

**SAMPLE NAME: TROPICAL BURST 10:1 - JC**

Infused, Solid Edible

**CULTIVATOR / MANUFACTURER**
**Business Name:**
**License Number:**
**Address:**
**DISTRIBUTOR / TESTED FOR**
**Business Name:** Jolly Cannabis

**License Number:**
**Address:** 1505 E 29th Ave  
Phoenix AZ 85007

**SAMPLE DETAIL**
**Batch Number:** TRC10N101722JC

**Sample ID:** 221031N014

**Date Collected:** 10/31/2022

**Date Received:** 10/31/2022

**Batch Size:**
**Sample Size:** 6.0 units

**Unit Mass:**
**Serving Size:** 6.1378 grams per Serving


Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**
**Total THC:** **0.1855%**
**Total CBD:** **1.8053%**
**Sum of Cannabinoids:** **2.0066%**
**Total Cannabinoids:** **2.0066%**

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

$$\text{Total THC} = \Delta^8\text{-THC} + (\text{THCa} \cdot 0.877)$$

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

$$\text{Sum of Cannabinoids} = \Delta^8\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

$$\text{Total Cannabinoids} = (\Delta^8\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) +$$

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


$$(\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$
**SAFETY ANALYSIS - SUMMARY**
**Pesticides:** **✓PASS**
**Mycotoxins:** **✓PASS**
**Residual Solvents:** **✓PASS**
**Heavy Metals:** **✓PASS**
**Microbiology (PCR):** **✓PASS**
**Foreign Material:** **✓PASS**
**Water Activity:** **✓PASS**

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)



Approved by: Josh Wurzer  
Job Title: President  
Date: 11/04/2022



## 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: 0.1855%

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

### TOTAL CBD: 1.8053%

Total CBD (CBD+0.877\*CBDa)

### TOTAL CANNABINOIDS: 2.0066%

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

### TOTAL CBG: 0.0044%

Total CBG (CBG+0.877\*CBGa)

### TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

### TOTAL CBC: 0.0013%

Total CBC (CBC+0.877\*CBCa)

### TOTAL CBDV: 0.0042%

Total CBDV (CBDV+0.877\*CBDVa)

## CANNABINOID TEST RESULTS - 11/02/2022

| COMPOUND                   | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g)      | RESULT (%)     |
|----------------------------|----------------|--------------------------------|--------------------|----------------|
| CBD                        | 0.004 / 0.011  | ±0.6734                        | 18.053             | 1.8053         |
| $\Delta^9$ -THC            | 0.002 / 0.014  | ±0.1018                        | 1.855              | 0.1855         |
| CBN                        | 0.001 / 0.007  | ±0.0017                        | 0.059              | 0.0059         |
| CBG                        | 0.002 / 0.006  | ±0.0021                        | 0.044              | 0.0044         |
| CBDV                       | 0.002 / 0.012  | ±0.0017                        | 0.042              | 0.0042         |
| CBC                        | 0.003 / 0.010  | ±0.0004                        | 0.013              | 0.0013         |
| $\Delta^8$ -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>20.066 mg/g</b> | <b>2.0066%</b> |

## Serving Size: 6.1378 grams per Serving

|                                 |                    |
|---------------------------------|--------------------|
| $\Delta^9$ -THC per Serving     | 11.386 mg/serving  |
| Total THC per Serving           | 11.386 mg/serving  |
| CBD per Serving                 | 110.806 mg/serving |
| Total CBD per Serving           | 110.806 mg/serving |
| Sum of Cannabinoids per Serving | 123.161 mg/serving |
| Total Cannabinoids per Serving  | 123.162 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 - 11/03/2022 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   |
| Acephate     | 0.02 / 0.07    | 5                   | N/A                            | ND            | PASS   |
| Acequinocyl  | 0.02 / 0.07    | 4                   | N/A                            | ND            | PASS   |
| Acetamiprid  | 0.02 / 0.05    | 5                   | N/A                            | ND            | PASS   |
| Aldicarb     | 0.03 / 0.08    | ≥ LOD               | 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   |
| Captan       | 0.19 / 0.57    | 5                   | N/A                            | ND            | PASS   |
| Carbaryl     | 0.02 / 0.06    | 0.5                 | N/A                            | ND            | PASS   |

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**Pesticide Analysis** *Continued*

PESTICIDE TEST RESULTS - 11/03/2022 *continued*  **PASS**

| COMPOUND                 | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Carbofuran               | 0.02 / 0.05    | ≥ LOD               | N/A                            | ND            | PASS   |
| Chlorantraniliprole      | 0.04 / 0.12    | 40                  | N/A                            | ND            | PASS   |
| Chlordane*               | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Chlorfenapyr*            | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| Chlorpyrifos             | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Clofentezine             | 0.03 / 0.09    | 0.5                 | N/A                            | ND            | PASS   |
| Coumaphos                | 0.02 / 0.07    | ≥ LOD               | N/A                            | ND            | PASS   |
| Cyfluthrin               | 0.12 / 0.38    | 1                   | N/A                            | ND            | PASS   |
| Cypermethrin             | 0.11 / 0.32    | 1                   | N/A                            | ND            | PASS   |
| Daminozide               | 0.02 / 0.07    | ≥ LOD               | N/A                            | ND            | PASS   |
| Diazinon                 | 0.02 / 0.05    | 0.2                 | N/A                            | ND            | PASS   |
| Dichlorvos (DDVP)        | 0.03 / 0.09    | ≥ LOD               | N/A                            | ND            | PASS   |
| Dimethoate               | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Dimethomorph             | 0.03 / 0.09    | 20                  | N/A                            | ND            | PASS   |
| Ethoprophos              | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| Etofenprox               | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Etoxazole                | 0.02 / 0.06    | 1.5                 | N/A                            | ND            | PASS   |
| Fenhexamid               | 0.03 / 0.09    | 10                  | N/A                            | ND            | PASS   |
| Fenoxycarb               | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Fenpyroximate            | 0.02 / 0.06    | 2                   | N/A                            | ND            | PASS   |
| Fipronil                 | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Flonicamid               | 0.03 / 0.10    | 2                   | N/A                            | ND            | PASS   |
| Fludioxonil              | 0.03 / 0.10    | 30                  | N/A                            | ND            | PASS   |
| Hexythiazox              | 0.02 / 0.07    | 2                   | N/A                            | ND            | PASS   |
| Imazalil                 | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Imidacloprid             | 0.04 / 0.11    | 3                   | N/A                            | ND            | PASS   |
| Kresoxim-methyl          | 0.02 / 0.07    | 1                   | N/A                            | ND            | PASS   |
| Malathion                | 0.03 / 0.09    | 5                   | N/A                            | ND            | PASS   |
| Metalaxyl                | 0.02 / 0.07    | 15                  | N/A                            | ND            | PASS   |
| Methiocarb               | 0.02 / 0.07    | ≥ LOD               | N/A                            | ND            | PASS   |
| Methomyl                 | 0.03 / 0.10    | 0.1                 | N/A                            | ND            | PASS   |
| Mevinphos                | 0.03 / 0.09    | ≥ LOD               | N/A                            | ND            | PASS   |
| Myclobutanil             | 0.03 / 0.09    | 9                   | N/A                            | ND            | PASS   |
| Naled                    | 0.02 / 0.07    | 0.5                 | N/A                            | ND            | PASS   |
| Oxamyl                   | 0.04 / 0.11    | 0.2                 | N/A                            | ND            | PASS   |
| Paclobutrazol            | 0.02 / 0.05    | ≥ LOD               | N/A                            | ND            | PASS   |
| Parathion-methyl         | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| Pentachloronitrobenzene* | 0.03 / 0.09    | 0.2                 | N/A                            | ND            | PASS   |
| Permethrin               | 0.04 / 0.12    | 20                  | N/A                            | ND            | PASS   |
| Phosmet                  | 0.03 / 0.10    | 0.2                 | N/A                            | ND            | PASS   |
| Piperonyl Butoxide       | 0.02 / 0.07    | 8                   | N/A                            | ND            | PASS   |

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### Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 11/03/2022 *continued* ✔ PASS

| COMPOUND        | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|-----------------|----------------|---------------------|--------------------------------|---------------|--------|
| Prallethrin     | 0.03 / 0.08    | 0.4                 | N/A                            | ND            | PASS   |
| Propiconazole   | 0.02 / 0.07    | 20                  | N/A                            | ND            | PASS   |
| Propoxur        | 0.03 / 0.09    | ≥ LOD               | N/A                            | ND            | PASS   |
| Pyrethrins      | 0.04 / 0.12    | 1                   | N/A                            | ND            | PASS   |
| Pyridaben       | 0.02 / 0.07    | 3                   | N/A                            | ND            | PASS   |
| Spinetoram      | 0.02 / 0.07    | 3                   | N/A                            | ND            | PASS   |
| Spinosad        | 0.02 / 0.07    | 3                   | N/A                            | ND            | PASS   |
| Spiromesifen    | 0.02 / 0.05    | 12                  | N/A                            | ND            | PASS   |
| Spirotetramat   | 0.02 / 0.06    | 13                  | N/A                            | ND            | PASS   |
| Spiroxamine     | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Tebuconazole    | 0.02 / 0.07    | 2                   | N/A                            | ND            | PASS   |
| Thiacloprid     | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| Thiamethoxam    | 0.03 / 0.10    | 4.5                 | N/A                            | ND            | PASS   |
| Trifloxystrobin | 0.03 / 0.08    | 30                  | N/A                            | ND            | PASS   |



### Mycotoxin Analysis

MYCOTOXIN TEST RESULTS - 11/03/2022 ✔ PASS

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) | RESULT |
|-----------------|-----------------|----------------------|---------------------------------|----------------|--------|
| Aflatoxin B1    | 2.0 / 6.0       |                      | N/A                             | ND             |        |
| Aflatoxin B2    | 1.8 / 5.6       |                      | N/A                             | ND             |        |
| Aflatoxin G1    | 1.0 / 3.1       |                      | N/A                             | ND             |        |
| Aflatoxin G2    | 1.2 / 3.5       |                      | N/A                             | ND             |        |
| Total Aflatoxin |                 | 20                   |                                 | ND             | PASS   |
| Ochratoxin A    | 6.3 / 19.2      | 20                   | N/A                             | ND             | PASS   |



### Residual Solvents Analysis

RESIDUAL SOLVENTS TEST RESULTS - 11/03/2022 ✔ PASS

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) | 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   |

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## Residual Solvents Analysis

Continued

RESIDUAL SOLVENTS TEST RESULTS - 11/03/2022 *continued* ✔ PASS

| COMPOUND                             | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------------------------|----------------|---------------------|--------------------------------|---------------|--------|
| 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 - 11/03/2022 ✔ 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

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

Method: QSP 1221 - Analysis of Microbiological Contaminants

MICROBIOLOGY TEST RESULTS (PCR) - 11/02/2022 ✔ PASS

| COMPOUND                                      | ACTION LIMIT       | RESULT | RESULT |
|---|--------------------|--------|--------|
| Shiga toxin-producing <i>Escherichia coli</i> | Not Detected in 1g | ND     | PASS   |
| <i>Salmonella</i> spp.                        | Not Detected in 1g | ND     | PASS   |

## Foreign Material Analysis

Visual analysis includes, but is not limited to, sand, soil, cinders, dirt, mold, hair, insect fragments, and mammalian excreta.

Method: QSP 1226 - Analysis of Foreign Material in Cannabis and Cannabis Products

FOREIGN MATERIAL TEST RESULTS - 11/01/2022 ✔ PASS

| COMPOUND  | ACTION LIMIT    | RESULT |
|---|-----------------|--------|
| Total Sample Area Covered by Sand, Soil, Cinders, or Dirt | >25%            | PASS   |
| Total Sample Area Covered by Mold                         | >25%            | PASS   |
| Total Sample Area Covered by an Imbedded Foreign Material | >25%            | PASS   |
| Insect Fragment Count                                     | > 1 per 3 grams | PASS   |
| Hair Count  | > 1 per 3 grams | PASS   |
| Mammalian Excreta Count                                   | > 1 per 3 grams | PASS   |



## Water Activity Analysis

Method: QSP 1227 - Analysis of Water Activity in Cannabis and Cannabis Products

### WATER ACTIVITY TEST RESULTS - 11/02/2022 ✓ PASS

| COMPOUND       | LOD/LOQ (Aw)  | ACTION LIMIT (Aw) | MEASUREMENT UNCERTAINTY (Aw) | RESULT (Aw) | RESULT |
|----------------|---------------|-------------------|------------------------------|-------------|--------|
| Water Activity | 0.030 / 0.030 | 0.85              | ±0.0356                      | 0.732       | PASS   |