

**SAMPLE NAME: 202308PG**

Infused, Hemp

**CULTIVATOR / MANUFACTURER**
**Business Name:**
**License Number:**
**Address:**
**DISTRIBUTOR / TESTED FOR**
**Business Name:** High End Confections

**License Number:**
**Address:**
**SAMPLE DETAIL**
**Batch Number:**
**Sample ID:** 230828S007

**Date Collected:** 08/28/2023

**Date Received:** 08/28/2023

**Batch Size:**
**Sample Size:** 10.0 units

**Unit Mass:**
**Serving Size:** 2.526 grams per Serving


Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**
**Total THC:** 2.027 mg/g

**Total CBD:** Not Detected

**Sum of Cannabinoids:** 2.133 mg/g

**Total Cannabinoids:** 2.133 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:

$$\text{Total THC} = \Delta^9\text{-THC} + (\text{THCa} \cdot 0.877)$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} \cdot 0.877)$$

$$\begin{aligned} \text{Sum of Cannabinoids} = & \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \\ & \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN} \\ \text{Total Cannabinoids} = & (\Delta^9\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + \\ & (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + \\ & (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN} \end{aligned}$$
**SAFETY ANALYSIS - SUMMARY**
**Pesticides:** ND

**Residual Solvents:** DETECTED

**Heavy Metals:** ND

**Microbiology (PCR):** ND

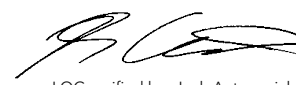
**Microbiology (Plating):** ND

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: Josh Antunovich  
Job Title: Laboratory Director  
Date: 09/27/2023



Approved by: Josh Wurzer  
Job Title: Chief Compliance Officer  
Date: 09/27/2023

Amendment to Certificate of Analysis 230828S007-001



## 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: 2.027 mg/g**

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

**TOTAL CBD: Not Detected**

Total CBD (CBD+0.877\*CBDA)

**TOTAL CANNABINOIDS: 2.133 mg/g**

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

**TOTAL CBG: 0.069 mg/g**

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: 0.012 mg/g**

Total THCV (THCV+0.877\*THCVa)

**TOTAL CBC: 0.016 mg/g**

Total CBC (CBC+0.877\*CBCa)

**TOTAL CBDV: ND**

Total CBDV (CBDV+0.877\*CBDVa)

### CANNABINOID TEST RESULTS - 08/30/2023

| COMPOUND                   | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g)     | RESULT (%)     |
|----------------------------|----------------|--------------------------------|-------------------|----------------|
| $\Delta^9$ -THC            | 0.002 / 0.014  | ±0.1113                        | 2.027             | 0.2027         |
| CBG                        | 0.002 / 0.006  | ±0.0033                        | 0.069             | 0.0069         |
| CBC                        | 0.003 / 0.010  | ±0.0005                        | 0.016             | 0.0016         |
| THCV                       | 0.002 / 0.012  | ±0.0006                        | 0.012             | 0.0012         |
| CBN                        | 0.001 / 0.007  | ±0.0003                        | 0.009             | 0.0009         |
| $\Delta^8$ -THC            | 0.01 / 0.02    | N/A                            | ND                | ND             |
| THCa                       | 0.001 / 0.005  | N/A                            | ND                | ND             |
| THCVa                      | 0.002 / 0.019  | N/A                            | ND                | ND             |
| CBD                        | 0.004 / 0.011  | N/A                            | ND                | ND             |
| CBDA                       | 0.001 / 0.026  | N/A                            | ND                | ND             |
| CBDV                       | 0.002 / 0.012  | 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             |
| <b>SUM OF CANNABINOIDS</b> |                |                                | <b>2.133 mg/g</b> | <b>0.2133%</b> |

### Serving Size: 2.526 grams per Serving

|                                 |                  |
|---------------------------------|------------------|
| $\Delta^9$ -THC per Serving     | 5.120 mg/serving |
| Total THC per Serving           | 5.120 mg/serving |
| CBD per Serving                 | ND               |
| Total CBD per Serving           | ND               |
| Sum of Cannabinoids per Serving | 5.388 mg/serving |
| Total Cannabinoids per Serving  | 5.388 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 - 09/26/2023 ND

| COMPOUND     | LOD/LOQ (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) |
|--------------|----------------|--------------------------------|---------------|
| Abamectin    | 0.03 / 0.10    | N/A                            | ND            |
| Azoxystrobin | 0.02 / 0.07    | N/A                            | ND            |
| Bifenazate   | 0.01 / 0.04    | N/A                            | ND            |
| Bifenthrin   | 0.02 / 0.05    | N/A                            | ND            |
| Boscalid     | 0.03 / 0.09    | N/A                            | ND            |
| Chlorpyrifos | 0.02 / 0.06    | N/A                            | ND            |
| Cypermethrin | 0.11 / 0.32    | N/A                            | ND            |
| Etoxazole    | 0.02 / 0.06    | N/A                            | ND            |
| Hexythiazox  | 0.02 / 0.07    | N/A                            | ND            |
| Imidacloprid | 0.04 / 0.11    | N/A                            | ND            |
| Malathion    | 0.03 / 0.09    | N/A                            | ND            |

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## Pesticide Analysis *Continued*

### PESTICIDE TEST RESULTS - 09/26/2023 *continued ND*

| COMPOUND           | LOD/LOQ (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) |
|--------------------|----------------|--------------------------------|---------------|
| Myclobutanil       | 0.03 / 0.09    | N/A                            | ND            |
| Permethrin         | 0.04 / 0.12    | N/A                            | ND            |
| Piperonyl Butoxide | 0.02 / 0.07    | N/A                            | ND            |
| Propiconazole      | 0.02 / 0.07    | N/A                            | ND            |
| Spiromesifen       | 0.02 / 0.05    | N/A                            | ND            |
| Tebuconazole       | 0.02 / 0.07    | N/A                            | ND            |
| Trifloxystrobin    | 0.03 / 0.08    | N/A                            | ND            |



## Residual Solvents Analysis

### RESIDUAL SOLVENTS TEST RESULTS - 09/26/2023 **DETECTED**

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

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

| COMPOUND                             | LOD/LOQ (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) |
|--------------------------------------|----------------|--------------------------------|---------------|
| Propane                              | 10 / 20        | N/A                            | ND            |
| n-Butane                             | 10 / 50        | N/A                            | ND            |
| n-Pentane                            | 20 / 50        | N/A                            | ND            |
| n-Hexane                             | 2 / 5          | N/A                            | ND            |
| n-Heptane                            | 20 / 60        | N/A                            | ND            |
| Benzene                              | 0.03 / 0.09    | N/A                            | ND            |
| Toluene                              | 7 / 21         | N/A                            | ND            |
| Total Xylenes                        | 50 / 160       | N/A                            | ND            |
| Methanol                             | 50 / 200       | N/A                            | ND            |
| Ethanol                              | 20 / 50        | ±4.8                           | 165           |
| 2-Propanol (Isopropyl Alcohol)       | 10 / 40        | N/A                            | <LOQ          |
| Acetone                              | 20 / 50        | N/A                            | ND            |
| Ethyl Ether                          | 20 / 50        | N/A                            | ND            |
| 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            |



## 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 - 09/23/2023 ND

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

### MICROBIOLOGY TEST RESULTS (PCR) - 09/27/2023 ND

| COMPOUND                                      | RESULT (cfu/g) |
|---|----------------|
| Shiga toxin-producing <i>Escherichia coli</i> | ND             |
| <i>Salmonella</i> spp.                        | ND             |
| Bile-Tolerant Gram-Negative Bacteria          | ND             |
| <i>Staphylococcus aureus</i>                  | ND             |

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

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

### MICROBIOLOGY TEST RESULTS (PLATING) - 09/27/2023 ND

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

### NOTES

Reason for Amendment: Add/Remove Test(s)