



**ROCKY
MOUNTAIN
CBD OIL**

CERTIFICATE OF COMPLIANCE

Material:

Organic CBD Isolate

Lot # **ISOD-O-00013**

Manufacture Date:

8/6/2021

Delivered Lot Testing -ISOD-O-00013

Item	Result	Specification	Units	Lab/Method
Color	White	WHITE/OFF WHITE	N/A	N/A
Smell	NONE	ODORLESS	N/A	N/A
Total CBD	97.99%	>95%	%	Botanacor/TM-14
Total THC	ND	Non-Detect	%	Botanacor/TM-14
Potency	Result	Specification	Units	Lab/Method
THC<5%	PASS	THC<5%	ppm	Botanacor/TM04
Heavy Metals	Result	Specification	Units	Lab/Method
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	Result	Specification	Units	Lab/Method
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	Result	Specification	Units	Lab/Method
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	Result	Specification	Units	Lab/Method
All	ND	Non-Detect	ppb	Botanacor/TM04
Pesticides	Result	Specification	Units	Lab/Method
All	ND	Non-Detect	ppb	Botanacor/TM17

Other Ingredients: **None**

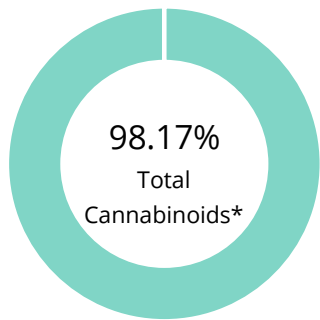
QC Approval: _____

S.A. Mico

ISOD-O-00013

Batch ID:		Test ID:	T000153327
Type:	Concentrate	Submitted:	07/23/2021 @ 09:10 AM
Test:	Potency	Started:	7/23/2021
Method:	TM14 (HPLC-DAD)	Reported:	7/26/2021

CANNABINOID PROFILE



CBD	97.99%
CBDa	0.00%
delta 9 THC	0.00%
THCa	0.00%

Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.14	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.16	ND	ND
Cannabidiolic acid (CBDA)	0.13	ND	ND
Cannabidiol (CBD)	0.13	97.99	979.9
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.17	ND	ND
Cannabinolic Acid (CBNA)	0.10	ND	ND
Cannabinol (CBN)	0.05	ND	ND
Cannabigerolic acid (CBGA)	0.14	ND	ND
Cannabigerol (CBG)	0.03	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.12	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	ND	ND
Cannabidivarinic Acid (CBDVA)	0.05	ND	ND
Cannabidivarin (CBDV)	0.03	0.18	1.8
Cannabichromenic Acid (CBCA)	0.06	ND	ND
Cannabichromene (CBC)	0.06	ND	ND
Total Cannabinoids		98.17	981.7
Total Potential THC**		ND	ND
Total Potential CBD**		97.99	979.9

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



 Daniel Weidensaul
26-Jul-2021
9:47 AM



 Rvan Weems
26-Jul-2021
9:48 AM

PREPARED BY / DATE

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

Prepared for:
ROCKY MOUNTAIN EXTRACTION SERVICES LLC
ISOD-O-00013

Batch ID or Lot Number: N/A	Test: Metals	Reported: 8/23/21	Location: 861 AUTOMATION DRIVE WINDSOR, CO 80550
Matrix: Other	Test ID: T000152146	Started: 7/20/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 07/15/2021 @ 10:14 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.050 - 4.97	ND	Revised certificate to reflect correct Dynamic Range and Results units of measurement (ppb to ppm). ppm is the correct unit of measurement and there are no changes to numerical results.
Cadmium	0.044 - 4.43	ND	
Mercury	0.045 - 4.46	ND	
Lead	0.044 - 4.41	ND	


 Ryan Weems
 23-Aug-21
 12:32 PM

PREPARED BY / DATE


 Daniel Weidensaul
 23-Aug-21
 1:12 PM

APPROVED BY / DATE

Definitions

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

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CDPHE Certified



Certificate #4329.02


ISOD-O-00013


 Prepared for:
ROCKY MOUNTAIN EXTRACTION SERVICES LLC

Batch ID or Lot Number: N/A	Test: Microbial Contaminants	Reported: 7/19/21	Location: 861 AUTOMATION DRIVE WINDSOR, CO 80550
Matrix: Finished Product	Test ID: T000152145	Started: 7/15/21	USDA License: N/A
Status: N/A	Methods: TM24, TM25, TM26, TM27: Microbial (Colorado Panel)	Received: 07/15/2021 @ 10:14 AM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	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	


 Robert Belfon
 19-Jul-21
 3:13 PM


 Brianne Maillot
 19-Jul-21
 6:32 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

CFU/g = Colony Forming Units per Gram | LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation
 * 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

ISOD-O-00013

Batch ID or Lot Number: N/A	Test: Mycotoxins	Reported: 7/20/21	Location: 861 AUTOMATION DRIVE WINDSOR, CO 80550
Matrix: Concentrate	Test ID: T000152148	Started: 7/19/21	USDA License: N/A
Status: N/A	Method: TM18: Mycotoxins (Colorado Panel)	Received: 07/15/2021 @ 10:14 AM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	12 - 376.2	ND	N/A
Aflatoxin B1	3 - 94.9	ND	
Aflatoxin B2	3.2 - 96.1	ND	
Aflatoxin G1	3.4 - 92.5	ND	
Aflatoxin G2	2.3 - 90.7	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


PREPARED BY / DATE
Sam Smith
20-Jul-21
7:41 AM


APPROVED BY / DATE
Alex Smith
20-Jul-21
4:03 PM

Definitions

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

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ISOD-O-00013


 Prepared for:
ROCKY MOUNTAIN EXTRACTION SERVICES LLC

Batch ID or Lot Number: N/A	Test: Residual Solvents	Reported: 7/23/21	Location: 861 AUTOMATION DRIVE WINDSOR, CO 80550
Matrix: N/A	Test ID: T000152147	Started: 7/23/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 07/15/2021 @ 10:14 AM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	81 - 1627	*ND	
Butanes (Isobutane, n-Butane)	158 - 3151	*ND	
Methanol	61 - 1222	*ND	
Pentane	88 - 1755	*ND	
Ethanol	93 - 1857	*ND	
Acetone	96 - 1922	*ND	
Isopropyl Alcohol	107 - 2143	*ND	
Hexane	6 - 121	*ND	
Ethyl Acetate	98 - 1959	*ND	
Benzene	0 - 4	*ND	
Heptanes	93 - 1870	*ND	
Toluene	18 - 354	*ND	
Xylenes (m,p,o-Xylenes)	129 - 2585	*ND	


 Taylor Brevik
 23-Jul-21
 1:41 PM


 Sam Smith
 23-Jul-21
 1:43 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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CDPHE Certified



Certificate #4329.02

ISOD-O-00013

Batch ID:		Test ID:	T000152144
Type:	Concentrate	Submitted:	07/15/2021 @ 10:14 AM
Test:	Pesticides	Started:	7/15/2021
Method:	TM17	Reported:	7/19/2021


PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	50 - 2532	ND*	Malathion	290 - 2532	ND*
Acetamiprid	50 - 2532	ND*	Metalaxyl	48 - 2532	ND*
Abamectin	>367	ND*	Methiocarb	44 - 2532	ND*
Azoxystrobin	48 - 2532	ND*	Methomyl	48 - 2532	ND*
Bifenazate	35 - 2532	ND*	MGK 264 1	170 - 2532	ND*
Boscalid	47 - 2532	ND*	MGK 264 2	111 - 2532	ND*
Carbaryl	43 - 2532	ND*	Myclobutanil	44 - 2532	ND*
Carbofuran	45 - 2532	ND*	Naled	52 - 2532	ND*
Chlorantraniliprole	46 - 2532	ND*	Oxamyl	46 - 2532	ND*
Chlorpyrifos	53 - 2532	ND*	Pacllobutrazol	49 - 2532	ND*
Clofentezine	280 - 2532	ND*	Permethrin	304 - 2532	ND*
Diazinon	287 - 2532	ND*	Phosmet	42 - 2532	ND*
Dichlorvos	>300	ND*	Prophos	309 - 2532	ND*
Dimethoate	46 - 2532	ND*	Propoxur	48 - 2532	ND*
E-Fenpyroximate	294 - 2532	ND*	Pyridaben	300 - 2532	ND*
Etofenprox	43 - 2532	ND*	Spinosad A	30 - 2532	ND*
Etoxazole	301 - 2532	ND*	Spinosad D	84 - 2532	ND*
Fenoxycarb	>49	ND*	Spiromesifen	>291	ND*
Fipronil	50 - 2532	ND*	Spirotetramat	>291	ND*
Flonicamid	54 - 2532	ND*	Spiroxamine 1	20 - 2532	ND*
Fludioxonil	>338	ND*	Spiroxamine 2	25 - 2532	ND*
Hexythiazox	41 - 2532	ND*	Tebuconazole	287 - 2532	ND*
Imazalil	307 - 2532	ND*	Thiacloprid	47 - 2532	ND*
Imidacloprid	49 - 2532	ND*	Thiamethoxam	47 - 2532	ND*
Kresoxim-methyl	49 - 2532	ND*	Trifloxystrobin	46 - 2532	ND*


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

N/A

FINAL APPROVAL


 Taylor Brevik
 19-Jul-2021
 11:43 AM

PREPARED BY / DATE


 Sam Smith
 19-Jul-2021
 12:16 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.