

Prepared for:  
**EXTRACT LABS**

1399 Horizon Ave  
Lafayette, CO USA 80026

## Gummies: PM Formula CBN Elderberry

Batch ID or Lot Number: <b>24E4011107</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 5
Reported: <b>17Jul2024</b>	Started: 16Jul2024	Received: 15Jul2024	


## Residual Solvents - Colorado Compliance


Test ID: T000286430

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	86 - 1711	ND	
Butanes (Isobutane, n-Butane)	123 - 2462	ND	
Methanol	54 - 1075	ND	
Pentane	76 - 1514	ND	
Ethanol	83 - 1660	259	
Acetone	89 - 1786	ND	
Isopropyl Alcohol	95 - 1891	ND	
Hexane	5 - 104	ND	
Ethyl Acetate	90 - 1807	ND	
Benzene	0.2 - 3.6	ND	
Heptanes	82 - 1643	ND	
Toluene	16 - 324	ND	
Xylenes (m,p,o-Xylenes)	115 - 2300	ND	

### Final Approval

  
Karen Winternheimer  
17Jul2024  
02:04:00 PM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
17Jul2024  
04:03:00 PM MDT  
APPROVED BY / DATE

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### Pesticides


Test ID: T000286427

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	502 - 2768	ND		Malathion	285 - 2680	ND
Acephate	40 - 2690	ND		Metalaxyl	43 - 2722	ND
Acetamiprid	42 - 2726	ND		Methiocarb	47 - 2756	ND
Azoxystrobin	44 - 2675	ND		Methomyl	42 - 2772	ND
Bifenazate	41 - 2667	ND		MGK 264 1	175 - 1616	ND
Boscalid	43 - 2724	ND		MGK 264 2	111 - 1102	ND
Carbaryl	41 - 2709	ND		Myclobutanil	44 - 2663	ND
Carbofuran	44 - 2692	ND		Naled	47 - 2617	ND
Chlorantraniliprole	52 - 2690	ND		Oxamyl	44 - 2780	ND
Chlorpyrifos	36 - 2717	ND		Paclobutrazol	40 - 2653	ND
Clofentezine	280 - 2701	ND		Permethrin	240 - 2738	ND
Diazinon	272 - 2714	ND		Phosmet	40 - 2555	ND
Dichlorvos	290 - 2763	ND		Prophos	282 - 2769	ND
Dimethoate	45 - 2738	ND		Propoxur	42 - 2698	ND
E-Fenpyroximate	267 - 2757	ND		Pyridaben	277 - 2785	ND
Etofenprox	41 - 2756	ND		Spinosad A	31 - 2076	ND
Etoxazole	264 - 2681	ND		Spinosad D	63 - 674	ND
Fenoxycarb	22 - 2695	ND		Spiromesifen	249 - 2759	ND
Fipronil	43 - 2719	ND		Spirotetramat	287 - 2736	ND
Flonicamid	48 - 2722	ND		Spiroxamine 1	17 - 1033	ND
Fludioxonil	278 - 2753	ND		Spiroxamine 2	28 - 1634	ND
Hexythiazox	41 - 2730	ND		Tebuconazole	302 - 2680	ND
Imazalil	279 - 2730	ND		Thiacloprid	43 - 2778	ND
Imidacloprid	45 - 2785	ND		Thiamethoxam	44 - 2754	ND
Kresoxim-methyl	44 - 2746	ND		Trifloxystrobin	41 - 2716	ND

### Final Approval

  
 Sam Smith  
 18Jul2024  
 02:14:00 PM MDT  
 PREPARED BY / DATE

  
 Karen Winternheimer  
 18Jul2024  
 02:17:00 PM MDT  
 APPROVED BY / DATE

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## Heavy Metals - Colorado Compliance

Test ID: T000286429  
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.75	ND	
Cadmium	0.04 - 4.50	ND	
Mercury	0.05 - 4.82	ND	
Lead	0.05 - 4.71	ND	

### Final Approval

  
Karen Winternheimer  
18Jul2024  
10:40:00 AM MDT  
PREPARED BY / DATE

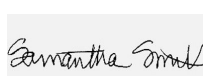
  
Sam Smith  
19Jul2024  
07:51:00 PM MDT  
APPROVED BY / DATE


## Cannabinoids - Colorado Compliance

Test ID: T000286426  
Methods: TM14 (HPLC-DAD): Potency - Standard

Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.007	0.022	ND	ND	
Cannabichromenic Acid (CBCA)	0.006	0.020	ND	ND	
Cannabidiol (CBD)	0.018	0.068	0.987	9.87	
Cannabidiolic Acid (CBDA)	0.019	0.070	ND	ND	
Cannabidivarin (CBDV)	0.004	0.016	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.008	0.029	ND	ND	
Cannabigerol (CBG)	0.004	0.013	ND	ND	
Cannabigerolic Acid (CBGA)	0.017	0.052	ND	ND	
Cannabinol (CBN)	0.005	0.016	0.321	3.21	
Cannabinolic Acid (CBNA)	0.011	0.036	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.020	0.062	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.018	0.057	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.016	0.050	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.014	0.044	ND	ND	
<b>Total Cannabinoids</b>			<b>1.308</b>	<b>13.08</b>	
Total Potential THC			ND	ND	
Total Potential CBD			0.987	9.87	

### Final Approval

  
Sam Smith  
19Jul2024  
09:53:00 AM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
19Jul2024  
09:58:00 AM MDT  
APPROVED BY / DATE

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## Microbial Contaminants - Colorado Compliance

Test ID: T000286428  
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>	<LLOQ	
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  
19Jul2024  
04:14:00 PM MDT  
PREPARED BY / DATE


  
Brianne Maillot  
19Jul2024  
05:42:00 PM MDT  
APPROVED BY / DATE


## Mycotoxins - Colorado Compliance

Test ID: T000286431  
Methods: TM18 (UHPLC-QQQ  
LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.59 - 137.52	ND	N/A
Aflatoxin B1	1.04 - 33.83	ND	
Aflatoxin B2	1.04 - 33.31	ND	
Aflatoxin G1	1.07 - 33.60	ND	
Aflatoxin G2	1.23 - 33.76	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### Final Approval

  
Karen Winterheimer  
24Jul2024  
08:57:00 AM MDT  
PREPARED BY / DATE

  
Sam Smith  
24Jul2024  
09:00:00 AM MDT  
APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/885af748-1d55-4171-9d27-8130f2f7cefd>

**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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