



ROCKY  
MOUNTAIN  
CBD OIL

**CERTIFICATE  
OF  
COMPLIANCE**

Material:

**Organic TCH Non-Detect Distillate**

Lot # LNeD-O-30191

Manufacture Date:

1/24/2022

Potency : Colorado Compliant		Specification		
CBD	81.94%	No Spec	%	Botanacor/TM14
THC	ND	Non-Detect	%	Botanacor/TM14
Heavy Metals: Colorado Compliant		Specification		
Arsenic	ND	<.05	ppb	Botanacor/TM19
Cadmium	ND	<.05	ppb	Botanacor/TM19
Lead	ND	<.05	ppb	Botanacor/TM19
Mercury	ND	<.05	ppb	Botanacor/TM19
Microbial: Colorado Compliant		Specification		
Total Aerobic Count	ND	Non-Detect	(CFU/g)	Botanacor/TM24-28
Total Coliforms	ND	Non-Detect	(CFU/g)	Botanacor/TM24-28
Total Yeast/Molds	ND	Non-Detect	(CFU/g)	Botanacor/TM24-28
E. coli/E. coli (STEC)	Absent	Absent	(CFU/g)	Botanacor/TM24-28
Salmonella	Absent	Absent	(CFU/g)	Botanacor/TM24-28
Mycotoxin: Colorado Compliant		Specification		
Ochratoxin A	ND	ND	ppb	Botanacor/TM18
Aflatoxin B1, B2, G1, G2	ND	ND	ppb	Botanacor/TM18
Total Aflatoxin	ND	ND	ppb	Botanacor/TM18
Residual Solvents: Colorado Compliant		Specification		
All	ND	Non-Detect	ppb	Botanacor/TM04
Pesticides: Colorado Compliant		Specification		
All	ND	Non-Detect	ppb	Botanacor/TM17

Other Ingredients: **None**

QC Approval: Scott McWhorter 02/03/2022

Lot Traceability

CBD Oil Source Lot#	LNeD-O-30191		
Biomass Farm Source	8672/8382	Biomass Batch #	BH-8672/8382
CDA License #/year	103507/2021	103091/2020	
NOP (if applicable)	CDA-2580003897	CDA-400	

**LNeD-O-30191**

 Prepared for:  
**ROCKY MOUNTAIN  
 EXTRACTION SERVICES LLC**


Batch ID or Lot Number: <b>BH-8672/8382</b>	Test: <b>Potency</b>	Reported: <b>1/28/22</b>	Location: 861 AUTOMATION DRIVE WINDSOR, CO 80550
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Matrix: Concentrate	Test ID: T000189249	Started: 1/26/22	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 01/25/2022 @ 10:38 AM	Sampler ID: N/A
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## CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.134	0.442	ND	ND	N/A
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.152	0.499	ND	ND	
Cannabidiolic acid (CBDA)	0.190	0.512	ND	ND	
Cannabidiol (CBD)	0.185	0.499	81.941	819.41	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.167	0.550	ND	ND	
Cannabinolic Acid (CBNA)	0.096	0.315	ND	ND	
Cannabinol (CBN)	0.044	0.144	0.538	5.38	
Cannabigerolic acid (CBGA)	0.140	0.461	ND	ND	
Cannabigerol (CBG)	0.034	0.110	0.570	5.70	
Tetrahydrocannabivarinic Acid (THCVA)	0.119	0.390	ND	ND	
Tetrahydrocannabivarin (THCV)	0.030	0.100	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.079	0.214	ND	ND	
Cannabidivarin (CBDV)	0.044	0.118	ND	ND	
Cannabichromenic Acid (CBCA)	0.054	0.178	ND	ND	
Cannabichromene (CBC)	0.059	0.194	1.459	14.59	
<b>Total Cannabinoids</b>			<b>84.508</b>	<b>845.08</b>	
Total Potential THC**			ND	ND	
Total Potential CBD**			81.941	819.41	


 Ryan Weems  
 28-Jan-2022  
 03:38 PM

PREPARED BY / DATE


 Karen Winternheimer  
 28-Jan-22  
 3:49 PM

APPROVED BY / DATE

### Definitions

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

\* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

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

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

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

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

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

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.



CDPHE Certified



Certificate #4329.02

Prepared for:  
**ROCKY MOUNTAIN EXTRACTION SERVICES LLC**

**LNeD-O-30191**

Batch ID or Lot Number: <b>BH-8672/8382</b>	Test: <b>Metals</b>	Reported: <b>1/28/22</b>	Location: 861 AUTOMATION DRIVE WINDSOR, CO 80550
Matrix: Concentrate Co	Test ID: T000189252	Started: 1/27/22	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS); Heavy Metals (Colorado Panel)	Received: 01/25/2022 @ 10:38 AM	Sampler ID: N/A

### HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.046 - 4.61	ND	
Cadmium	0.046 - 4.62	ND	
Mercury	0.046 - 4.56	ND	
Lead	0.044 - 4.44	ND	

	Ryan Weems 28-Jan-22 1:43 PM		Sam Smith 28-Jan-22 2:01 PM
PREPARED BY / DATE		APPROVED BY / DATE	

#### Definitions

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

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**LNeD-O-30191**

 Prepared for:  
**ROCKY MOUNTAIN EXTRACTION SERVICES LLC**

Batch ID or Lot Number: <b>BH-8672/8382</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>1/31/22</b>	Location: 861 AUTOMATION DRIVE WINDSOR, CO 80550
Matrix: Concentrate	Test ID: T000189251	Started: 1/25/22	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 01/25/2022 @ 10:38 AM	Sampler ID: N/A

## MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
<b>Total Aerobic Count*</b>	TM-26, Culture Plating	10 <sup>2</sup> CFU/g	10 <sup>3</sup> CFU/g	1.5x10 <sup>5</sup> CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
<b>Total Coliforms*</b>	TM-27, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	None Detected	
<b>Total Yeast and Mold*</b>	TM-24, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	None Detected	
<b>E. coli (STEC)</b>	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
<b>Salmonella</b>	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	



 Jackson Osaghae-Nosa  
 1/31/2022  
 8:43:00 AM



 Eden Thompson-Wright  
 1/31/2022  
 10:03:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

### Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

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

 Examples:  
 10<sup>2</sup> = 100 CFU  
 10<sup>3</sup> = 1,000 CFU  
 10<sup>4</sup> = 10,000 CFU  
 10<sup>5</sup> = 100,000 CFU

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Prepared for:  
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**LNeD-O-30191**

Batch ID or Lot Number: <b>BH-8672/8382</b>	Test: <b>Mycotoxins</b>	Reported: <b>1/28/22</b>	Location: 861 AUTOMATION DRIVE WINDSOR, CO 80550
Matrix: Concentrate	Test ID: T000189254	Started: 1/26/22	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 01/25/2022 @ 10:38 AM	Sampler ID: N/A

### MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.3 - 136.4	ND	N/A
Aflatoxin B1	1 - 34.5	ND	
Aflatoxin B2	1.1 - 34.2	ND	
Aflatoxin G1	1.1 - 34.3	ND	
Aflatoxin G2	1.3 - 34.3	ND	
<b>Total Aflatoxins (B1, B2, G1, and G2)</b>		ND	

  
 Sam Smith  
 28-Jan-22  
 12:59 PM

PREPARED BY / DATE

  
 Ryan Weems  
 28-Jan-22  
 1:09 PM

APPROVED BY / DATE

#### Definitions

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

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**LNeD-O-30191**


 Prepared for:  
**ROCKY MOUNTAIN EXTRACTION  
 SERVICES LLC**

Batch ID or Lot Number: <b>BH-8672/8382</b>	Test: <b>Pesticides</b>	Reported: <b>2/1/22</b>	Location: 861 AUTOMATION DRIVE WINDSOR, CO 80550
Matrix: Concentrate	Test ID: T000189250	Started: 1/28/22	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 01/25/2022 @ 10:38 AM	Sampler ID: N/A

## PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	50	ND	Fenoxycarb	57	ND	Paclobutrazol	56	ND
Acetamiprid	53	ND	Fipronil	55	ND	Permethrin	233	ND
Avermectin	338	ND	Flonicamid	60	ND	Phosmet	63	ND
Azoxystrobin	61	ND	Fludioxonil	292	ND	Prophos	296	ND
Bifenazate	60	ND	Hexythiazox	52	ND	Propoxur	55	ND
Boscalid	50	ND	Imazalil	287	ND	Pyridaben	307	ND
Carbaryl	53	ND	Imidacloprid	52	ND	Spinosad A	45	ND
Carbofuran	55	ND	Kresoxim-methyl	150	ND	Spinosad D	51	ND
Chlorantraniliprole	54	ND	Malathion	292	ND	Spiromesifen	286	ND
Chlorpyrifos	500	ND	Metalaxyl	59	ND	Spirotetramat	299	ND
Clofentezine	286	ND	Methiocarb	53	ND	Spiroxamine 1	23	ND
Diazinon	309	ND	Methomyl	57	ND	Spiroxamine 2	28	ND
Dichlorvos	277	ND	MGK 264 1	154	ND	Tebuconazole	298	ND
Dimethoate	53	ND	MGK 264 2	110	ND	Thiacloprid	52	ND
E-Fenpyroximate	294	ND	Myclobutanil	58	ND	Thiamethoxam	50	ND
Etofenprox	56	ND	Naled	62	ND	Trifloxystrobin	56	ND
Etoxazole	302	ND	Oxamyl	1500	ND			

  
 Sam Smith  
 2/1/2022  
 11:21:00 AM

  
 Daniel Weidensaul  
 2/1/2022  
 1:28:00 PM

PREPARED BY / DATE

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### Definitions

LOQ = Limit of Quantification  
 ppb = Parts per Billion

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**LNeD-O-30191**


 Prepared for:  
**ROCKY MOUNTAIN EXTRACTION SERVICES LLC**

Batch ID or Lot Number: <b>BH-8672/8382</b>	Test: <b>Residual Solvents</b>	Reported: <b>1/27/22</b>	Location: 861 AUTOMATION DRIVE WINDSOR, CO 80550
Matrix: N/A	Test ID: T000189253	Started: 1/27/22	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 01/25/2022 @ 10:38 AM	Sampler ID: N/A

**RESIDUAL SOLVENTS DETERMINATION**

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
<b>Propane</b>	88 - 1753	*ND	
<b>Butanes</b> (Isobutane, n-Butane)	173 - 3461	*ND	
<b>Methanol</b>	61 - 1228	*ND	
<b>Pentane</b>	86 - 1726	*ND	
<b>Ethanol</b>	96 - 1917	*ND	
<b>Acetone</b>	96 - 1918	*ND	
<b>Isopropyl Alcohol</b>	102 - 2035	*ND	
<b>Hexane</b>	6 - 111	*ND	
<b>Ethyl Acetate</b>	97 - 1940	*ND	
<b>Benzene</b>	0.2 - 3.9	*ND	
<b>Heptanes</b>	92 - 1843	*ND	
<b>Toluene</b>	18 - 356	*ND	
<b>Xylenes</b> (m,p,o-Xylenes)	152 - 3045	*ND	


 Sam Smith  
 27-Jan-22  
 1:56 PM


 Ryan Weems  
 27-Jan-22  
 1:57 PM

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**Definitions**

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

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