

SAMPLE NAME: Gummies - Melatonin 1500mg & 200mg

Infused, Hemp Infused

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

DISTRIBUTOR / TESTED FOR

Business Name: CBDFX

License Number:

**Address: 19851 Nordhoff Pl, #105
Chatsworth CA 91311**



SAMPLE DETAIL

Batch Number: PV060720212

Sample ID: 210701R034

Date Collected: 07/01/2021

Date Received: 07/01/2021

Batch Size:

Sample Size: 2.0 units

Unit Mass: 4.3751 grams per Unit

Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: Not Detected

Total CBD: 30.919 mg/unit

Sum of Cannabinoids: 31.238 mg/unit

Total Cannabinoids: 31.238 mg/unit

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 = $\Delta 9\text{THC} + (\text{THCa} \cdot 0.877)$
 Total CBD = $\text{CBD} + (\text{CBDa} \cdot 0.877)$
 Sum of Cannabinoids = $\Delta 9\text{THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$
 Total Cannabinoids = $(\Delta 9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$

SAFETY ANALYSIS - SUMMARY

Pesticides: ND

Mycotoxins: ND

Residual Solvents: ND

Heavy Metals: ND

Microbiology (PCR): ND

Microbiology (Plating): ND

For quality assurance purposes. Not a Pre-Harvest 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: Action Limits used in this report are a compilation of guidance from state regulatory agencies in all states. Action limits for required tests are either state-specific, or the lower of any conflicting state regulations based upon the panel requested.

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)

Randi Vuong
 LOC verified by: Randi Vuong
 Date: 07/11/2021

Josh Wurzer
 Approved by: Josh Wurzer, President
 Date: 07/11/2021



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: Not Detected

Total THC ($\Delta 9$ THC+0.877*THCa)

TOTAL CBD: 30.919 mg/unit

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 31.238 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + $\Delta 8$ THC + CBL + CBN

TOTAL CBG: 0.319 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: ND

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: <LOQ

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 07/04/2021

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|----------------------------|----------------|--------------------------------|-------------------|---------------|
| CBD | 0.004 / 0.011 | ±0.3385 | 7.067 | 0.7067 |
| CBG | 0.002 / 0.006 | ±0.0045 | 0.073 | 0.0073 |
| CBDV | 0.002 / 0.012 | N/A | <LOQ | <LOQ |
| $\Delta 9$ THC | 0.002 / 0.014 | N/A | ND | ND |
| THCa | 0.001 / 0.005 | N/A | ND | ND |
| $\Delta 8$ THC | 0.01 / 0.02 | N/A | ND | ND |
| THCV | 0.002 / 0.012 | N/A | ND | ND |
| THCVa | 0.002 / 0.019 | N/A | ND | ND |
| CBDA | 0.001 / 0.026 | 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 |
| CBN | 0.001 / 0.007 | N/A | ND | ND |
| CBC | 0.003 / 0.010 | N/A | ND | ND |
| CBCa | 0.001 / 0.015 | N/A | ND | ND |
| SUM OF CANNABINOIDS | | | 7.140 mg/g | 0.714% |

Unit Mass: 4.3751 grams per Unit

| | |
|------------------------------|----------------|
| $\Delta 9$ THC per Unit | ND |
| Total THC per Unit | ND |
| CBD per Unit | 30.919 mg/unit |
| Total CBD per Unit | 30.919 mg/unit |
| Sum of Cannabinoids per Unit | 31.238 mg/unit |
| Total Cannabinoids per Unit | 31.238 mg/unit |





Pesticide Analysis

PESTICIDE TEST RESULTS - 07/09/2021 ND

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

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) |
|-------------------|----------------|---------------------|--------------------------------|---------------|
| Abamectin | 0.03 / 0.10 | 0.07 | N/A | ND |
| Azoxystrobin | 0.01 / 0.04 | 0.01 | N/A | ND |
| Bifenazate | 0.01 / 0.02 | 0.01 | N/A | ND |
| Bifenthrin | 0.01 / 0.02 | 0.2 | N/A | ND |
| Boscalid | 0.02 / 0.06 | 0.01 | N/A | ND |
| Chlorpyrifos | 0.02 / 0.06 | 0.04 | N/A | ND |
| Cypermethrin | 0.1 / 0.3 | 0.3 | N/A | ND |
| Etoxazole | 0.010 / 0.028 | 0.01 | N/A | ND |
| Hexythiazox | 0.01 / 0.04 | 0.01 | N/A | ND |
| Imidacloprid | 0.01 / 0.04 | 0.01 | N/A | ND |
| Malathion | 0.02 / 0.05 | 0.02 | N/A | ND |
| Myclobutanil | 0.03 / 0.1 | 0.01 | N/A | ND |
| Permethrin | 0.03 / 0.09 | 0.04 | N/A | ND |
| Piperonylbutoxide | 0.003 / 0.009 | 0.2 | N/A | ND |
| Propiconazole | 0.01 / 0.03 | 0.1 | N/A | ND |
| Spiromesifen | 0.02 / 0.05 | 0.03 | N/A | ND |
| Tebuconazole | 0.02 / 0.07 | 0.01 | N/A | ND |
| Trifloxystrobin | 0.01 / 0.03 | 0.02 | N/A | ND |



Mycotoxin Analysis

MYCOTOXIN TEST RESULTS - 07/10/2021 ND

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

| COMPOUND | LOD/LOQ (µg/kg) | ACTION LIMIT (µg/kg) | MEASUREMENT UNCERTAINTY (µg/kg) | RESULT (µg/kg) |
|-----------------|-----------------|----------------------|---------------------------------|----------------|
| Aflatoxin B1 | 2.0 / 6.0 | 5 | N/A | ND |
| Aflatoxin B2 | 1.8 / 5.6 | 20 | N/A | ND |
| Aflatoxin G1 | 1.0 / 3.1 | 20 | N/A | ND |
| Aflatoxin G2 | 1.2 / 3.5 | 20 | N/A | ND |
| Total Aflatoxin | | 20 | | ND |
| Ochratoxin A | 6.3 / 19.2 | 5 | N/A | ND |



 **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 - 07/09/2021 ND

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

 **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 - 07/09/2021 ND

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) |
|----------|----------------|---------------------|--------------------------------|---------------|
| Arsenic | 0.02 / 0.1 | 0.42 | N/A | ND |
| Cadmium | 0.02 / 0.05 | 0.27 | N/A | ND |
| Lead | 0.04 / 0.1 | 0.5 | N/A | ND |
| Mercury | 0.002 / 0.01 | 0.4 | N/A | ND |





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

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

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

MICROBIOLOGY TEST RESULTS (PCR) - 07/11/2021 ND

| COMPOUND | ACTION LIMIT (cfu/g) | RESULT (cfu/g) |
|---|----------------------|----------------|
| Shiga toxin-producing <i>Escherichia coli</i> | Not Detected in 1g | ND |
| <i>Salmonella</i> spp. | Not Detected in 1g | ND |
| Bile-Tolerant Gram-Negative Bacteria | 100 | ND |
| <i>Staphylococcus aureus</i> | Not Detected in 1g | ND |

MICROBIOLOGY TEST RESULTS (PLATING) - 07/11/2021 ND

| COMPOUND | ACTION LIMIT (cfu/g) | RESULT (cfu/g) |
|------------------------|----------------------|----------------|
| Total Aerobic Bacteria | 100 | ND |
| Total Yeast and Mold | 10 | ND |

