

Prepared for:  
**Pet Releaf**

8100 Southpark Way  
Littleton, CO USA 80120

## Organic Hemp Oil 750mg

Batch ID or Lot Number: <b>1023T408</b>	Test, Test ID and Methods: Various	Matrix: Unit Co	Page 1 of 3
Reported: <b>02Nov2023</b>	Started: 02Nov2023	Received: 31Oct2023	


## Heavy Metals - Colorado Compliance


Test ID: T000260565

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.32	ND	
Cadmium	0.05 - 4.62	ND	
Mercury	0.04 - 4.43	ND	
Lead	0.06 - 5.58	ND	

### Final Approval

  
Sam Smith  
02Nov2023  
01:02:00 PM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
02Nov2023  
01:12:00 PM MDT  
APPROVED BY / DATE

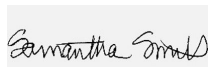
## Cannabinoids - Colorado Compliance


Test ID: T000260562

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

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.750	5.016	26.634	0.95	# of Servings = 1 Sample Weight=28g
Cannabichromenic Acid (CBCA)	1.600	4.588	ND	ND	
Cannabidiol (CBD)	5.534	14.212	850.011	30.36	
Cannabidiolic Acid (CBDA)	5.676	14.577	<LOQ	<LOQ	
Cannabidivarin (CBDV)	1.309	3.361	16.414	0.59	
Cannabidivarinic Acid (CBDVA)	2.368	6.081	ND	ND	
Cannabigerol (CBG)	0.993	2.848	15.382	0.55	
Cannabigerolic Acid (CBGA)	4.153	11.906	ND	ND	
Cannabinol (CBN)	1.296	3.716	ND	ND	
Cannabinolic Acid (CBNA)	2.833	8.123	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	4.947	14.184	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	4.493	12.882	21.704	0.78	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	3.981	11.413	ND	ND	
Tetrahydrocannabivarin (THCV)	0.904	2.591	<LOQ	<LOQ	
Tetrahydrocannabivarinic Acid (THCVA)	3.511	10.067	ND	ND	
<b>Total Cannabinoids</b>			<b>930.145</b>	<b>33.23</b>	
Total Potential THC			21.704	0.78	
Total Potential CBD			850.011	30.36	

### Final Approval

  
Sam Smith  
02Nov2023  
12:29:00 PM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
02Nov2023  
12:36:00 PM MDT  
APPROVED BY / DATE

Approved: Paul Gennings QC 11-02-23

Prepared for:  
**Pet Releaf**

8100 Southpark Way  
Littleton, CO USA 80120

## Organic Hemp Oil 750mg

Batch ID or Lot Number: <b>1023T408</b>	Test, Test ID and Methods: Various	Matrix: Unit Co	Page 2 of 3
Reported: <b>02Nov2023</b>	Started: 02Nov2023	Received: 31Oct2023	


## Residual Solvents - Colorado Compliance

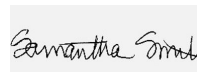
Test ID: T000260566

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	94 - 1888	ND	
Butanes (Isobutane, n-Butane)	186 - 3720	ND	
Methanol	63 - 1261	ND	
Pentane	97 - 1941	ND	
Ethanol	97 - 1947	ND	
Acetone	101 - 2016	ND	
Isopropyl Alcohol	106 - 2119	ND	
Hexane	6 - 123	ND	
Ethyl Acetate	103 - 2056	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	99 - 1982	ND	
Toluene	18 - 366	ND	
Xylenes (m,p,o-Xylenes)	133 - 2666	ND	

### Final Approval

  
Karen Winternheimer  
02Nov2023  
02:35:00 PM MDT  
PREPARED BY / DATE

  
Sam Smith  
02Nov2023  
02:37:00 PM MDT  
APPROVED BY / DATE

Prepared for:  
**Pet Relief**

8100 Southpark Way  
Littleton, CO USA 80120

## Organic Hemp Oil 750mg

Batch ID or Lot Number: <b>1023T408</b>	Test, Test ID and Methods: Various	Matrix: Unit Co	Page 3 of 3
Reported: <b>02Nov2023</b>	Started: 02Nov2023	Received: 31Oct2023	

## Microbial Contaminants - Colorado Compliance

Test ID: T000260564  
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  
03Nov2023  
09:20:00 AM MDT

PREPARED BY / DATE



Brianne Maillot  
03Nov2023  
10:35:00 AM MDT

APPROVED BY / DATE

Approved: Paul Gennings  
QC 11-02-23



<https://results.botanacor.com/api/v1/coas/uuid/c9b7bae4-3451-44c4-930c-d8980616cb73>

**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](#).



Cert #4329.02  
c9b7bae4345144c4930cd8980616cb73.1

Prepared for:

## Pet Releaf

8100 Southpark Way #A3  
Littleton, CO USA 80120

### 500 mg - Daily Releaf

Batch ID or Lot Number: <b>1223T514</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 2 of 6
Reported: <b>04Dec2023</b>	Started: 01Dec2023	Received: 01Dec2023	


### Cannabinoids - Colorado Compliance


Test ID: T000263590

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

Cannabinoid Analysis	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.066	0.225	0.530	0.56	Density = 0.945g/mL
Cannabichromenic Acid (CBCA)	0.061	0.206	ND	ND	
Cannabidiol (CBD)	0.226	0.537	18.221	19.28	
Cannabidiolic Acid (CBDA)	0.232	0.551	ND	ND	
Cannabidivarin (CBDV)	0.054	0.127	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.097	0.230	ND	ND	
Cannabigerol (CBG)	0.038	0.128	0.135	0.14	
Cannabigerolic Acid (CBGA)	0.158	0.534	ND	ND	
Cannabinol (CBN)	0.049	0.167	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.108	0.365	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.188	0.637	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.171	0.578	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.151	0.512	ND	ND	
Tetrahydrocannabivarin (THCV)	0.034	0.116	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.133	0.452	ND	ND	
<b>Total Cannabinoids</b>			<b>18.886</b>	<b>19.98</b>	
Total Potential THC			ND	ND	
Total Potential CBD			18.221	19.28	

#### Final Approval

  
Sam Smith  
05Dec2023  
11:55:00 AM MST  
PREPARED BY / DATE

  
Karen Winternheimer  
05Dec2023  
12:04:00 PM MST  
APPROVED BY / DATE


### Heavy Metals - Colorado Compliance


Test ID: T000263593

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.61	ND	
Cadmium	0.05 - 4.52	ND	
Mercury	0.05 - 4.50	ND	
Lead	0.05 - 4.79	ND	

#### Final Approval

  
Sam Smith  
06Dec2023  
02:47:00 PM MST  
PREPARED BY / DATE

  
Karen Winternheimer  
06Dec2023  
02:52:00 PM MST  
APPROVED BY / DATE

Prepared for:

**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## 500 mg - Daily Releaf

Batch ID or Lot Number: <b>1223T514</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 6
Reported: <b>04Dec2023</b>	Started: 01Dec2023	Received: 01Dec2023	

## Microbial Contaminants - Colorado Compliance

Test ID: T000263592

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



Eden Thompson-Wright  
04Dec2023  
02:15:00 PM MST

PREPARED BY / DATE



Brianne Maillot  
04Dec2023  
03:09:00 PM MST

APPROVED BY / DATE

Prepared for:

## Pet Releaf

8100 Southpark Way #A3  
Littleton, CO USA 80120

### 500 mg - Daily Releaf

Batch ID or Lot Number: <b>1223T514</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 3 of 6
Reported: <b>04Dec2023</b>	Started: 01Dec2023	Received: 01Dec2023	


### Residual Solvents - Colorado Compliance


Test ID: T000263594

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	81 - 1619	ND	
Butanes (Isobutane, n-Butane)	158 - 3164	ND	
Methanol	54 - 1079	ND	
Pentane	86 - 1718	ND	
Ethanol	90 - 1793	ND	
Acetone	91 - 1828	ND	
Isopropyl Alcohol	102 - 2030	ND	
Hexane	6 - 110	ND	
Ethyl Acetate	93 - 1867	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	89 - 1780	ND	
Toluene	17 - 340	ND	
Xylenes (m,p,o-Xylenes)	125 - 2497	ND	

### Final Approval

  
Karen Winternheimer  
06Dec2023  
12:42:00 PM MST  
PREPARED BY / DATE

  
Sam Smith  
06Dec2023  
12:44:00 PM MST  
APPROVED BY / DATE

Prepared for:  
**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## 500 mg - Daily Releaf


Batch ID or Lot Number: <b>1223T514</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 4 of 6
Reported: <b>04Dec2023</b>	Started: 01Dec2023	Received: 01Dec2023	


## Mycotoxins - Colorado Compliance

Test ID: T000263595  
Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.90 - 134.08	ND	N/A
Aflatoxin B1	1.06 - 33.82	ND	
Aflatoxin B2	0.96 - 34.28	ND	
Aflatoxin G1	1.06 - 34.15	ND	
Aflatoxin G2	1.13 - 34.75	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### Final Approval

 Karen Winternheimer  
07Dec2023  
12:55:00 PM MST  
PREPARED BY / DATE

 Sam Smith  
07Dec2023  
12:56:00 PM MST  
APPROVED BY / DATE

Prepared for:  
**Pet Relief**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## 500 mg - Daily Relief

Batch ID or Lot Number: <b>1223T514</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 5 of 6
Reported: <b>04Dec2023</b>	Started: 01Dec2023	Received: 01Dec2023	


## Pesticides


Test ID: T000263591

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	329 - 2679	ND		Malathion	279 - 2664	ND
Acephate	48 - 2797	ND		Metalaxyl	47 - 2702	ND
Acetamiprid	45 - 2749	ND		Methiocarb	49 - 2697	ND
Azoxystrobin	44 - 2707	ND		Methomyl	45 - 2816	ND
Bifenazate	47 - 2673	ND		MGK 264 1	160 - 1609	ND
Boscalid	47 - 2696	ND		MGK 264 2	106 - 1064	ND
Carbaryl	44 - 2731	ND		Myclobutanil	18 - 2637	ND
Carbofuran	43 - 2710	ND		Naled	41 - 2708	ND
Chlorantraniliprole	48 - 2723	ND		Oxamyl	47 - 2800	ND
Chlorpyrifos	21 - 2701	ND		Paclobutrazol	43 - 2733	ND
Clofentezine	256 - 2706	ND		Permethrin	293 - 2660	ND
Diazinon	272 - 2700	ND		Phosmet	41 - 2545	ND
Dichlorvos	288 - 2784	ND		Prophos	304 - 2654	ND
Dimethoate	46 - 2763	ND		Propoxur	42 - 2715	ND
E-Fenpyroximate	290 - 2716	ND		Pyridaben	282 - 2693	ND
Etofenprox	41 - 2674	ND		Spinosad A	29 - 2107	ND
Etoxazole	292 - 2599	ND		Spinosad D	61 - 656	ND
Fenoxycarb	21 - 2706	ND		Spiromesifen	268 - 2623	ND
Fipronil	48 - 2760	ND		Spirotetramat	283 - 2740	ND
Flonicamid	49 - 2803	ND		Spiroxamine 1	16 - 1001	ND
Fludioxonil	316 - 2666	ND		Spiroxamine 2	28 - 1579	ND
Hexythiazox	46 - 2661	ND		Tebuconazole	293 - 2678	ND
Imazalil	265 - 2718	ND		Thiacloprid	46 - 2782	ND
Imidacloprid	48 - 2888	ND		Thiamethoxam	45 - 2802	ND
Kresoxim-methyl	46 - 2702	ND		Trifloxystrobin	42 - 2738	ND

## Final Approval

  
 Karen Winternheimer  
 08Dec2023  
 10:17:00 AM MST  
 PREPARED BY / DATE

  
 Sam Smith  
 08Dec2023  
 10:24:00 AM MST  
 APPROVED BY / DATE



Prepared for:  
**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## 500 mg - Daily Releaf

Batch ID or Lot Number: <b>1223T514</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 6 of 6
Reported: <b>04Dec2023</b>	Started: 01Dec2023	Received: 01Dec2023	



<https://results.botanacor.com/api/v1/coas/uuid/f883b176-a06b-4bb2-8b21-b4e314b36a11>

**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](#).



Cert #4329.02  
f883b176a06b4bb28b21b4e314b36a11.1

Prepared for:  
**PET RELEASE**

8100 SOUTHPARK WAY  
LITTLETON, CO USA 80120

## Organic Hemp Oil 200mg

Batch ID or Lot Number: <b>1123T214</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 5
Reported: <b>20Nov2023</b>	Started: 20Nov2023	Received: 17Nov2023	

## Cannabinoids - Colorado Compliance

Approved: Paul Gennings QC 11-20-23


Test ID: T000262446

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

Cannabinoid Analysis

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.659	6.027	6.952	0.25	# of Servings = 1
Cannabichromenic Acid (CBCA)	1.518	5.513	ND	ND	Sample Weight=28g
Cannabidiol (CBD)	5.185	13.504	214.793	7.67	
Cannabidiolic Acid (CBDA)	5.318	13.850	ND	ND	
Cannabidivarin (CBDV)	1.226	3.194	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	2.219	5.778	ND	ND	
Cannabigerol (CBG)	0.942	3.422	5.020	0.18	
Cannabigerolic Acid (CBGA)	3.939	14.306	ND	ND	
Cannabinol (CBN)	1.229	4.464	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	2.687	9.760	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	4.692	17.043	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	4.261	15.478	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	3.776	13.714	ND	ND	
Tetrahydrocannabivarin (THCV)	0.857	3.113	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	3.330	12.096	ND	ND	
<b>Total Cannabinoids</b>			<b>226.765</b>	<b>8.10</b>	
Total Potential THC			<LOQ	<LOQ	
Total Potential CBD			214.793	7.67	

### Final Approval

  
Sam Smith  
20Nov2023  
01:10:00 PM MST  
PREPARED BY / DATE

  
Karen Winternheimer  
20Nov2023  
01:19:00 PM MST  
APPROVED BY / DATE

Prepared for:  
**PET RELEASE**

8100 SOUTHPARK WAY  
LITTLETON, CO USA 80120

## Organic Hemp Oil 200mg

Batch ID or Lot Number: <b>1123T214</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 2 of 5
Reported: <b>20Nov2023</b>	Started: 20Nov2023	Received: 17Nov2023	

## Microbial Contaminants - Colorado Compliance

Test ID: T000262448  
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

  
Brianne Maillot  
20Nov2023  
04:20:00 PM MST

  
APPROVED BY / DATE

Brett Hudson  
21Nov2023  
05:01:00 PM MST

Prepared for:  
**PET RELIEF**

8100 SOUTHPARK WAY  
LITTLETON, CO USA 80120

## Organic Hemp Oil 200mg

Batch ID or Lot Number: <b>1123T214</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 3 of 5
Reported: <b>20Nov2023</b>	Started: 20Nov2023	Received: 17Nov2023	


## Pesticides


Test ID: T000262447

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	308 - 2713	ND		Malathion	294 - 2663	ND
Acephate	58 - 2734	ND		Metalaxyl	61 - 2723	ND
Acetamiprid	59 - 2660	ND		Methiocarb	62 - 2711	ND
Azoxystrobin	63 - 2666	ND		Methomyl	58 - 2730	ND
Bifenazate	60 - 2672	ND		MGK 264 1	166 - 1630	ND
Boscalid	64 - 2660	ND		MGK 264 2	109 - 1067	ND
Carbaryl	60 - 2693	ND		Myclobutanil	25 - 2723	ND
Carbofuran	60 - 2702	ND		Naled	63 - 2709	ND
Chlorantraniliprole	57 - 2685	ND		Oxamyl	57 - 2723	ND
Chlorpyrifos	49 - 2768	ND		Paclobutrazol	62 - 2670	ND
Clofentezine	282 - 2707	ND		Permethrin	288 - 2797	ND
Diazinon	294 - 2688	ND		Phosmet	63 - 2568	ND
Dichlorvos	251 - 2742	ND		Prophos	293 - 2700	ND
Dimethoate	59 - 2686	ND		Propoxur	61 - 2689	ND
E-Fenpyroximate	287 - 2789	ND		Pyridaben	297 - 2760	ND
Etofenprox	62 - 2756	ND		Spinosad A	45 - 2099	ND
Etoxazole	291 - 2695	ND		Spinosad D	66 - 665	ND
Fenoxycarb	65 - 2675	ND		Spiromesifen	288 - 2753	ND
Fipronil	35 - 2735	ND		Spirotetramat	299 - 2717	ND
Flonicamid	66 - 2756	ND		Spiroxamine 1	22 - 1024	ND
Fludioxonil	314 - 2683	ND		Spiroxamine 2	34 - 1587	ND
Hexythiazox	56 - 2796	ND		Tebuconazole	274 - 2692	ND
Imazalil	286 - 2692	ND		Thiacloprid	60 - 2688	ND
Imidacloprid	61 - 2769	ND		Thiamethoxam	61 - 2732	ND
Kresoxim-methyl	60 - 2746	ND		Trifloxystrobin	62 - 2703	ND

## Final Approval

  
Sam Smith  
24Nov2023  
11:10:00 AM MST  
PREPARED BY / DATE

  
Karen Winternheimer  
24Nov2023  
11:13:00 AM MST  
APPROVED BY / DATE

Prepared for:  
**PET RELIEF**

8100 SOUTHPARK WAY  
LITTLETON, CO USA 80120

## Organic Hemp Oil 200mg

Batch ID or Lot Number: <b>1123T214</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 4 of 5
Reported: <b>20Nov2023</b>	Started: 20Nov2023	Received: 17Nov2023	


## Residual Solvents - Colorado Compliance

Test ID: T000262450


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	84 - 1671	ND	
Butanes (Isobutane, n-Butane)	165 - 3300	ND	
Methanol	58 - 1162	ND	
Pentane	89 - 1780	ND	
Ethanol	91 - 1824	ND	
Acetone	92 - 1841	ND	
Isopropyl Alcohol	101 - 2016	ND	
Hexane	6 - 114	ND	
Ethyl Acetate	95 - 1907	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	91 - 1823	ND	
Toluene	17 - 343	ND	
Xylenes (m,p,o-Xylenes)	125 - 2503	ND	

### Final Approval

  
Sam Smith  
27Nov2023  
09:44:00 AM MST

PREPARED BY / DATE

  
Karen Winternheimer  
27Nov2023  
09:46:00 AM MST

APPROVED BY / DATE

Prepared for:

## PET RELIEF

8100 SOUTHPARK WAY  
LITTLETON, CO USA 80120

### Organic Hemp Oil 200mg

Batch ID or Lot Number: <b>1123T214</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 5 of 5
Reported: <b>20Nov2023</b>	Started: 20Nov2023	Received: 17Nov2023	


### Heavy Metals - Colorado Compliance

Test ID: T000262449

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.77	ND	
Cadmium	0.04 - 4.43	ND	
Mercury	0.04 - 4.30	ND	
Lead	0.05 - 4.72	ND	

### Final Approval

  
PREPARED BY / DATE  
Sam Smith  
29Nov2023  
12:02:00 PM MST

  
APPROVED BY / DATE  
Karen Winternheimer  
29Nov2023  
12:05:00 PM MST

Approved: Paul Gennings QC 11-20-23



<https://results.botanacor.com/api/v1/coas/uuid/3d749111-5b95-416c-990c-9544c119dfba>

**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.

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Cert #4329.02  
3d7491115b95416c990c9544c119dfba.1

# CERTIFICATE OF ANALYSIS

Prepared for:  
**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## 100 mg - Daily Releaf

Batch ID or Lot Number: <b>1223T115</b>	Test: <b>Potency</b>	Reported: <b>08Dec2023</b>	USDA License: N/A
Matrix: Solution	Test ID: T000264342	Started: 08Dec2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 06Dec2023	Status: Active

## Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.062	0.212	<LOQ	<LOQ	Density = 0.945g/mL
Cannabichromenic Acid (CBCA)	0.057	0.194	ND	ND	
Cannabidiol (CBD)	0.190	0.551	3.410	3.61	
Cannabidiolic Acid (CBDA)	0.195	0.566	ND	ND	
Cannabidivarin (CBDV)	0.045	0.130	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.081	0.236	ND	ND	
Cannabigerol (CBG)	0.035	0.121	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.148	0.504	ND	ND	
Cannabinol (CBN)	0.046	0.157	ND	ND	
Cannabinolic Acid (CBNA)	0.101	0.344	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.176	0.600	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.160	0.545	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.142	0.483	ND	ND	
Tetrahydrocannabivarin (THCV)	0.032	0.110	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.125	0.426	ND	ND	
<b>Total Cannabinoids</b>			<b>3.410</b>	<b>3.61</b>	
Total Potential THC			ND	ND	
Total Potential CBD			3.410	3.61	

## Final Approval

  
Sam Smith  
08Dec2023  
12:19:00 PM MST

PREPARED BY / DATE

  
Karen Winternheimer  
08Dec2023  
12:22:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/a857af11-99e1-4afa-82d2-2893ca22a7a5>

### Definitions

% = % (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)).

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.



Cert #4329.02

CDPHE Certified

a857af1199e14afa82d22893ca22a7a5.1

Prepared for:  
**Pet Relief**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## 100 mg - Daily Relief

Batch ID or Lot Number: <b>1223T115</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 6
Reported: <b>01Dec2023</b>	Started: 30Nov2023	Received: 30Nov2023	


### Pesticides


Test ID: T000263387

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	385 - 3277	ND		Malathion	280 - 2762	ND
Acephate	43 - 2767	ND		Metalaxyl	46 - 2743	ND
Acetamiprid	42 - 2720	ND		Methiocarb	47 - 2707	ND
Azoxystrobin	44 - 2764	ND		Methomyl	44 - 2802	ND
Bifenazate	44 - 2711	ND		MGK 264 1	164 - 1610	ND
Boscalid	41 - 2623	ND		MGK 264 2	113 - 1089	ND
Carbaryl	43 - 2708	ND		Myclobutanil	17 - 2632	ND
Carbofuran	44 - 2682	ND		Naled	46 - 2642	ND
Chlorantraniliprole	50 - 2579	ND		Oxamyl	43 - 2793	ND
Chlorpyrifos	50 - 2781	ND		Paclobutrazol	48 - 2595	ND
Clofentezine	283 - 2691	ND		Permethrin	260 - 2759	ND
Diazinon	289 - 2727	ND		Phosmet	43 - 2585	ND
Dichlorvos	283 - 2752	ND		Prophos	303 - 2679	ND
Dimethoate	43 - 2726	ND		Propoxur	45 - 2707	ND
E-Fenpyroximate	286 - 2761	ND		Pyridaben	298 - 2830	ND
Etofenprox	43 - 2781	ND		Spinosad A	32 - 2128	ND
Etoxazole	287 - 2702	ND		Spinosad D	65 - 685	ND
Fenoxycarb	30 - 2714	ND		Spiromesifen	273 - 2747	ND
Fipronil	49 - 2636	ND		Spirotetramat	267 - 2754	ND
Flonicamid	43 - 2740	ND		Spiroxamine 1	16 - 1027	ND
Fludioxonil	315 - 2625	ND		Spiroxamine 2	28 - 1553	ND
Hexythiazox	42 - 2753	ND		Tebuconazole	286 - 2594	ND
Imazalil	263 - 2804	ND		Thiacloprid	43 - 2746	ND
Imidacloprid	43 - 2776	ND		Thiamethoxam	40 - 2752	ND
Kresoxim-methyl	45 - 2761	ND		Trifloxystrobin	46 - 2738	ND

### Final Approval

  
 Karen Winternheimer  
 01Dec2023  
 09:36:00 AM MST  
 PREPARED BY / DATE

  
 Sam Smith  
 01Dec2023  
 09:42:00 AM MST  
 APPROVED BY / DATE



Prepared for:  
**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## 100 mg - Daily Releaf

Batch ID or Lot Number: <b>1223T115</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 6
Reported: <b>01Dec2023</b>	Started: 30Nov2023	Received: 30Nov2023	

## Microbial Contaminants - Colorado Compliance

Test ID: T000263388  
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  
03Dec2023  
10:56:00 AM MST

PREPARED BY / DATE



Eden Thompson-Wright  
04Dec2023  
09:37:00 AM MST

APPROVED BY / DATE

Prepared for:  
**Pet Relief**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## 100 mg - Daily Relief

Batch ID or Lot Number: <b>1223T115</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 6
Reported: <b>01Dec2023</b>	Started: 30Nov2023	Received: 30Nov2023	


## Residual Solvents - Colorado Compliance

Test ID: T000263390


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	91 - 1829	ND	
Butanes (Isobutane, n-Butane)	179 - 3576	ND	
Methanol	61 - 1219	ND	
Pentane	97 - 1941	ND	
Ethanol	101 - 2027	ND	
Acetone	103 - 2066	ND	
Isopropyl Alcohol	115 - 2294	ND	
Hexane	6 - 125	ND	
Ethyl Acetate	105 - 2110	ND	
Benzene	0.2 - 4.2	ND	
Heptanes	101 - 2012	ND	
Toluene	19 - 384	ND	
Xylenes (m,p,o-Xylenes)	141 - 2822	ND	

### Final Approval

 Karen Winternheimer  
06Dec2023  
12:42:00 PM MST

PREPARED BY / DATE

 Sam Smith  
06Dec2023  
12:44:00 PM MST

APPROVED BY / DATE

Prepared for:  
**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## 100 mg - Daily Releaf

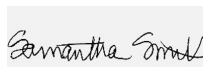
Batch ID or Lot Number: <b>1223T115</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 5 of 6
Reported: <b>01Dec2023</b>	Started: 30Nov2023	Received: 30Nov2023	


## Heavy Metals - Colorado Compliance

Test ID: T000263389  
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.61	ND	
Cadmium	0.05 - 4.52	ND	
Mercury	0.05 - 4.50	ND	
Lead	0.05 - 4.79	ND	

### Final Approval

  
Sam Smith  
06Dec2023  
02:47:00 PM MST  
PREPARED BY / DATE

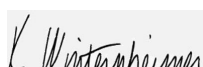
  
Karen Winternheimer  
06Dec2023  
02:52:00 PM MST  
APPROVED BY / DATE

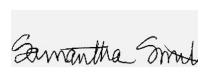
## Mycotoxins - Colorado Compliance

Test ID: T000263391  
Methods: TM18 (UHPLC-QQQ  
LCMS/MS): Mycotoxins

LCMS/MS: Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.74 - 128.26	ND	N/A
Aflatoxin B1	1.01 - 32.35	ND	
Aflatoxin B2	0.92 - 32.79	ND	
Aflatoxin G1	1.01 - 32.67	ND	
Aflatoxin G2	1.08 - 33.24	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### Final Approval

  
Karen Winternheimer  
07Dec2023  
12:55:00 PM MST  
PREPARED BY / DATE

  
Sam Smith  
07Dec2023  
12:56:00 PM MST  
APPROVED BY / DATE

Prepared for:  
**Pet Releaf**

8100 Southpark Way #A3  
Littleton, CO USA 80120

## 100 mg - Daily Releaf

Batch ID or Lot Number: <b>1223T115</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 6 of 6
Reported: <b>01Dec2023</b>	Started: 30Nov2023	Received: 30Nov2023	



<https://results.botanacor.com/api/v1/coas/uuid/e0138f19-663b-49bf-b4dc-48211b2c1015>

**Definitions**  
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Cert #4329.02  
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