

Prepared for: **Pet Releaf**
**Organic 4% Blend CBD Organic Hemp Extract**


Batch ID or Lot Number:	Test:	Reported:	Location:
<b>O-1102-0721-RE-OFFB</b>	<b>Potency</b>	<b>7/26/22</b>	8100 Southpark Way A-3 Littleton, Co 80120


Matrix:	Test ID:	Started:	USDA License:
Concentrate	T000215374	7/25/22	N/A

Status:	Method:	Received:	Sampler ID:
Active	TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis	07/22/2022 @ 03:11 PM	N/A

**CANNABINOID PROFILE**

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.019	0.049	ND	ND	N/A
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.021	0.056	0.108	1.08	
Cannabidiolic acid (CBDA)	0.023	0.058	0.079	0.79	
Cannabidiol (CBD)	0.022	0.057	3.997	39.97	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.023	0.061	ND	ND	
Cannabinolic Acid (CBNA)	0.013	0.035	ND	ND	
Cannabinol (CBN)	0.006	0.016	<LOQ	0.06	
Cannabigerolic acid (CBGA)	0.019	0.051	ND	ND	
Cannabigerol (CBG)	0.005	0.012	0.082	0.82	
Tetrahydrocannabivarinic Acid (THCVA)	0.016	0.043	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.011	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.010	0.024	ND	ND	
Cannabidivarin (CBDV)	0.005	0.013	0.033	0.33	
Cannabichromenic Acid (CBCA)	0.007	0.020	ND	ND	
Cannabichromene (CBC)	0.008	0.022	0.222	2.22	
<b>Total Cannabinoids</b>			<b>4.527</b>	<b>45.27</b>	
Total Potential THC**			0.108	1.08	
Total Potential CBD**			4.066	40.66	

 Kayla Phye  
26-Jul-22  
1:36 PM

 Jacob Miller  
26-Jul-22  
1:41 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

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

\*\* 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.



CDPHE Certified



Certificate #4329.02

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


Batch ID or Lot Number: <b>O-1102-0721-RE-OFFB</b>	Test: <b>Residual Solvents</b>	Reported: <b>7/26/22</b>	Location: 8100 Southpark Way A-3, Littleton Co 80120
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Matrix: N/A	Test ID: T000215378	Started: 7/25/22	USDA License: N/A
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Status: Active	Methods: TM04 (GC-MS): Residual Solvents	Received: 07/22/2022 @ 03:11 PM	Sampler ID: N/A
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**RESIDUAL SOLVENTS DETERMINATION**

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
<b>Propane</b>	73 - 1469	*ND	
<b>Butanes</b> (Isobutane, n-Butane)	157 - 3137	*ND	
<b>Methanol</b>	60 - 1192	*ND	
<b>Pentane</b>	90 - 1803	*ND	
<b>Ethanol</b>	97 - 1946	*ND	
<b>Acetone</b>	98 - 1959	*ND	
<b>Isopropyl Alcohol</b>	111 - 2228	*ND	
<b>Hexane</b>	7 - 132	*ND	
<b>Ethyl Acetate</b>	108 - 2163	*ND	
<b>Benzene</b>	0.2 - 3.8	*ND	
<b>Heptanes</b>	94 - 1887	*ND	
<b>Toluene</b>	18 - 353	*ND	
<b>Xylenes</b> (m,p,o-Xylenes)	134 - 2678	*ND	


 Sam Smith  
 26-Jul-22  
 10:31 AM


 Jacob Miller  
 26-Jul-22  
 10:34 AM

PREPARED BY / DATE

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**Definitions**

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

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Prepared for: **Pet Releaf**
**Organic 4% Blend CBD Organic Hemp Extract**


Batch ID or Lot Number: <b>O-1102-0721-RE-OFFB</b>	Test: <b>Metals</b>	Reported: <b>7/26/22</b>	Location: 8100 Southpark Way A-3, Littleton Co 80120
Matrix: Unit Co	Test ID: T000215377	Started: 7/25/22	USDA License: N/A
Status: Active	Method: TM19 (ICP-MS); Heavy Metals	Received: 07/22/2022 @ 03:11 PM	Sampler ID: N/A

**HEAVY METALS DETERMINATION**


Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.046 - 4.62	ND	
Cadmium	0.045 - 4.52	ND	
Mercury	0.045 - 4.54	ND	
Lead	0.045 - 4.47	ND	

**APPROVED**

Justin Thomson 07/27/2022  
NPD Quality Manager

 Sam Smith  
26-Jul-22  
11:20 AM

PREPARED BY / DATE

 Kayla Phye  
26-Jul-22  
11:56 AM

APPROVED BY / DATE

**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.



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