

**SAMPLE NAME: C2**

Infused, Hemp

**CULTIVATOR / MANUFACTURER**
**Business Name:**
**License Number:**
**Address:**
**DISTRIBUTOR / TESTED FOR**
**Business Name:** Better Bev Co, LLC

**License Number:**
**Address:**
**SAMPLE DETAIL**
**Batch Number:** TCh5

**Sample ID:** 240103N019

**Date Collected:** 01/03/2024

**Date Received:** 01/03/2024

**Batch Size:**
**Sample Size:** 1.0 units

**Unit Mass:** 473 milliliters per Unit

**Serving Size:**


Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**
**Total THC:** 10.4060 mg/unit

**Total CBD:** Not Detected

**Sum of Cannabinoids:** 10.4060 mg/unit

**Total Cannabinoids:** 10.4060 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:

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

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

$$\text{Sum of Cannabinoids} = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} +$$

$$\text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

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

$$(\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) +$$

$$(\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$
**Density:** 0.9992 g/mL

**SAFETY ANALYSIS - SUMMARY**
**Pesticides:** ND


**Microbiology (PCR):** ND

**Residual Solvents:** DETECTED

**Microbiology (Plating):** ND

**Heavy Metals:** 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.

  
 LQC verified by: Michael Pham  
 Job Title: Senior Laboratory Analyst  
 Date: 01/22/2024

  
 Approved by: Josh Wurzer  
 Job Title: Chief Compliance Officer  
 Date: 01/22/2024

**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)

Amendment to Certificate of Analysis 240103N019-002

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## Cannabinoïd Analysis

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

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

**TOTAL THC: 10.4060 mg/unit**

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

**TOTAL CBD: Not Detected**

Total CBD (CBD+0.877\*CBDa)

**TOTAL CANNABINOIDS: 10.4060 mg/unit**

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

**TOTAL CBG: ND**

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: ND**

Total CBDV (CBDV+0.877\*CBDVa)

**CANNABINOID TEST RESULTS - 01/13/2024**

| COMPOUND                   | LOD/LOQ (mg/mL) | MEASUREMENT UNCERTAINTY (mg/mL) | RESULT (mg/mL)      | RESULT (%)     |
|----------------------------|-----------------|---------------------------------|---------------------|----------------|
| $\Delta^9$ -THC            | 0.0001 / 0.0005 | $\pm 0.00121$                   | 0.0220              | 0.00220        |
| $\Delta^8$ -THC            | 0.0003 / 0.0008 | N/A                             | ND                  | ND             |
| THCa                       | 0.0001 / 0.0002 | N/A                             | ND                  | ND             |
| THCV                       | 0.0001 / 0.0005 | N/A                             | ND                  | ND             |
| THCVa                      | 0.0001 / 0.0007 | N/A                             | ND                  | ND             |
| CBD                        | 0.0001 / 0.0004 | N/A                             | ND                  | ND             |
| CBDa                       | 0.0001 / 0.0010 | N/A                             | ND                  | ND             |
| CBDV                       | 0.0001 / 0.0005 | N/A                             | ND                  | ND             |
| CBDVa                      | 0.0001 / 0.0007 | N/A                             | ND                  | ND             |
| CBG                        | 0.0001 / 0.0002 | N/A                             | ND                  | ND             |
| CBGa                       | 0.0001 / 0.0003 | N/A                             | ND                  | ND             |
| CBL                        | 0.0001 / 0.0004 | N/A                             | ND                  | ND             |
| CBN                        | 0.0001 / 0.0003 | N/A                             | ND                  | ND             |
| CBC                        | 0.0001 / 0.0004 | N/A                             | ND                  | ND             |
| CBCa                       | 0.0001 / 0.0006 | N/A                             | ND                  | ND             |
| <b>SUM OF CANNABINOIDS</b> |                 |                                 | <b>0.0220 mg/mL</b> | <b>0.0022%</b> |

**Unit Mass: 473 milliliters per Unit**

|                              |                 |
|------------------------------|-----------------|
| $\Delta^9$ -THC per Unit     | 10.4060 mg/unit |
| Total THC per Unit           | 10.4060 mg/unit |
| CBD per Unit                 | ND              |
| Total CBD per Unit           | ND              |
| Sum of Cannabinoids per Unit | 10.4060 mg/unit |
| Total Cannabinoids per Unit  | 10.4060 mg/unit |

**DENSITY TEST RESULT**

|  |
|--|
| <b>0.9992 g/mL</b>                           |
| Tested 01/13/2024                            |
| <b>Method:</b> QSP 7870 - Sample Preparation |



## 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 - 01/22/2024 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            |
| 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 Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

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

### RESIDUAL SOLVENTS TEST RESULTS - 01/19/2024 DETECTED

| 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        | ±7.3                           | 253           |
| 2-Propanol (Isopropyl Alcohol)       | 10 / 40        | N/A                            | ND            |
| 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            |

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### Residual Solvents Analysis

*Continued*

#### RESIDUAL SOLVENTS TEST RESULTS - 01/19/2024 *continued* DETECTED

| COMPOUND           | LOD/LOQ (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) |
|--------------------|----------------|--------------------------------|---------------|
| 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 - 01/18/2024 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) - 01/20/2024 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) - 01/20/2024 ND

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

#### NOTES

Reason for Amendment: Add/Remove Test(s)











