Hemp Quality Assurance Testing

# CERTIFICATE OF ANALYSIS

DATE ISSUED 07/27/2024

**SAMPLE NAME: 15-15 Gummies**


## CULTIVATOR / MANUFACTURER

**Business Name:**
**License Number:**
**Address:**

## DISTRIBUTOR / TESTED FOR

**Business Name:** Provida Health
**License Number:**
**Address:**

## SAMPLE DETAIL

**Batch Number:** G122209B
**Sample ID:** 240722M011

**Date Collected:** 07/22/2024
**Date Received:** 07/22/2024
**Batch Size:**
**Sample Size:** 1.0 units
**Unit Mass:**
**Serving Size:** 6 grams per Serving

## CANNABINOID ANALYSIS - SUMMARY

**Total THC:** 2.649 mg/g

**Total CBD:** 2.676 mg/g

**Sum of Cannabinoids:** 5.60 mg/g

**Total Cannabinoids:** 5.60 mg/g

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:
Total THC = Δ9-THC + (THCa (0.877))
Total CBD = CBD + (CBDa (0.877))
Sum of Cannabinoids = Δ9-THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ8-THC + CBL + CBN
Total Cannabinoids = (Δ9-THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + Δ8-THC + CBL + CBN

## SAFETY ANALYSIS - SUMMARY

**Pesticides:** PASS

**Residual Solvents:** PASS

**Heavy Metals:** PASS

**Microbiology (PCR):** PASS

**Microbiology (Plating):** ND

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

**Sample Certification:** California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

**Decision Rule:** Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

**References:** limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

LQC verified by: Carmen Stackhouse
Job Title: Senior Laboratory Analyst
Date: 07/27/2024

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 07/27/2024

## Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

**Method:** QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

### TOTAL THC: 2.649 mg/g

Total THC (Δ9-THC+0.877*THCa)

### TOTAL CBD: 2.676 mg/g

Total CBD (CBD+0.877*CBDa)

### TOTAL CANNABINOIDS: 5.60 mg/g

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ8-THC + CBL + CBN

### TOTAL CBG: 0.013 mg/g

Total CBG (CBG+0.877*CBGa)

### TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

### TOTAL CBC: 0.062 mg/g

Total CBC (CBC+0.877*CBCa)

### TOTAL CBDV: 0.013 mg/g

Total CBDV (CBDV+0.877*CBDVa)

**CANNABINOID TEST RESULTS** - 07/25/2024

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|---|---|---|---|---|
| CBD | *0.004 / 0.011* | *±0.0998* | 2.676 | 0.2676 |
| Δ9-THC | *0.002 / 0.014* | *±0.1454* | 2.649 | 0.2649 |
| Δ8-THC | *0.01 / 0.02* | *±0.008* | 0.17 | 0.017 |
| CBC | *0.003 / 0.010* | *±0.0020* | 0.062 | 0.0062 |
| CBN | *0.001 / 0.007* | *±0.0004* | 0.014 | 0.0014 |
| CBDV | *0.002 / 0.012* | *±0.0005* | 0.013 | 0.0013 |
| CBG | *0.002 / 0.006* | *±0.0006* | 0.013 | 0.0013 |
| CBDa | *0.001 / 0.026* | *N/A* | <LOQ | <LOQ |
| THCa | *0.001 / 0.005* | *N/A* | ND | ND |
| THCV | *0.002 / 0.012* | *N/A* | ND | ND |
| THCVa | *0.002 / 0.019* | *N/A* | ND | ND |
| CBDVa | *0.001 / 0.018* | *N/A* | ND | ND |
| CBGa | *0.002 / 0.007* | *N/A* | ND | ND |
| CBL | *0.003 / 0.010* | *N/A* | ND | ND |
| CBCa | *0.001 / 0.015* | *N/A* | ND | ND |
| **SUM OF CANNABINOIDS** | | | 5.60 mg/g | 0.56% |

**Serving Size: 6 grams per Serving**

| | |
|---|---|
| Δ9-THC per Serving | 15.894 mg/serving |
| Total THC per Serving | 15.894 mg/serving |
| CBD per Serving | 16.056 mg/serving |
| Total CBD per Serving | 16.056 mg/serving |
| Sum of Cannabinoids per Serving | 33.60 mg/serving |
| Total Cannabinoids per Serving | 33.60 mg/serving |

## Pesticide Analysis

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).

*GC-MS utilized where indicated.

**Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

**PESTICIDE TEST RESULTS** - 07/27/2024 PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---|---|---|---|---|---|
| Abamectin | *0.03 / 0.10* | *0.3* | *N/A* | ND | PASS |
| Azoxystrobin | *0.02 / 0.07* | *40* | *N/A* | ND | PASS |
| Bifenazate | *0.01 / 0.04* | *5* | *N/A* | ND | PASS |
| Bifenthrin | *0.02 / 0.05* | *0.5* | *N/A* | ND | PASS |
| Boscalid | *0.03 / 0.09* | *10* | *N/A* | ND | PASS |
| Chlorpyrifos | *0.02 / 0.06* | *≥ LOD* | *N/A* | ND | PASS |
| Cypermethrin | *0.11 / 0.32* | *1* | *N/A* | ND | PASS |
| Etoxazole | *0.02 / 0.06* | *1.5* | *N/A* | ND | PASS |
| Hexythiazox | *0.02 / 0.07* | *2* | *N/A* | ND | PASS |
| Imidacloprid | *0.04 / 0.11* | *3* | *N/A* | ND | PASS |
| Malathion | *0.03 / 0.09* | *5* | *N/A* | ND | PASS |

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## Pesticide Analysis *Continued*

**PESTICIDE TEST RESULTS** - 07/27/2024 *continued* PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---|---|---|---|---|---|
| Myclobutanil | 0.03 / 0.09 | 9 | N/A | ND | PASS |
| Permethrin | 0.04 / 0.12 | 20 | N/A | ND | PASS |
| Piperonyl Butoxide | 0.02 / 0.07 | 8 | N/A | ND | PASS |
| Propiconazole | 0.02 / 0.07 | 20 | N/A | ND | PASS |
| Spiromesifen | 0.02 / 0.05 | 12 | N/A | ND | PASS |
| Tebuconazole | 0.02 / 0.07 | 2 | N/A | ND | PASS |
| Trifloxystrobin | 0.03 / 0.08 | 30 | N/A | ND | PASS |

## Residual Solvents Analysis

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

**Method:** QSP 1204 - Analysis of Residual Solvents by GC-MS

**RESIDUAL SOLVENTS TEST RESULTS** - 07/24/2024 PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---|---|---|---|---|---|
| Propane | 10 / 20 | 5000 | N/A | ND | PASS |
| n-Butane | 10 / 50 | 5000 | N/A | ND | PASS |
| n-Pentane | 20 / 50 | 5000 | N/A | ND | PASS |
| n-Hexane | 2 / 5 | 290 | N/A | ND | PASS |
| n-Heptane | 20 / 60 | 5000 | N/A | ND | PASS |
| Benzene | 0.03 / 0.09 | 1 | N/A | ND | PASS |
| Toluene | 7 / 21 | 890 | N/A | ND | PASS |
| Total Xylenes | 50 / 160 | 2170 | N/A | ND | PASS |
| Methanol | 50 / 200 | 3000 | N/A | ND | PASS |
| Ethanol | 20 / 50 | 5000 | N/A | <LOQ | PASS |
| 2-Propanol (Isopropyl Alcohol) | 10 / 40 | 5000 | N/A | ND | PASS |
| Acetone | 20 / 50 | 5000 | N/A | ND | PASS |
| Ethyl Ether | 20 / 50 | 5000 | N/A | ND | PASS |
| Ethylene Oxide | 0.3 / 0.8 | 1 | N/A | ND | PASS |
| Ethyl Acetate | 20 / 60 | 5000 | N/A | ND | PASS |
| Chloroform | 0.1 / 0.2 | 1 | N/A | ND | PASS |
| Dichloromethane (Methylene Chloride) | 0.3 / 0.9 | 1 | N/A | ND | PASS |
| Trichloroethylene | 0.1 / 0.3 | 1 | N/A | ND | PASS |
| 1,2-Dichloroethane | 0.05 / 0.1 | 1 | N/A | ND | PASS |
| Acetonitrile | 2 / 7 | 410 | N/A | ND | PASS |

## Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

**Method:** QSP 1160 - Analysis of Heavy Metals by ICP-MS

HEAVY METALS TEST RESULTS - 07/24/2024 PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---|---|---|---|---|---|
| Arsenic | *0.02 / 0.1* | *1.5* | *N/A* | ND | PASS |
| Cadmium | *0.02 / 0.05* | *0.5* | *N/A* | ND | PASS |
| Lead | *0.04 / 0.1* | *0.5* | *N/A* | ND | PASS |
| Mercury | *0.002 / 0.01* | *3* | *N/A* | ND | PASS |

## Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

**Method:** QSP 1221 - Analysis of Microbiological Contaminants

MICROBIOLOGY TEST RESULTS (PCR) - 07/26/2024 PASS

| COMPOUND | ACTION LIMIT (cfu/g) | RESULT (cfu/g) | RESULT |
|---|---|---|---|
| Shiga toxin-producing *Escherichia coli* | *Not Detected in 1g* | ND | PASS |
| *Salmonella* spp. | *Not Detected in 1g* | ND | PASS |
| Bile-Tolerant Gram-Negative Bacteria | | ND | |
| *Staphylococcus aureus* | | ND | |

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

**Method:** QSP 6794 - Plating with 3M™ Petrifilm™

MICROBIOLOGY TEST RESULTS (PLATING) - 07/26/2024 ND

| COMPOUND | RESULT (cfu/g) |
|---|---|
| Total Aerobic Bacteria | ND |
| Total Yeast and Mold | ND |