

# CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Strawberry Lemonade Gummies  
**PRODUCT STRENGTH:** 10 mg CBD / gummy  
**BATCH:** 210119  
**BEST BY DATE:** 12/2022  
**HEMP EXTRACT LOT:** C0624-001

*\*Click on the links to view third-party reports\**

## Physical Attributes

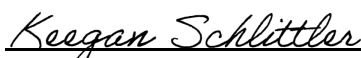
Test	Method	Specification	Results
Color	Internal	Medium Pink	PASS
Odor	Internal	Sweet, strawberry, lemon	PASS
Appearance	Internal	Medium pink gummies with sugar coating in child proof container	PASS
Primary Package Eval.	Internal	Container clean and free of filth. Container caps tight and seals intact	PASS
Secondary Package Eval.	Internal	Labeling Compliance Checked, Sufficient cushion material exists. Box taped and secure.	PASS

## Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
<b>Potency</b> - Total CBD	HPLC-UV DAD	*NLT 10 mg / gummy	<b>14.88 mg</b>	PASS
<b>Potency</b> - D9-THC	HPLC-UV DAD	Complies with CDPHE 6 CCR for Broad Spectrum	<b>ND</b>	PASS
<b>Expanded Pesticide Panel</b>	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	<b>Below LOQ</b>	PASS
<b>Microbial</b> Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	<b>Absent</b>	PASS
<b>Microbial</b> Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	<b>Absent</b>	PASS
<b>Microbial</b> Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>2</sup> CFU/gram	<b>Below LOQ</b>	PASS
<b>Microbial</b> Total Coliforms*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>2</sup> CFU/gram	<b>Below LOQ</b>	PASS
<b>Microbial</b> Total Aerobic Count*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>3</sup> CFU/gram	<b>Below LOQ</b>	PASS
<b>Heavy Metals Panel</b>	ICP-MS	Arsenic (As): ≤1.5 ppm Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm	<b>Below LOQ</b>	PASS
<b>Mycotoxins</b>	ICP-MS	Total Aflatoxins <20 ppb† Aflatoxin B1 < 5 ppb Ochratoxin < 5 ppb	<b>Below LOQ</b>	PASS
<b>Residual Solvents</b>	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR in effect during MFG*	<b>Below LOQ</b>	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

  
 Keegan Schlittler  
 Quality Assurance Manager

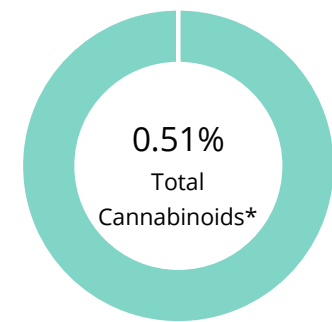
12/13/2021

Date

## Gummies - 10mg CBD Organic, Strawberry Lemonade

<b>Batch ID:</b>	B148 - R210216	<b>Test ID:</b>	T000180286
<b>Type:</b>	Concentrate	<b>Submitted:</b>	12/06/2021 @ 01:50 PM
<b>Test:</b>	Potency	<b>Started:</b>	12/7/2021
<b>Method:</b>	TM14 (HPLC-DAD)	<b>Reported:</b>	12/8/2021

## CANNABINOID PROFILE



CBD 0.48%

CBDa 0.00%

delta 9 THC 0.00%

THCa 0.00%

Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.04	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.05	ND	ND
Cannabidiolic acid (CBDA)	0.05	ND	ND
Cannabidiol (CBD)	0.05	0.48	4.8
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	ND	ND
Cannabinolic Acid (CBNA)	0.03	ND	ND
Cannabinol (CBN)	0.01	ND	ND
Cannabigerolic acid (CBGA)	0.04	ND	ND
Cannabigerol (CBG)	0.01	0.03	0.3
Tetrahydrocannabivarinic Acid (THCVA)	0.04	ND	ND
Tetrahydrocannabivarin (THCV)	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.02	ND	ND
Cannabichromene (CBC)	0.02	ND	ND
<b>Total Cannabinoids</b>		<b>0.51</b>	<b>5.1</b>
Total Potential THC**		ND	ND
Total Potential CBD**		0.48	4.8

### NOTES:

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

\* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.



\*\* Total Potential THC/CBD 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)) and

Total CBD = CBD + (CBDa \*(0.877))

ND = None Detected (Defined by Dynamic Range of the method)

## FINAL APPROVAL

	Hannah Wright 8-Dec-2021 2:23 PM		Rvan Weems 8-Dec-2021 2:25 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

**27093**

Batch ID or Lot Number:

**C0624-001**

Test:

**Pesticides**

Reported:

**8/11/21**

Matrix:

Concentrate

Test ID:

T000155504

Started:

8/10/21

USDA License:

N/A

Status:

N/A

Method:

TM17(LC-QQQ LC MS/MS):

Received:

08/05/2021 @ 12:37 PM

Sampler ID:

N/A

## PESTICIDE DETERMINATION

Compound	LOQ (ppm)	Result (ppm)	Compound	LOQ (ppm)	Result (ppm)	Compound	LOQ (ppm)	Result (ppm)
Acephate	54	ND	Fenoxycarb	54	ND	Paclobutrazol	54	ND
Acetamiprid	54	ND	Fipronil	54	ND	Permethrin	324	ND
Avermectin	324	ND	Flonicamid	54	ND	Phosmet	54	ND
Azoxystrobin	54	ND	Fludioxonil	324	ND	Propios	324	ND
Bifenazate	54	ND	Hexythiazox	54	ND	Propoxur	54	ND
Boscalid	54	ND	Imazalil	324	ND	Pyridaben	324	ND
Carbaryl	54	ND	Imidacloprid	54	ND	Spinosad A	54	ND
Carbofuran	54	ND	Kresoxim-methyl	150	ND	Spinosad D	324	ND
Chlorantraniliprole	54	ND	Malathion	324	ND	Spiromesifen	324	ND
Chlorpyrifos	500	ND	Metaxyl	54	ND	Spirotetramat	324	ND
Clofentezine	324	ND	Methiocarb	54	ND	Spiroxamine 1	54	ND
Diazinon	324	ND	Methomyl	54	ND	Spiroxamine 2	54	ND
Dichlorvos	324	ND	MGK 264 1	324	ND	Tebuconazole	324	ND
Dimethoate	54	ND	MGK 264 2	324	ND	Thiacloprid	54	ND
E-Fenpyroximate	324	ND	Myclobutanil	54	ND	Thiamethoxam	54	ND
Etofenprox	54	ND	Naled	54	ND	Trifloxystrobin	54	ND
Etoxazole	324	ND	Oxamyl	1500	ND			



 Taylor Brevik  
8/11/2021  
4:08:00 PM



 Sam Smith  
8/11/2021  
4:11:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

### Definitions

LOQ = Limit of Quantification

ppb = Parts per Billion

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Certificate #4329.02

**Strawberry Lemonade 10 mg CBD BS Gummy**

Batch ID or Lot Number: <b>Composite</b> <b>210111, 210116, 210119</b>	Test: <b>Microbial</b> <b>Contaminants</b>	Reported: <b>12/10/21</b>	
Matrix: Finished Product	Test ID: T000179995	Started: 12/7/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 12/07/2021 @ 09:30 AM	Sampler ID: N/A

**MICROBIAL CONTAMINANTS DETERMINATION**

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
<b>Total Aerobic Count*</b>	TM-26, Culture Plating	10 <sup>2</sup> CFU/g	10 <sup>3</sup> CFU/g	1.5x10 <sup>5</sup> CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
<b>Total Coliforms*</b>	TM-27, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	None Detected	
<b>Total Yeast and Mold*</b>	TM-24, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	None Detected	
<b>E. coli (STEC)</b>	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
<b>Salmonella</b>	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	

*Brianne Maillot*  
 Brianne Maillot  
 12/10/2021  
 09:01:00 AM

PREPARED BY / DATE

*Carly Bader*  
 Carly Bader  
 12/10/2021  
 09:20:00 AM

APPROVED BY / DATE

**Definitions**

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

\* 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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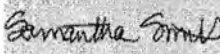


**27093**


Batch ID or Lot Number: <b>C0624-001</b>	Test: <b>Metals</b>	Reported: <b>8/13/21</b>	
Matrix: Unit Co	Test ID: T000155506	Started: 8/12/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 08/05/2021 @ 12:37 PM	Sampler ID: N/A

**HEAVY METALS DETERMINATION**

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Arsenic	0.044 - 4.39	ND	
Cadmium	0.048 - 4.78	ND	
Mercury	0.044 - 4.38	ND	
Lead	0.044 - 4.38	ND	

 Sam Smith  
13-Aug-21  
1:11 PM

PREPARED BY / DATE

 Daniel Weidensaul  
13-Aug-21  
1:14 PM

APPROVED BY / DATE

**Definitions**

ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4929.02

**27093**


Batch ID or Lot Number:	Test:	Reported:
<b>C0624-001</b>	<b>Mycotoxins</b>	<b>8/12/21</b>

Matrix:	Test ID:	Started:	USDA License:
Concentrate	T000155508	8/11/21	N/A

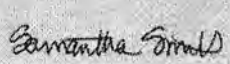
Status:	Method:	Received:	Sampler ID:
N/A	TM18 (UHPLC-QQ LCMS/MS); Mycotoxins (Colorado Panel)	08/05/2021 @ 12:37 PM	N/A

**MYCOTOXIN DETERMINATION**

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	5.1 - 137.2	ND	N/A
Aflatoxin B1	1 - 35.5	ND	
Aflatoxin B2	1.1 - 34.7	ND	
Aflatoxin G1	1 - 34.9	ND	
Aflatoxin G2	1.2 - 33.7	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

 Taylor Brevik  
12-Aug-21  
2:47 PM

PREPARED BY / DATE

 Sam Smith  
12-Aug-21  
2:50 PM

APPROVED BY / DATE

**Definitions**

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# botanacor

## Official Compliance: Colorado CERTIFICATE OF ANALYSIS

Prepared for:

**27093**

**Socati**

Batch ID or Lot Number:

**C0624-001**

Test:

**Residual Solvents**

Reported:

**8/12/21**

Matrix:

N/A

Test ID:

T000155507

Started:

8/11/21

USDA License:

N/A

Status:

N/A

Methods:

TM04 (GC-MS): Residual Solvents  
(Colorado Panel)

Received:


08/05/2021 @ 12:37 PM

Sampler ID:

N/A

### RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	71 - 1415	*ND	
Butanes (Isobutane, n-Butane)	133 - 2657	*ND	
Methanol	49 - 984	*ND	
Pentane	73 - 1454	*ND	
Ethanol	78 - 1554	*ND	
Acetone	80 - 1600	*ND	
Isopropyl Alcohol	88 - 1766	*ND	
Hexane	5 - 98	*ND	
Ethyl Acetate	81 - 1624	*ND	
Benzene	0 - 3	*ND	
Heptanes	77 - 1543	*ND	
Toluene	15 - 293	*ND	
Xylenes (m,p,o-Xylenes)	108 - 2169	*ND	

 Karen Winterheimer  
12-Aug-21  
3:07 PM

PREPARED BY / DATE

 Ryan Weems  
12-Aug-21  
3:09 PM

APPROVED BY / DATE

### Definitions

\* ND = None Detected (Defined by Dynamic Range of the method)

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