

**SAMPLE NAME: CHILL**

Infused, Non-Inhalable

**CULTIVATOR / MANUFACTURER**

**Business Name:**

**License Number:**

**Address:**

**DISTRIBUTOR / TESTED FOR**

**Business Name:** Tonic CBD

**License Number:**

**Address:** 2466 Pennsylvania Ave  
Sayre PA 18840



**SAMPLE DETAIL**

**Batch Number:** 2-0030D

**Sample ID:** 210224N036

**Date Collected:** 02/24/2021

**Date Received:** 02/25/2021

**Batch Size:**

**Sample Size:** 1.0 units

**Unit Mass:** 28.281 grams per Unit

**Serving Size:**



Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**

**Total THC:** Not Detected

**Total CBD:** 766.754 mg/unit

**Sum of Cannabinoids:** 789.266 mg/unit

**Total Cannabinoids:** 789.265 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 =  $(\Delta 9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDA}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$

**Moisture:** NT

**Density:** 0.9427 g/mL

**Viscosity:** NT

**SAFETY ANALYSIS - SUMMARY**

**$\Delta 9\text{THC}$  per Unit:** PASS

**Foreign Material:** NT

**Water Activity:** NT

**Vitamin E Acetate:** NT

**Pesticides:** NT

**Mycotoxins:** NT

**Residual Solvents:** NT

**Heavy Metals:** NT

**Microbial Impurities (PCR):** PASS

**Microbial Impurities (Plating):** NT

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:** California Code of Regulations Title 16 Effect Date January 16, 2019. Authority: Section 26013, 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)

*Carmen Stackhouse* *Josh Wurzer*  
 LQC verified by: Carmen Stackhouse Date: 02/28/2021  
 Approved by: Josh Wurzer, President Date: 02/28/2021



CANNABINOID TEST RESULTS - 02/28/2021

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: 766.754 mg/unit**

Total CBD (CBD+0.877\*CBDA)

**TOTAL CANNABINOIDS: 789.265 mg/unit**

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

**TOTAL CBG: 13.320 mg/unit**

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: ND**

Total THCV (THCV+0.877\*THCVa)

**TOTAL CBC: <LOQ**

Total CBC (CBC+0.877\*CBCa)

**TOTAL CBDV: 8.654 mg/unit**

Total CBDV (CBDV+0.877\*CBDVa)

| COMPOUND                   | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g)      | RESULT (%)     |
|----------------------------|----------------|--------------------------------|--------------------|----------------|
| CBD                        | 0.004 / 0.011  | ±1.2987                        | 27.112             | 2.7112         |
| CBG                        | 0.002 / 0.006  | ±0.0293                        | 0.471              | 0.0471         |
| CBDV                       | 0.002 / 0.012  | ±0.0160                        | 0.306              | 0.0306         |
| CBN                        | 0.001 / 0.007  | ±0.0007                        | 0.019              | 0.0019         |
| CBC                        | 0.003 / 0.010  | N/A                            | <LOQ               | <LOQ           |
| $\Delta 9$ THC             | 0.002 / 0.014  | N/A                            | ND                 | ND             |
| $\Delta 8$ THC             | 0.01 / 0.02    | N/A                            | ND                 | ND             |
| 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             |
| 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             |
| CBCa                       | 0.001 / 0.015  | N/A                            | ND                 | ND             |
| <b>SUM OF CANNABINOIDS</b> |                |                                | <b>27.908 mg/g</b> | <b>2.7908%</b> |

Unit Mass: 28.281 grams per Unit

|                              |                        |                 |      |
|------------------------------|------------------------|-----------------|------|
| $\Delta 9$ THC per Unit      | 1120 per-package limit | ND              | PASS |
| Total THC per Unit           |                        | ND              |      |
| CBD per Unit                 |                        | 766.754 mg/unit |      |
| Total CBD per Unit           |                        | 766.754 mg/unit |      |
| Sum of Cannabinoids per Unit |                        | 789.266 mg/unit |      |
| Total Cannabinoids per Unit  |                        | 789.265 mg/unit |      |

MOISTURE TEST RESULT

|            |
|------------|
| Not Tested |
|------------|

DENSITY TEST RESULT

|                                       |
|---------------------------------------|
| 0.9427 g/mL                           |
| Tested 02/28/2021                     |
| Method: QSP 7870 - Sample Preparation |

VISCOSITY TEST RESULT

|            |
|------------|
| Not Tested |
|------------|



 **Microbial Impurities Analysis**  
 PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbial impurities.

**Method:** QSP 1221 - Analysis of Microbial Impurities

**MICROBIAL IMPURITIES TEST RESULTS (PCR) - 02/27/2021** ✔ PASS

| COMPOUND                                      | ACTION LIMIT | RESULT | RESULT |
|---|--------------|--------|--------|
| Shiga toxin-producing <i>Escherichia coli</i> | Detect       | ND     | PASS   |
| <i>Salmonella</i> spp.                        | Detect       | ND     | PASS   |
| <i>Aspergillus fumigatus</i>                  |              | NT     |        |
| <i>Aspergillus flavus</i>                     |              | NT     |        |
| <i>Aspergillus niger</i>                      |              | NT     |        |
| <i>Aspergillus terreus</i>                    |              | NT     |        |

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbial impurities.

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

**MICROBIAL IMPURITIES TEST RESULTS (PLATING)**

| COMPOUND             | RESULT (cfu/g) |
|----------------------|----------------|
| Aerobic Plate Count  | NT             |
| Total Yeast and Mold | NT             |

