

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Organic Strawberry Lemonade Gummies - Kosher Certified
PRODUCT STRENGTH: 10mg CBD / gummy
BATCH: 762
BEST BY DATE: HEMP 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 |
|---|-----------------|---|------------------|-----------|
| Potency - Total CBD | HPLC-UV DAD | *NLT 10 mg / gummy | 12.27mg | PASS |
| Potency - D9-THC | HPLC-UV DAD | LOQ: <0.01% (broad spectrum) | ND | 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 - LOQ 1 CFU/25 gram | Absent | PASS |
| Microbial Salmonella | PCR | Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram | Absent | PASS |
| Microbial Yeast and Mold | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10 ² CFU/gram | Below LOQ | PASS |
| Microbial Total Coliforms* | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10 ² CFU/gram | Below LOQ | PASS |
| Microbial Total Aerobic Count* | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10 ³ CFU/gram | Below LOQ | PASS |
| Heavy Metals Panel | ICP-MS | Arsenic (As): ≤1.5 ppm Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm | 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
 10²=100 CFU
 10³=1,000 CFU



9/16/2022

Quality Certified

Name

Date

OGUMSL10 - Organic 10mg Strawberry Lemonade Gummy

| | | | |
|--|---|-------------------------------|----------------------|
| Batch ID or Lot Number: OGUMSL10 - 00762 | Test: Potency | Reported: 26Aug2022 | 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 | |
| Total Cannabinoids | | | 0.395 | 3.95 | |
| 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: OGUMSL10 - 00762 | Test: Microbial Contaminants | Reported: 8/29/22 | Location: 5042 Technology Parkway Ste. 50 FT. COLLINS, CO 80528 |
|--|--|-----------------------------|---|

| | | | |
|-----------------------------|------------------------|---------------------|----------------------|
| Matrix: Finished Product | Test ID: T000219526 | Started: 8/26/22 | USDA License: N/A |
|-----------------------------|------------------------|---------------------|----------------------|

| | | | |
|-------------------|--|------------------------------------|--------------------|
| Status: Active | Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial | Received: 08/26/2022 @ 08:29 AM | Sampler ID: N/A |
|-------------------|--|------------------------------------|--------------------|

MICROBIAL CONTAMINANTS DETERMINATION

| Contaminant | Method | LOD | QUANTITATION RANGE | Result | Notes |
|------------------------------|------------------------|--------------------------|---|---------------|---|
| Total Aerobic Count* | TM-26, Culture Plating | 10 ² CFU/g | 2.0x10 ³ - 3.0x10 ⁵ CFU/g | None Detected | Free from visual mold, mildew, and foreign matter |
| Total Coliforms* | TM-27, Culture Plating | 10 ¹ CFU/g | 1.0x10 ² - 1.5x10 ⁴ CFU/g | None Detected | |
| Total Yeast and Mold* | TM-24, Culture Plating | 10 ¹ CFU/g | 2.0x10 ² - 3.0x10 ⁴ CFU/g | None Detected | |
| STEC | TM-25, PCR | 10 ⁰ CFU/25 g | N/A | Absent | |
| Salmonella | TM-25, PCR | 10 ⁰ 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:
10² = 100 CFU
10³ = 1,000 CFU
10⁴ = 10,000 CFU
10⁵ = 100,000 CFU

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CDPHE Certified



Certificate #4329.02

OGUMSL10 - Organic 10mg Strawberry Lemonade Gummy

| | | | |
|--|---------------------------------------|------------------------|-------------|
| Batch ID or Lot Number: OGUMSL10 - 00762 | Test, Test ID and Methods: Various | Matrix: Concentrate | Page 3 of 5 |
| Reported: 26Aug2022 | 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: OGUMSL10 - 00762 | Test, Test ID and Methods: Various | Matrix: Concentrate | Page 4 of 5 |
| Reported: 26Aug2022 | 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: OGUMSL10 - 00762 | Test, Test ID and Methods: Various | Matrix: Concentrate | Page 5 of 5 |
| Reported: 26Aug2022 | 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
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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU.

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Cert #4329.02
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