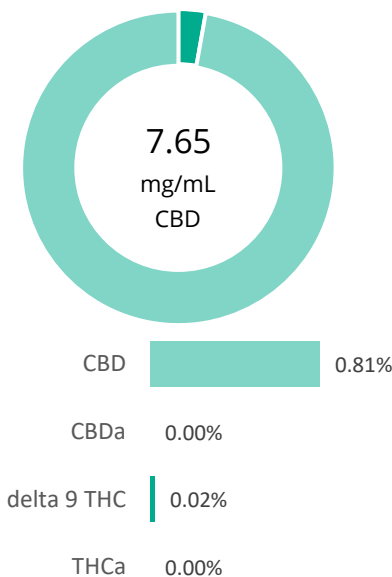


## Organic Hemp Oil 200mg

<b>Batch ID:</b>	1021T203	<b>Test ID:</b>	T000165185
<b>Type:</b>	Solution	<b>Submitted:</b>	09/23/2021 @ 09:50 AM
<b>Test:</b>	Potency	<b>Started:</b>	9/24/2021
<b>Method:</b>	TM14 (HPLC-DAD)	<b>Reported:</b>	9/27/2021

## CANNABINOID PROFILE



Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.13	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.15	0.22	0.2
Cannabidiolic acid (CBDA)	0.17	ND	ND
Cannabidiol (CBD)	0.16	7.65	8.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.16	ND	ND
Cannabinolic Acid (CBNA)	0.09	ND	ND
Cannabinol (CBN)	0.04	ND	ND
Cannabigerolic acid (CBGA)	0.14	ND	ND
Cannabigerol (CBG)	0.03	0.23	0.2
Tetrahydrocannabivarinic Acid (THCVA)	0.12	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	ND	ND
Cannabidivarinic Acid (CBDVA)	0.07	ND	ND
Cannabidivarin (CBDV)	0.04	0.05	0.1
Cannabichromenic Acid (CBCA)	0.05	ND	ND
Cannabichromene (CBC)	0.06	0.30	0.3
<b>Total Cannabinoids</b>		<b>8.45</b>	<b>8.9</b>
Total Potential THC**		0.22	0.2
Total Potential CBD**		7.65	8.1

% = % (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.

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

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

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

## NOTES:

Density = 0.945154g/mL



11:48 am, 10/01/2021

## FINAL APPROVAL

 Sam Smith  
 27-Sep-2021  
 4:29 PM



 Daniel Weidensaul  
 27-Sep-2021  
 4:34 PM

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

## Organic Hemp Oil 200mg

<b>Batch ID:</b>	1021T203	<b>Test ID:</b>	T000165187
<b>Matrix:</b>	Finished Product	<b>Received:</b>	09/23/2021 @ 09:50 AM
<b>Test:</b>	Microbial Contaminants	<b>Started:</b>	9/23/2021
<b>Method:</b>	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	<b>Reported:</b>	9/27/2021

## MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	LLOQ	ULOQ	Result
<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	<b>None Detected</b>
<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	<b>None Detected</b>
<b>Total Yeast and Molds*</b>	TM-24 Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	<b>None Detected</b>
<b>E. coli</b>	TM-28 Culture Plating	1 CFU/g	NA	NA	<b>Absent</b>
<b>E. coli (STEC)</b>	TM-25 PCR	1 CFU/g	NA	NA	<b>Absent</b>
<b>Salmonella</b>	TM-25 PCR	1 CFU/g	NA	NA	<b>Absent</b>

\* 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

## NOTES:

Free from visual mold, mildew, and foreign matter

## DEFINITIONS:

CFU/g = Colony Forming Units per Gram.

LOD = Limit of Detection

ULOQ = Upper Limit of Quantitation

LLOQ = Lower Limit of Quantitation

## FINAL APPROVAL




11:53 am, 10/01/2021

*Brianne Maillot*  
 Brianne Maillot  
 9/27/2021  
 2:44:00 PM

*Tori King*  
 Tori King  
 9/27/2021  
 4:00:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03


Prepared for:

**Organic Hemp Oil 200mg**
**PET RELEAF**


Batch ID or Lot Number: <b>1021T203</b>	Test: <b>Pesticides</b>	Reported: <b>9/29/21</b>	Location: 8100 SOUTHPARK WAY A3 LITTLETON, CO 80120
Matrix: Concentrate	Test ID: t000165186	Started: 9/28/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 09/23/2021 @ 09:50 AM	Sampler ID: N/A

**PESTICIDE DETERMINATION**

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	41	ND	Fenoxycarb	42	ND	Paclobutrazol	42	ND
Acetamiprid	40	ND	Fipronil	33	ND	Permethrin	287	ND
Avermectin	316	ND	Flonicamid	51	ND	Phosmet	43	ND
Azoxystrobin	43	ND	Fludioxonil	295	ND	Prophos	293	ND
Bifenazate	46	ND	Hexythiazox	47	ND	Propoxur	41	ND
Boscalid	54	ND	Imazalil	284	ND	Pyridaben	298	ND
Carbaryl	39	ND	Imidacloprid	42	ND	Spinosad A	35	ND
Carbofuran	41	ND	Kresoxim-methyl	150	ND	Spinosad D	54	ND
Chlorantraniliprole	53	ND	Malathion	299	ND	Spiromesifen	272	ND
Chlorpyrifos	500	ND	Metalaxyl	43	ND	Spirotetramat	305	ND
Clofentezine	285	ND	Methiocarb	42	ND	Spiroxamine 1	18	ND
Diazinon	290	ND	Methomyl	44	ND	Spiroxamine 2	24	ND
Dichlorvos	290	ND	MGK 264 1	160	ND	Tebuconazole	290	ND
Dimethoate	42	ND	MGK 264 2	136	ND	Thiacloprid	41	ND
E-Fenpyroximate	317	ND	Myclobutanil	40	ND	Thiamethoxam	43	ND
Etofenprox	44	ND	Naled	44	ND	Trifloxystrobin	43	ND
Etoxazole	307	ND	Oxamyl	1500	ND			

  
 Sam Smith  
 9/29/2021  
 5:13:00 PM

PREPARED BY / DATE

  
 Courtney Richards  
 9/29/2021  
 7:12:00 PM

APPROVED BY / DATE


**Definitions**

LOQ = Limit of Quantification  
 ppb = Parts per Billion

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Certificate #4329.02

Prepared for:

**Organic Hemp Oil 200mg**
**PET RELEAF**


Batch ID or Lot Number: <b>1021T203</b>	Test: <b>Residual Solvents</b>	Reported: <b>9/24/21</b>	Location: 8100 SOUTHPARK WAY A3 LITTLETON, CO 80120
Matrix: N/A	Test ID: T000165189	Started: 9/24/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 09/23/2021 @ 09:50 AM	Sampler ID: N/A

**RESIDUAL SOLVENTS DETERMINATION**

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
<b>Propane</b>	73 - 1458	*ND	
<b>Butanes</b> (Isobutane, n-Butane)	144 - 2888	*ND	
<b>Methanol</b>	60 - 1198	*ND	
<b>Pentane</b>	84 - 1680	*ND	
<b>Ethanol</b>	90 - 1805	*ND	
<b>Acetone</b>	100 - 2000	*ND	
<b>Isopropyl Alcohol</b>	105 - 2092	*ND	
<b>Hexane</b>	6 - 115	*ND	
<b>Ethyl Acetate</b>	100 - 1998	*ND	
<b>Benzene</b>	0 - 4	*ND	
<b>Heptanes</b>	92 - 1843	*ND	
<b>Toluene</b>	18 - 353	*ND	
<b>Xylenes</b> (m,p,o-Xylenes)	129 - 2571	*ND	


 Hannah Wright  
 24-Sep-21  
 2:50 PM

PREPARED BY / DATE


 Ryan Weems  
 24-Sep-21  
 3:11 PM

APPROVED BY / DATE



 A Meza

11:54 am, 10/01/2021

**Definitions**

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

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Certificate #4329.02


Prepared for:

**Organic Hemp Oil 200mg**
**PET RELEASEF**

Batch ID or Lot Number: <b>1021T203</b>	Test: <b>Metals</b>	Reported: <b>9/28/21</b>	Location: 8100 SOUTHPARK WAY A3 LITTLETON, CO 80120
Matrix: Unit	Test ID: T000165188	Started: 9/27/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS); Heavy Metals	Received: 09/23/2021 @ 09:50 AM	Sampler ID: N/A

**HEAVY METALS DETERMINATION**

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.046 - 4.65	ND	0
Cadmium	0.046 - 4.64	ND	
Mercury	0.044 - 4.40	ND	
Lead	0.048 - 4.79	ND	


 Ryan Weems  
 28-Sep-21  
 1:25 PM

PREPARED BY / DATE


 Sam Smith  
 28-Sep-21  
 1:50 PM

APPROVED BY / DATE



  
 A Meza

11:54 am, 10/01/2021

**Definitions**

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

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