

Prepared for:  
**PET RELIEF**

8100 SOUTHPARK WAY A3  
LITTLETON, CO USA 80120

## HEMP EXTRACT TOPICAL - 50MG CBD

Batch ID or Lot Number: <b>0222CC02</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 5
Reported: <b>04Mar2022</b>	Started: 03Mar2022	Received: 02Mar2022	


### Heavy Metals

Test ID: T000196025  
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.45	ND	
Cadmium	0.04 - 4.40	ND	
Mercury	0.04 - 4.40	ND	
Lead	0.04 - 4.26	ND	

### Final Approval

  
Ryan Weems  
04Mar2022  
11:35:00 AM MST  
PREPARED BY / DATE

  
Sam Smith  
04Mar2022  
11:38:00 AM MST  
APPROVED BY / DATE

**APPROVED**

Justin Thomson 04/27/2022  
NPD & Quality Manager

Prepared for:  
**PET RELIEF**

8100 SOUTHPARK WAY A3  
LITTLETON, CO USA 80120

## HEMP EXTRACT TOPICAL - 50MG CBD

Batch ID or Lot Number: <b>0222CC02</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 2 of 5
Reported: <b>04Mar2022</b>	Started: 03Mar2022	Received: 02Mar2022	


### Pesticides


Test ID: T000196023

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	289 - 2640	ND		Malathion	281 - 2743	ND
Acephate	46 - 2835	ND		Metalaxyl	47 - 2720	ND
Acetamiprid	36 - 2772	ND		Methiocarb	43 - 2654	ND
Azoxystrobin	46 - 2696	ND		Methomyl	43 - 2776	ND
Bifenazate	42 - 2669	ND		MGK 264 1	181 - 1611	ND
Boscalid	61 - 2650	ND		MGK 264 2	131 - 1090	ND
Carbaryl	40 - 2720	ND		Myclobutanil	42 - 2588	ND
Carbofuran	42 - 2674	ND		Naled	44 - 2738	ND
Chlorantraniliprole	42 - 2669	ND		Oxamyl	45 - 2740	ND
Chlorpyrifos	45 - 2713	ND		Paclobutrazol	48 - 2614	ND
Clofentezine	296 - 2575	ND		Permethrin	306 - 2736	ND
Diazinon	275 - 2715	ND		Phosmet	46 - 2770	ND
Dichlorvos	281 - 2810	ND		Prophos	257 - 2699	ND
Dimethoate	41 - 2749	ND		Propoxur	41 - 2737	ND
E-Fenpyroximate	291 - 2717	ND		Pyridaben	297 - 2705	ND
Etofenprox	44 - 2713	ND		Spinosad A	32 - 2250	ND
Etoxazole	294 - 2711	ND		Spinosad D	44 - 501	ND
Fenoxycarb	43 - 2725	ND		Spiromesifen	272 - 2768	ND
Fipronil	29 - 2620	ND		Spirotetramat	310 - 2731	ND
Flonicamid	43 - 2678	ND		Spiroxamine 1	16 - 1123	ND
Fludioxonil	290 - 2675	ND		Spiroxamine 2	22 - 1503	ND
Hexythiazox	43 - 2722	ND		Tebuconazole	290 - 2698	ND
Imazalil	254 - 2808	ND		Thiacloprid	37 - 2796	ND
Imidacloprid	48 - 2760	ND		Thiamethoxam	43 - 2752	ND
Kresoxim-methyl	54 - 2787	ND		Trifloxystrobin	44 - 2713	ND

### Final Approval

  
Daniel Weidensaul  
04Mar2022  
03:18:00 PM MST  
PREPARED BY / DATE

  
Karen Winternheimer  
04Mar2022  
03:24:00 PM MST  
APPROVED BY / DATE

**APPROVED**

Justin Thomson 04/27/2022  
NPD & Quality Manager

Prepared for:  
**PET RELIEF**8100 SOUTHPARK WAY A3  
LITTLETON, CO USA 80120**HEMP EXTRACT TOPICAL - 50MG CBD**


Batch ID or Lot Number: <b>0222CC02</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 3 of 5
Reported: <b>04Mar2022</b>	Started: 03Mar2022	Received: 02Mar2022	

**Cannabinoids**


Test ID: T000196022

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	5.768	19.438	ND	ND	# of Servings = 1, Sample Weight=30g
Cannabichromenic Acid (CBCA)	5.276	17.779	ND	ND	
Cannabidiol (CBD)	18.061	50.933	60.890	2.00	
Cannabidiolic Acid (CBDA)	18.524	52.240	ND	ND	
Cannabidivarin (CBDV)	4.272	12.046	ND	ND	
Cannabidivarinic Acid (CBDVA)	7.727	21.792	ND	ND	
Cannabigerol (CBG)	3.275	11.036	ND	ND	
Cannabigerolic Acid (CBGA)	13.691	46.136	ND	ND	
Cannabinol (CBN)	4.272	14.398	ND	ND	
Cannabinolic Acid (CBNA)	9.341	31.477	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	16.310	54.964	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	14.813	49.917	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	13.124	44.227	ND	ND	
Tetrahydrocannabivarin (THCV)	2.979	10.038	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	11.576	39.010	ND	ND	
<b>Total Cannabinoids</b>			<b>60.890</b>	<b>2.03</b>	
Total Potential THC			ND	ND	
Total Potential CBD			60.890	2.03	

**Final Approval**

Hannah Wright  
05Mar2022  
05:09:00 PM MST  
PREPARED BY / DATE



Daniel Weidensaul  
05Mar2022  
05:16:00 PM MST  
APPROVED BY / DATE

**APPROVED**Justin Thomson 04/27/2022  
NPD & Quality Manager

Prepared for:

**PET RELIEF**8100 SOUTHPARK WAY A3  
LITTLETON, CO USA 80120**HEMP EXTRACT TOPICAL - 50MG CBD**

Batch ID or Lot Number: <b>0222CC02</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 4 of 5
Reported: <b>04Mar2022</b>	Started: 03Mar2022	Received: 02Mar2022	

**Residual Solvents**

Test ID: T000196026


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	104 - 2073	ND	
Butanes (Isobutane, n-Butane)	209 - 4183	ND	
Methanol	61 - 1224	ND	
Pentane	110 - 2192	ND	
Ethanol	88 - 1751	ND	
Acetone	107 - 2143	ND	
Isopropyl Alcohol	99 - 1983	ND	
Hexane	7 - 150	ND	
Ethyl Acetate	115 - 2297	ND	
Benzene	0.2 - 4.3	ND	
Heptanes	111 - 2212	ND	
Toluene	18 - 351	ND	
Xylenes (m,p,o-Xylenes)	115 - 2309	ND	

**Final Approval**

Hannah Wright  
05Mar2022  
05:23:00 PM MST

PREPARED BY / DATE



Daniel Weidensaul  
05Mar2022  
05:29:00 PM MST

APPROVED BY / DATE

**APPROVED**Justin Thomson 04/27/2022  
NPD & Quality Manager

Prepared for:  
**PET RELEASE**

 8100 SOUTHPARK WAY A3  
 LITTLETON, CO USA 80120

**HEMP EXTRACT TOPICAL – 50MG CBD**

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Reported: <b>04Mar2022</b>	Started: 03Mar2022	Received: 02Mar2022	

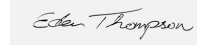
**Microbial Contaminants**

Test ID: T000196024

Methods: TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/g	NA	Absent	None Detected
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	None Detected
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

**Final Approval**
  
 Brianne Maillot  
 05Mar2022  
 01:55:00 PM MST  
 PREPARED BY / DATE

  
 Eden Thompson-Wright  
 07Mar2022  
 09:00:00 AM MST  
 APPROVED BY / DATE

**APPROVED**

 Justin Thomson 04/27/2022  
 NPD & Quality Manager

<https://results.botanacor.com/api/v1/coas/uuid/b0ce54b8-5d06-4bfc-b1bc-30ca23561fcf>

**Definitions**  
 LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa \*(0.877)) and Total CBD = CBD + (CBDa \*(0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC 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)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. 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.

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 17025:2017 Accredited by A2LA. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).


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