

Prepared for:

Karen Winternheimer

30-Dec-21

12:23 PM

## Organic 4% Blend CBD Organic Hemp Extract Pet.Releaf

Batch ID or Lot Number: O-1071-1216-RE-OFFB	Test: <b>Potency</b>	Reported: <b>12/30/21</b>	Location: 8100 Southpark Way Ste A3 Littelton, CO 80120
Matrix: Concentrate	Test ID: T000185034	Started: 12/29/21	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis (Colorado Panel)	Received: 12/29/2021 @ 09:34 AM	Sampler ID: N/A

## CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Note
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.014	0.044	ND	ND	Note
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.015	0.050	0.110	1.10	N/A
Cannabidiolic acid (CBDA)	0.016	0.058	0.051*	0.51*	
Cannabidiol (CBD)	0.016	0.057	4.163	41.63	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.017	0.055	ND	ND	
Cannabinolic Acid (CBNA)	0.010	0.032	ND	ND	
Cannabinol (CBN)	0.004	0.014	0.006*	0.06*	
Cannabigerolic acid (CBGA)	0.014	0.046	ND	ND	
Cannabigerol (CBG)	0.003	0.011	0.091	0.91	
Tetrahydrocannabivarinic Acid (THCVA)	0.012	0.039	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.010	0.004*	0.04*	
Cannabidivarinic Acid (CBDVA)	0.007	0.024	ND	ND	
Cannabidivarin (CBDV)	0.004	0.013	0.033	0.33	
Cannabichromenic Acid (CBCA)	0.005	0.018	ND	ND	
Cannabichromene (CBC)	0.006	0.020	0.255	2.55	
Total Cannabinoids			4.713	47.13	
Total Potential THC**			0.110	1.10	
Total Potential CBD**			4.208	42.08	

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#### Definitions

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

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

Sam Smith

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

decarboxylation step.

Total THC = THC + (THCa \*(0.877)) and

Total CBD = CBD + (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.







# CERTIFICATE OF ANALYSIS

Prepared for:

Organic 4% Blend CBD Organic Hemp Extract Pet.Releaf				
Batch ID or Lot Number: <b>O-1071-1216-RE-OFFB</b>	Test: <b>Pesticides</b>	Reported: <b>12/29/21</b>	Location: 8100 Southpark Way Ste A3 Littelton, CO 80120	
Matrix:	Test ID:	Started:	USDA License:	
Concentrate	t000183000	12/28/21	N/A	
Status:	Method:	Received:	Sampler ID:	
N/A	TM17(LC-QQQ LC MS/MS):	12/17/2021 @ 10:30 AM	N/A	

## **PESTICIDE** DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	40	ND	Fenoxycarb	44	ND	Paclobutrazol	41	ND
Acetamiprid	42	ND	Fipronil	40	ND	Permethrin	301	ND
Avermectin	388	ND	Flonicamid	39	ND	Phosmet	42	ND
Azoxystrobin	44	ND	Fludioxonil	287	ND	Prophos	284	ND
Bifenazate	41	ND	Hexythiazox	38	ND	Propoxur	41	ND
Boscalid	41	ND	Imazalil	291	ND	Pyridaben	299	ND
Carbaryl	34	ND	Imidacloprid	45	ND	Spinosad A	35	ND
Carbofuran	39	ND	Kresoxim-methyl	150	ND	Spinosad D	53	ND
Chlorantraniliprole	46	ND	Malathion	281	ND	Spiromesifen	282	ND
Chlorpyrifos	500	ND	Metalaxyl	44	ND	Spirotetramat	290	ND
Clofentezine	291	ND	Methiocarb	43	ND	Spiroxamine 1	17	ND
Diazinon	282	ND	Methomyl	43	ND	Spiroxamine 2	22	ND
Dichlorvos	292	ND	MGK 264 1	170	ND	Tebuconazole	284	ND
Dimethoate	41	ND	MGK 264 2	115	ND	Thiacloprid	40	ND
E-Fenpyroximate	292	ND	Myclobutanil	38	ND	Thiamethoxam	39	ND
Etofenprox	41	ND	Naled	40	ND	Trifloxystrobin	40	ND
Etoxazole	304	ND	Oxamyl	1500	ND			

Sam Smith 12/29/2021 9:54:00 AM PREPARED BY / DATE Sam Smith 12/29/2021 9:54:00 AM APPROVED BY / DATE Courtney Richards 12/29/2021 1:38:00 PM

#### Definitions

LOQ = Limit of Quantification ppb = Parts per Billion

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.





Prepared for:

Organic 4% Blend CBD Organic Hemp Extract Pet.Releaf				
Batch ID or Lot Number: O-1071-1216-RE- OFFB	Test: <b>Residual Solvents</b>	Reported: 12/22/21	Location: 8100 Southpark Way Ste A3 Littelton, CO 80120	
Matrix: N/A	Test ID: t000183003	Started: 12/21/21	USDA License: N/A	
Status: N/A	Methods: TM04 (GC-MS): Residual Solver (Colorado Panel)	Received: hts 12/17/2021 @ 10:30 AM	Sampler ID: N/A	

# **RESIDUAL SOLVENTS DETERMINATION**

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	92 - 1841	*ND	-
Butanes (Isobutane, n-Butane)	178 - 3555	*ND	
Methanol	60 - 1204	*ND	
Pentane	93 - 1860	*ND	
Ethanol	94 - 1884	*ND	
Acetone	101 - 2011	*ND	
Isopropyl Alcohol	101 - 2030	*ND	
Hexane	6 - 122	*ND	
Ethyl Acetate	101 - 2013	*ND	
Benzene	0.2 - 4.2	*ND	
Heptanes	97 - 1940	*ND	
Toluene	18 - 368	*ND	
Xylenes (m,p,o-Xylenes)	133 - 2670	*ND	

Hypen News	Ryan Weems 22-Dec-21 1:16 PM	Sawanthe Small	Sam Smith 22-Dec-21 1:21 PM
PREPARED BY / DATE		APPROVED BY / DATE	

#### Definitions

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



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Prepared for:

Batch ID or Lot Num O-1071-1216 OFFB	-RE- Micro	obial aminants		ported: <b>2/20/21</b>		Location: 8100 Southpark Way Ste A3 Littelton, CO 80120
Matrix: Concentrate	Test ID T00018			arted: /17/21		USDA License: N/A
Status: N/A MICROBIAL		PCR) /I26, TM27(Culture I (Colorado Panel)	12 Plating):	ceived: /17/2021 @ 10:30 ON	MA 0	Sampler ID: N/A
Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10^2 CFU/g	10^3 CFU/g	1.5x10^5 CFU/g	None Detected	
Total Coliforms*	TM-27, Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected	mildew, and foreign matter
Total Yeast and Mold*	TM-24, Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	-
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	_
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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:* 

10^2 = 100 CFU 10^3 = 1,000 CFU 10^4 = 10,000 CFU 10^5 = 100,000 CFU

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Prepared for:

Pet.Releaf

## Organic 4% Blend CBD Organic Hemp Extract

Batch ID or Lot Number: Test: Reported: Location: 8100 Southpark Way Ste O-1071-1216-RE-12/22/21 Metals A3 Littelton, CO 80120 **OFFB** Matrix: Test ID: Started: **USDA License:** Concentrate Co T000183002 12/20/21 N/A Status: Method: Received: Sampler ID: N/A TM19 (ICP-MS): Heavy Metals 12/17/2021 @ 10:30 AM N/A (Colorado Panel)

## HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	<b>Notes</b> 0
Arsenic	0.046 - 4.64	ND	0
Cadmium	0.049 - 4.88	ND	
Mercury	0.048 - 4.77	ND	
Lead	0.048 - 4.80	ND	
Ryan Wee Figur News 22-Dec-21 9:10 AM		Sam Smith 22-Dec-21 9:13 AM	

#### Definitions

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.





Prepared for:

Pet.Releaf

### **Organic 4% Blend CBD Organic Hemp Extract**

Batch ID or Lot Number: O-1071-1216-RE- OFFB	<sup>Test:</sup> Mycotoxins	Reported: <b>12/22/21</b>	Location: 8100 Southpark Way Ste A3 Littelton, CO 80120
Matrix: Concentrate	Test ID: T000183004	Started: 12/21/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 12/17/2021 @ 10:30 AM	Sampler ID: N/A

# **MYCOTOXIN** DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4.6 - 134.2	ND	N/A
Aflatoxin B1	1.1 - 35	ND	
Aflatoxin B2	1.1 - 34.9	ND	
Aflatoxin G1	1.1 - 35.2	ND	
Aflatoxin G2	1 - 33.9	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	
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Ryan Weems 22-Dec-21 9:45 AM

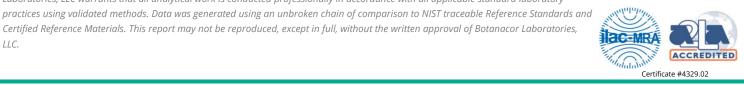
# PREPARED BY / DATE

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Definitions

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





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