

# CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Organic Strawberry Lemonade Gummies - Kosher Certified  
**PRODUCT STRENGTH:** 10mg CBD / gummy  
**BATCH:** 762  
**BEST BY DATE:** 8/22/2024

### Physical Attributes

Test	Method	Specification	Results
Color	Joy Internal	Medium Pink	PASS
Odor	Joy Internal	Sweet, strawberry, lemon	PASS
Appearance	Joy Internal	Medium pink gummies with sugar coating in child proof container	PASS
Primary Package Eval.	Joy Internal	Container clean and free of filth. Container caps tight and seals intact	PASS
Secondary Package Eval.	Joy 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 - Total CBD</b>	HPLC-UV DAD	*NLT 10mg gummy	<b>12.27mg</b>	PASS
<b>Potency - D9-THC</b>	HPLC-UV DAD	LOQ: <0.01% (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 < 5ppb	<b>Below LOQ</b>	PASS
<b>Residual Solvents</b>	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	<b>Below LOQ</b>	PASS

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

Quality Certified

  
 Name

9/16/22

Date

**OGUMSL10 - Organic 10mg Strawberry Lemonade Gummy**

Batch ID or Lot Number: <b>OGUMSL10 - 00762</b>	Test: <b>Potency</b>	Reported: <b>26Aug2022</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000219524	Started: 26Aug2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 26Aug2022	Status: Active

**Cannabinoids**

	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.007	0.021	ND	ND	
Cannabichromenic Acid (CBCA)	0.007	0.019	ND	ND	
Cannabidiol (CBD)	0.016	0.053	0.372	3.72	
Cannabidiolic Acid (CBDA)	0.016	0.054	ND	ND	
Cannabidivarin (CBDV)	0.004	0.012	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.007	0.023	ND	ND	
Cannabigerol (CBG)	0.004	0.012	0.023	0.23	
Cannabigerolic Acid (CBGA)	0.017	0.050	ND	ND	
Cannabinol (CBN)	0.005	0.015	ND	ND	
Cannabinolic Acid (CBNA)	0.012	0.034	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.020	0.059	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.018	0.054	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.016	0.047	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.014	0.042	ND	ND	
<b>Total Cannabinoids</b>			<b>0.395</b>	<b>3.95</b>	
Total Potential THC			ND	ND	
Total Potential CBD			0.372	3.72	

**Final Approval**



Jacob Miller  
26Aug2022  
04:13:00 PM MDT

PREPARED BY / DATE



Sam Smith  
26Aug2022  
04:18:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/923fdaf1-c974-4da2-b021-5c9fa375236f>

**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 Accredited by A2LA.



Cert #4329.02

CDPHE Certified  
923fdaf1c9744da2b0215c9fa375236f.1

**OGUMSL10 - Organic 10mg Strawberry  
Lemonade Gummy**

Batch ID or Lot Number: <b>OGUMSL10 - 00762</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>8/29/22</b>	Location: 5042 Technology Parkway Ste. 50 FT. COLLINS, CO 80528
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Matrix: Finished Product	Test ID: T000219526	Started: 8/26/22	USDA License: N/A
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Status: Active	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial	Received: 08/26/2022 @ 08:29 AM	Sampler ID: N/A
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**MICROBIAL CONTAMINANTS DETERMINATION**

Contaminant	Method	LOD	QUANTITATION RANGE	Result	Notes
<b>Total Aerobic Count*</b>	TM-26, Culture Plating	10 <sup>2</sup> CFU/g	2.0x10 <sup>3</sup> - 3.0x10 <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	1.0x10 <sup>2</sup> - 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	2.0x10 <sup>2</sup> - 3.0x10 <sup>4</sup> CFU/g	None Detected	
<b>STEC</b>	TM-25, PCR	10 <sup>0</sup> CFU/25 g	N/A	Absent	
<b>Salmonella</b>	TM-25, PCR	10 <sup>0</sup> CFU/25 g	N/A	Absent	

*Eden Thompson*  
Eden Thompson-Wright  
8/29/2022  
1:51:00 PM

*Sarah Henning*  
Sarah Henning  
8/29/2022  
3:15:00 PM

PREPARED BY / DATE

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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CDPHE Certified



Certificate #4329.02

**OGUMSL10 - Organic 10mg Strawberry Lemonade Gummy**


Batch ID or Lot Number: <b>OGUMSL10 - 00762</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 5
Reported: <b>26Aug2022</b>	Started: 26Aug2022	Received: 26Aug2022	


**Mycotoxins - Colorado Compliance**

Test ID: T000219529  
Methods: TM18 (UHPLC-QQQ)  
LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.74 - 106.58	ND	N/A
Aflatoxin B1	0.86 - 26.28	ND	
Aflatoxin B2	0.78 - 26.48	ND	
Aflatoxin G1	0.83 - 26.25	ND	
Aflatoxin G2	0.93 - 26.51	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

**Final Approval**

  
Jacob Miller  
30Aug2022  
10:11:00 AM MDT  
PREPARED BY / DATE


  
Sam Smith  
30Aug2022  
10:21:00 AM MDT  
APPROVED BY / DATE



Hemp Quality Assurance Testing  
**CERTIFICATE OF ANALYSIS**

BCA-000397-220308 | DATE ISSUED 06/17/2022



 **Residual Solvents Analysis**  
Continued

**RESIDUAL SOLVENTS TEST RESULTS - 03/14/2022 continued DETECTED**

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Ethylene Oxide	0.3 / 0.8	N/A	ND
Ethyl Acetate	20 / 60	N/A	ND
Chloroform	0.1 / 0.2	N/A	ND
Dichloromethane (Methylene Chloride)	0.3 / 0.9	N/A	ND
Trichloroethylene	0.1 / 0.3	N/A	ND
1,2-Dichloroethane	0.05 / 0.1	N/A	ND
Acetonitrile	2 / 7	N/A	ND

**OGUMSL10 - Organic 10mg Strawberry Lemonade Gummy**

Batch ID or Lot Number: <b>OGUMSL10 - 00762</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 5
Reported: <b>26Aug2022</b>	Started: 26Aug2022	Received: 26Aug2022	


**Pesticides**


Test ID: T000219525

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	336 - 2764	ND		Malathion	286 - 2727	ND
Acephate	38 - 2825	ND		Metalaxyl	44 - 2773	ND
Acetamiprid	40 - 2748	ND		Methiocarb	43 - 2781	ND
Azoxystrobin	44 - 2772	ND		Methomyl	41 - 2781	ND
Bifenazate	39 - 2738	ND		MGK 264 1	169 - 1643	ND
Boscalid	41 - 2797	ND		MGK 264 2	101 - 1157	ND
Carbaryl	40 - 2768	ND		Myclobutanil	48 - 2791	ND
Carbofuran	40 - 2730	ND		Naled	48 - 2779	ND
Chlorantraniliprole	40 - 2745	ND		Oxamyl	42 - 2787	ND
Chlorpyrifos	39 - 2718	ND		Paclobutrazol	42 - 2723	ND
Clofentezine	270 - 2766	ND		Permethrin	289 - 2741	ND
Diazinon	280 - 2765	ND		Phosmet	41 - 2743	ND
Dichlorvos	252 - 2767	ND		Prophos	282 - 2763	ND
Dimethoate	42 - 2738	ND		Propoxur	42 - 2745	ND
E-Fenpyroximate	296 - 2734	ND		Pyridaben	295 - 2753	ND
Etofenprox	42 - 2689	ND		Spinosad A	35 - 2247	ND
Etoxazole	299 - 2720	ND		Spinosad D	48 - 498	ND
Fenoxycarb	41 - 2752	ND		Spiromesifen	283 - 2740	ND
Fipronil	20 - 2847	ND		Spirotetramat	276 - 2798	ND
Flonicamid	50 - 2754	ND		Spiroxamine 1	18 - 1189	ND
Fludioxonil	273 - 2782	ND		Spiroxamine 2	24 - 1591	ND
Hexythiazox	42 - 2699	ND		Tebuconazole	288 - 2837	ND
Imazalil	262 - 2789	ND		Thiacloprid	42 - 2744	ND
Imidacloprid	40 - 2747	ND		Thiamethoxam	40 - 2776	ND
Kresoxim-methyl	42 - 2813	ND		Trifloxystrobin	44 - 2745	ND

**Final Approval**

  
 Daniel Weidensaul  
 01Sep2022  
 01:40:00 PM MDT  
 PREPARED BY / DATE

  
 Karen Winternheimer  
 01Sep2022  
 01:46:00 PM MDT  
 APPROVED BY / DATE

**OGUMSL10 - Organic 10mg Strawberry Lemonade Gummy**

Batch ID or Lot Number: <b>OGUMSL10 - 00762</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 5 of 5
Reported: <b>26Aug2022</b>	Started: 26Aug2022	Received: 26Aug2022	


**Heavy Metals - Colorado Compliance**


Test ID: T000219527

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.72	ND	
Cadmium	0.05 - 4.81	ND	
Mercury	0.04 - 4.45	ND	
Lead	0.05 - 5.01	ND	

**Final Approval**

  
Samantha Smith  
29Aug2022  
05:15:00 PM MDT  
PREPARED BY / DATE

  
Daniel Weidensaul  
30Aug2022  
06:03:00 PM MDT  
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/5c8991e2-737f-46ef-bd93-c1bff9075294>

**Definitions**  
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