



## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Delta 9 THC Gummies (Blackberry Lime)

PRODUCT STRENGTH: 10mg THC + 10mg CBD per gummy

BATCH: S&Y "3

BEST BY DATE: ' !# !S(

EXTRACT LOT: #00&A>8#S)

### Physical Attributes

Test	Method	Specification	Results
Color	Internal	Dark purple	PASS
Odor	Internal	Sweet blackberry and lime	PASS
Appearance	Internal	Sugar-coated	PASS
Primary Package Evaluation	Internal	Container clean and free of filth. Container caps tight and seals intact.	PASS
Secondary Package Evaluation	Internal	Labeling compliance checked, sufficient cushion material exists. Box taped & secured.	PASS

### Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
Potency - Total CBD	HPLC-UV-DAD	*NLT # mg / gummy	#' _ Y	PASS
Potency - Total D9-THC	HPLC-UV-DAD	LOQ: <0.03% (full spectrum)	#' _ Y	PASS
Expanded Pesticide Panel	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Below LOQ	PASS
Microbial Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Absent	PASS
Microbial Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Absent	PASS
Microbial Yeast & Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>2</sup> CFU/gram	Below LOQ	PASS
Microbial Total Coliforms*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>2</sup> CFU/gram	Below LOQ	PASS
Microbial Total Aerobic Count*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>3</sup> CFU/gram	Below LOQ	PASS
Heavy Metals Panel	ICP-MS	Arsenic (As): ≤1.5ppm   Cadmium (Cd): ≤0.5ppm Lead (Pb): ≤0.5ppm   Mercury (Hg): ≤1.5ppm	Below LOQ	PASS
Mycotoxins	ICP-MS	Total Aflatoxins <20 ppb† Aflatoxin B1 < 5 ppb   Ochratoxin < 5ppb	Below LOQ	PASS
Residual Solvents	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Below LOQ	PASS

\*\*Level of Quantitation, † Parts Per  
Million † Part Per Billion CFU/g=Colony  
Forming Units per Gram  
\* Nothing Less Than  
Manufacture\*  
10<sup>2</sup>=100 CFU  
10<sup>3</sup>=1,000 CFU

Quality Certified

Name

7/8/2024

Date

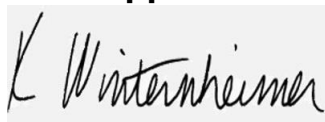
## Blackberry Lime 10mg CBD: 10mg THC Gummy

Batch ID or Lot Number: <b>240708A</b>	Test: <b>Potency</b>	Reported: <b>21May2024</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000280969	Started: 20May2024	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 14May2024	Status: Active

### Cannabinoids

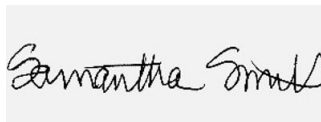
	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.007	0.025	ND	ND	
Cannabichromenic Acid (CBCA)	0.006	0.022	ND	ND	
Cannabidiol (CBD)	0.024	0.066	0.267	2.67	
Cannabidiolic Acid (CBDA)	0.025	0.068	ND	ND	
Cannabidivarin (CBDV)	0.006	0.016	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.010	0.028	ND	ND	
Cannabigerol (CBG)	0.004	0.014	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.017	0.058	ND	ND	
Cannabinol (CBN)	0.005	0.018	ND	ND	
Cannabinolic Acid (CBNA)	0.011	0.040	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.020	0.070	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.003	0.011	0.254	2.54	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.003	0.009	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.013	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.014	0.049	ND	ND	
<b>Total Cannabinoids</b>			<b>0.521</b>	<b>5.21</b>	
Total Potential THC			0.254	2.54	
Total Potential CBD			0.267	2.67	

### Final Approval

  
K Winternheimer

Karen Winternheimer  
21May2024  
03:26:00 PM MDT

PREPARED BY / DATE

  
Sam Smith

Sam Smith  
21May2024  
03:28:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/ea53cf96-9c25-4bab-ac11-bbcbd24789c9>

#### 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



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**Blackberry Lime 10mg CBD: 10mg THC Gummy**

Batch ID or Lot Number: <b>240708A</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 5
Reported: <b>13May2024</b>	Started: 10May2024	Received: 09May2024	

**Mycotoxins - Colorado  
Compliance**

Test ID: T000280341

Methods: TM18 (UHPLC-QQQ

LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.99 - 126.02	ND	N/A
Aflatoxin B1	0.87 - 32.60	ND	
Aflatoxin B2	0.90 - 32.98	ND	
Aflatoxin G1	0.96 - 33.08	ND	
Aflatoxin G2	1.58 - 33.34	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

**Final Approval**



Karen Winternheimer  
13May2024  
10:59:00 AM MDT

PREPARED BY / DATE



Sam Smith  
13May2024  
11:03:00 AM MDT

APPROVED BY / DATE

**Blackberry Lime 10mg CBD: 10mg THC Gummy**

Batch ID or Lot Number: <b>240708A</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 3 of 5
Reported: <b>13May2024</b>	Started: 10May2024	Received: 09May2024	

**Residual Solvents -  
Colorado Compliance**

Test ID: T000280340

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	72 - 1432	ND	
Butanes (Isobutane, n-Butane)	153 - 3064	ND	
Methanol	62 - 1232	ND	
Pentane	82 - 1634	ND	
Ethanol	85 - 1694	874	
Acetone	97 - 1949	ND	
Isopropyl Alcohol	103 - 2067	ND	
Hexane	6 - 121	ND	
Ethyl Acetate	100 - 2006	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	92 - 1850	ND	
Toluene	18 - 360	ND	
Xylenes (m,p,o-Xylenes)	129 - 2571	ND	

**Final Approval**



Karen Winternheimer  
14May2024  
08:53:00 AM MDT

PREPARED BY / DATE



Sam Smith  
14May2024  
08:55:00 AM MDT

APPROVED BY / DATE

**Blackberry Lime 10mg CBD: 10mg THC Gummy**

Batch ID or Lot Number: <b>240708A</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 4 of 5
Reported: <b>13May2024</b>	Started: 10May2024	Received: 09May2024	


**Pesticides**


Test ID: T000280337

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	330 - 2638	ND		Malathion	291 - 2676	ND
Acephate	28 - 2811	ND		Metalaxyl	30 - 2706	ND
Acetamiprid	28 - 2725	ND		Methiocarb	30 - 2715	ND
Azoxystrobin	31 - 2718	ND		Methomyl	27 - 2802	ND
Bifenazate	28 - 2708	ND		MGK 264 1	160 - 1614	ND
Boscalid	30 - 2693	ND		MGK 264 2	105 - 1068	ND
Carbaryl	29 - 2678	ND		Myclobutanil	26 - 2640	ND
Carbofuran	29 - 2680	ND		Naled	31 - 2631	ND
Chlorantraniliprole	34 - 2729	ND		Oxamyl	28 - 2801	ND
Chlorpyrifos	13 - 2722	ND		Paclobutrazol	27 - 2672	ND
Clofentezine	282 - 2703	ND		Permethrin	284 - 2747	ND
Diazinon	271 - 2730	ND		Phosmet	28 - 2584	ND
Dichlorvos	273 - 2774	ND		Prophos	282 - 2725	ND
Dimethoate	27 - 2742	ND		Propoxur	29 - 2679	ND
E-Fenpyroximate	260 - 2731	ND		Pyridaben	277 - 2749	ND
Etofenprox	29 - 2709	ND		Spinosad A	22 - 2068	ND
Etoxazole	274 - 2638	ND		Spinosad D	60 - 652	ND
Fenoxycarb	24 - 2696	ND		Spiromesifen	258 - 2714	ND
Fipronil	31 - 2691	ND		Spirotetramat	286 - 2768	ND
Flonicamid	31 - 2793	ND		Spiroxamine 1	11 - 998	ND
Fludioxonil	279 - 2651	ND		Spiroxamine 2	17 - 1605	ND
Hexythiazox	32 - 2749	ND		Tebuconazole	287 - 2710	ND
Imazalil	273 - 2747	ND		Thiacloprid	28 - 2762	ND
Imidacloprid	32 - 2830	ND		Thiamethoxam	30 - 2781	ND
Kresoxim-methyl	28 - 2737	ND		Trifloxystrobin	30 - 2696	ND

**Final Approval**

  
PREPARED BY / DATE  
Sam Smith  
15May2024  
11:24:00 AM MDT


  
APPROVED BY / DATE  
Karen Winternheimer  
15May2024  
11:27:00 AM MDT

## Blackberry Lime 10mg CBD: 10mg THC Gummy

Batch ID or Lot Number: 240708A	Test: <b>Heavy Metals</b>	Reported: <b>21May2024</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000280339	Started: 14May2024	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 09May2024	Status: NA


Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.76	ND	Amendment to T000280339 issued 14May2024 to update batch ID.
Cadmium	0.05 - 4.54	ND	
Mercury	0.05 - 4.87	ND	
Lead	0.05 - 4.84	ND	

## Final Approval



Karen Winternheimer  
21May2024  
11:54:00 AM MDT

PREPARED BY / DATE



Sam Smith  
21May2024  
11:56:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/47112b1c-a669-48b1-b285-47de5a7c8257>

### Definitions

ND = None Detected (defined by dynamic range of the method)  
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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



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4'SJTWk>[\_ W#'\_ Y546, #'\_ YF: 5 9g \_ k

Batch ID or Lot Number: S&Z) "3	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 5 of 5
Reported: 13May2024	Started: 10May2024	Received: 09May2024	

**Microbial  
Contaminants -  
Colorado Compliance**

Test ID: T000280338  
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
Salmonella	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 15May2024 04:35:00 PM MDT	 Brianne Maillot 16May2024 08:49:00 PM MDT
PREPARED BY / DATE	APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/ab352335-05ff-4987-8e45-6e0bd14c2783>

**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: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

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Cert #4329.02  
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