AM

APPROVED BY / DATE

Definitions

* ND = None Detected (Defined by Dynamic Range of the method)

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LD-O-00151

Batch ID:		Test ID:	T000148873
Type:	Concentrate	Submitted:	06/29/2021 @ 10:08 AM
Test:	Pesticides	Started:	7/1/2021
Method:	TM17	Reported:	7/2/2021


PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	45 - 2389	ND*	Malathion	292 - 2389	ND*
Acetamiprid	45 - 2389	ND*	Metalaxyl	49 - 2389	ND*
Abamectin	>313	ND*	Methiocarb	47 - 2389	ND*
Azoxystrobin	44 - 2389	ND*	Methomyl	43 - 2389	ND*
Bifenazate	43 - 2389	ND*	MGK 264 1	171 - 2389	ND*
Boscalid	58 - 2389	ND*	MGK 264 2	120 - 2389	ND*
Carbaryl	42 - 2389	ND*	Myclobutanil	39 - 2389	ND*
Carbofuran	43 - 2389	ND*	Naled	50 - 2389	ND*
Chlorantraniliprole	42 - 2389	ND*	Oxamyl	46 - 2389	ND*
Chlorpyrifos	61 - 2389	ND*	Paclbutrazol	48 - 2389	ND*
Clofentezine	290 - 2389	ND*	Permethrin	282 - 2389	ND*
Diazinon	291 - 2389	ND*	Phosmet	43 - 2389	ND*
Dichlorvos	>286	ND*	Prophos	308 - 2389	ND*
Dimethoate	45 - 2389	ND*	Propoxur	46 - 2389	ND*
E-Fenpyroximate	277 - 2389	ND*	Pyridaben	277 - 2389	ND*
Etofenprox	41 - 2389	ND*	Spinosad A	30 - 2389	ND*
Etoxazole	290 - 2389	ND*	Spinosad D	80 - 2389	ND*
Fenoxycarb	>45	ND*	Spiromesifen	>276	ND*
Fipronil	53 - 2389	ND*	Spirotetramat	>269	ND*
Flonicamid	40 - 2389	ND*	Spiroxamine 1	21 - 2389	ND*
Fludioxonil	>324	ND*	Spiroxamine 2	24 - 2389	ND*
Hexythiazox	44 - 2389	ND*	Tebuconazole	270 - 2389	ND*
Imazalil	292 - 2389	ND*	Thiacloprid	47 - 2389	ND*
Imidacloprid	45 - 2389	ND*	Thiamethoxam	45 - 2389	ND*
Kresoxim-methyl	50 - 2389	ND*	Trifloxystrobin	45 - 2389	ND*


* ND = None Detected (Defined by Dynamic Range of the method)

N/A

FINAL APPROVAL


 Taylor Brevik
 2-Jul-2021
 8:48 AM

PREPARED BY / DATE


 Michele Gagnon
 2-Jul-2021
 8:50 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.



LD-O-00151

Batch ID:		Test ID:	T000148875
Type:	Concentrate	Submitted:	06/29/2021 @ 10:08 AM
Test:	Residual Solvents	Started:	7/1/2021
Method:	TM04	Reported:	7/1/2021


RESIDUAL SOLVENTS


Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	85 - 1703	*ND
Butanes (Isobutane, n-Butane)	168 - 3368	*ND
Methanol	68 - 1357	*ND
Pentane	96 - 1913	*ND
Ethanol	100 - 1998	*ND
Acetone	109 - 2185	*ND
Isopropyl Alcohol	116 - 2321	*ND
Hexane	7 - 132	*ND
Ethyl Acetate	110 - 2192	*ND
Benzene	0.2 - 4.4	*ND
Heptanes	104 - 2073	*ND
Toluene	20 - 392	*ND
Xylenes (m,p,o-Xylenes)	141 - 2828	*ND

* ND = None Detected (Defined by Dynamic Range of the method)

NOTES:
N/A

FINAL APPROVAL


 Daniel Weidensaul
 1-Jul-2021
 4:19 PM


 Ryan Weems
 1-Jul-2021
 4:21 PM

PREPARED BY / DATE

APPROVED BY / DATE

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