

Prepared for:  
**Pet Relief**

8100 Southpark Way  
Littleton, CO USA 80120

## HEMP EXTRACT TOPICAL - 50mg CBD

Batch ID or Lot Number: <b>0923CC05</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 6
Reported: <b>27Oct2023</b>	Started: 27Oct2023	Received: 26Oct2023	


### Cannabinoids - Colorado Compliance


Test ID: T000260156

Methods: TM14 (HPLC-DAD): Potency - Standard

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.352	4.404	<LOQ	<LOQ	# of Servings = 1 Sample Weight=30g
Cannabichromenic Acid (CBCA)	1.236	4.028	ND	ND	
Cannabidiol (CBD)	4.389	11.483	69.096	2.30	
Cannabidiolic Acid (CBDA)	4.502	11.778	ND	ND	
Cannabidivarin (CBDV)	1.038	2.716	ND	ND	
Cannabidivarinic Acid (CBDVA)	1.878	4.913	ND	ND	
Cannabigerol (CBG)	0.767	2.500	ND	ND	
Cannabigerolic Acid (CBGA)	3.208	10.453	ND	ND	
Cannabinol (CBN)	1.001	3.262	ND	ND	
Cannabinolic Acid (CBNA)	2.189	7.132	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	3.822	12.453	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	3.471	11.310	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	3.075	10.021	ND	ND	
Tetrahydrocannabivarin (THCV)	0.698	2.274	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	2.712	8.839	ND	ND	
<b>Total Cannabinoids</b>			<b>69.096</b>	<b>2.30</b>	
Total Potential THC			ND	ND	
Total Potential CBD			69.096	2.30	

#### Final Approval

  
Sam Smith  
27Oct2023  
02:56:00 PM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
27Oct2023  
03:02:00 PM MDT  
APPROVED BY / DATE

Approved: Paul Gennings QC 10-27-23

Prepared for:  
**Pet Releaf**

8100 Southpark Way  
Littleton, CO USA 80120

## HEMP EXTRACT TOPICAL - 50mg CBD

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### Microbial Contaminants - Colorado Compliance

Test ID: T000260158  
Methods: TM25 (qPCR) TM24, TM26,  
TM27 (Culture Plating): Microbial  
(Colorado Panel)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	
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	
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



Brett Hudson  
29Oct2023  
01:44:00 PM MDT

PREPARED BY / DATE



Eden Thompson-Wright  
30Oct2023  
09:40:00 AM MDT

APPROVED BY / DATE

Prepared for:  
**Pet Relief**

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Littleton, CO USA 80120

## HEMP EXTRACT TOPICAL - 50mg CBD

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### Residual Solvents - Colorado Compliance

Test ID: T000260160


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	98 - 1960	ND	
Butanes (Isobutane, n-Butane)	193 - 3853	ND	
Methanol	65 - 1302	ND	
Pentane	100 - 2004	ND	
Ethanol	104 - 2079	ND	
Acetone	104 - 2075	ND	
Isopropyl Alcohol	113 - 2261	ND	
Hexane	6 - 128	ND	
Ethyl Acetate	107 - 2131	ND	
Benzene	0.2 - 4.2	ND	
Heptanes	102 - 2050	ND	
Toluene	19 - 381	ND	
Xylenes (m,p,o-Xylenes)	139 - 2789	ND	

### Final Approval

  
Karen Winternheimer  
31Oct2023  
09:08:00 AM MDT

PREPARED BY / DATE

  
Sam Smith  
31Oct2023  
09:10:00 AM MDT

APPROVED BY / DATE

Prepared for:  
**Pet Releaf**

8100 Southpark Way  
Littleton, CO USA 80120

## HEMP EXTRACT TOPICAL - 50mg CBD

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## Heavy Metals - Colorado Compliance


Test ID: T000260159

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.53	ND	
Cadmium	0.04 - 4.49	ND	
Mercury	0.05 - 4.67	ND	
Lead	0.05 - 4.66	ND	

### Final Approval

  
Sam Smith  
31Oct2023  
12:59:00 PM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
31Oct2023  
01:03:00 PM MDT  
APPROVED BY / DATE

Prepared for:  
**Pet Releaf**

8100 Southpark Way  
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### Pesticides


Test ID: T000260157

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	280 - 2633	ND		Malathion	280 - 2694	ND
Acephate	44 - 2726	ND		Metalaxyl	45 - 2716	ND
Acetamiprid	42 - 2696	ND		Methiocarb	42 - 2738	ND
Azoxystrobin	44 - 2725	ND		Methomyl	44 - 2787	ND
Bifenazate	45 - 2683	ND		MGK 264 1	167 - 1596	ND
Boscalid	41 - 2756	ND		MGK 264 2	113 - 1076	ND
Carbaryl	42 - 2678	ND		Myclobutanil	82 - 2696	ND
Carbofuran	43 - 2680	ND		Naled	46 - 2599	ND
Chlorantraniliprole	41 - 2731	ND		Oxamyl	42 - 2797	ND
Chlorpyrifos	37 - 2750	ND		Paclobutrazol	45 - 2666	ND
Clofentezine	281 - 2720	ND		Permethrin	288 - 2753	ND
Diazinon	278 - 2696	ND		Phosmet	45 - 2590	ND
Dichlorvos	273 - 2730	ND		Prophos	287 - 2730	ND
Dimethoate	45 - 2746	ND		Propoxur	45 - 2688	ND
E-Fenpyroximate	291 - 2780	ND		Pyridaben	293 - 2762	ND
Etofenprox	43 - 2749	ND		Spinosad A	32 - 2094	ND
Etoxazole	289 - 2678	ND		Spinosad D	66 - 682	ND
Fenoxycarb	46 - 2662	ND		Spiromesifen	270 - 2752	ND
Fipronil	48 - 2776	ND		Spirotetramat	274 - 2726	ND
Flonicamid	46 - 2769	ND		Spiroxamine 1	16 - 1042	ND
Fludioxonil	282 - 2702	ND		Spiroxamine 2	25 - 1597	ND
Hexythiazox	39 - 2771	ND		Tebuconazole	284 - 2713	ND
Imazalil	252 - 2769	ND		Thiacloprid	46 - 2759	ND
Imidacloprid	47 - 2780	ND		Thiamethoxam	45 - 2797	ND
Kresoxim-methyl	43 - 2742	ND		Trifloxystrobin	46 - 2702	ND

### Final Approval

  
Karen Winternheimer  
31Oct2023  
11:00:00 AM MDT  
PREPARED BY / DATE

  
Sam Smith  
31Oct2023  
11:02:00 AM MDT  
APPROVED BY / DATE

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## HEMP EXTRACT TOPICAL - 50mg CBD

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Approved: Paul Gennings QC 10-27-23



<https://results.botanacor.com/api/v1/coas/uuid/f6afa490-85d3-4b4d-ae41-d101af674f82>

**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 SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. 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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