

Grow Sciences


Grow Sciences
Phoenix, AZ 85032
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(480) 442-5621
Lic. #00000114ESQS66067289

Sample: 2403LVL0453.2484

Secondary License: ; Chain of Distribution:
Strain: Tropical Cherry; Batch#: C.TC240227CT.HYD; Batch Size: 11 g
Sample Received: 03/27/2024; Report Created: 04/02/2024; Expires: 04/02/2025
Sampling Date: 03/27/2024; Sampling Time: 9; Sampling Person: MZ
Harvest Date: 01/30/2024; Manufacturing Date: 02/27/2024

Tropical Cherry Cartridge
Concentrates & Extracts, Live Resin, Butane



| | | | |
|---|-------------------|-------------------|--------------------|
|  | 82.08% | <LOQ | 93.14% |
| | Total THC | Total CBD | |
| | 70.23 mg/g | Not Tested | Total Cannabinoids |
| | Total Terpenes | NT Moisture | |

Cannabinoids

Complete

| Analyte | LOQ | Mass | Mass | Qualifier |
|--------------|-------|---------------|---------------|-----------|
| | % | % | mg/g | |
| THCa | 0.667 | 39.618 | 396.18 | |
| Δ9-THC | 0.667 | 47.336 | 473.36 | |
| Δ8-THC | 0.667 | ND | ND | |
| THCVa | 0.667 | <LOQ | <LOQ | |
| THCV | 0.667 | <LOQ | <LOQ | M1 |
| CBDa | 0.667 | <LOQ | <LOQ | |
| CBD | 0.667 | ND | ND | |
| CBDVa | 0.667 | ND | ND | |
| CBDV | 0.667 | ND | ND | |
| CBN | 0.667 | ND | ND | |
| CBGa | 0.667 | 3.929 | 39.29 | |
| CBG | 0.667 | 1.225 | 12.25 | |
| CBCa | 0.667 | 1.030 | 10.30 | Q3 |
| CBC | 0.667 | ND | ND | M1 |
| Total | | 93.138 | 931.38 | Q3 |

Qualifiers:
Date Tested: 03/27/2024 07:00 am

Total THC = THCa * 0.877 + d9-THC
Total CBD = CBDa * 0.877 + CBD

The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Cannabinoid potency performed by HPLC-DAD per SOP-(1608). ADHS approved method for potency by HPLC-DAD for all listed analytes.

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Terpenes

| Analyte | LOQ | Mass | MassQualifier | Analyte | LOQ | Mass | MassQualifier | | |
|---------------------|------|-------|---------------|---------|------------------|------|---------------|------|----|
| | mg/g | mg/g | % | | mg/g | mg/g | % | | |
| β-Caryophyllene | 0.81 | 16.99 | 1.699 | Q3 | cis-Ocimene | 0.12 | ND | ND | Q3 |
| δ-Limonene | 0.81 | 15.49 | 1.549 | Q3 | Citronellol | 4.05 | ND | ND | Q3 |
| Farnesene | 0.07 | 12.07 | 1.207 | Q3 | Eucalyptol | 0.41 | ND | ND | Q3 |
| β-Myrcene | 0.41 | 11.65 | 1.165 | Q3 | Fenchone | 0.81 | <LOQ | <LOQ | Q3 |
| α-Humulene | 0.41 | 4.18 | 0.418 | Q3 | γ-Terpinene | 0.41 | <LOQ | <LOQ | Q3 |
| Linalool | 0.81 | 3.44 | 0.344 | Q3 | γ-Terpineol | 0.09 | ND | ND | Q3 |
| α-Bisabolol | 0.41 | 1.45 | 0.145 | Q3 | Geraniol | 8.11 | ND | ND | Q3 |
| Fenchol | 0.41 | 1.34 | 0.134 | Q3 | Geranyl Acetate | 0.41 | ND | ND | Q3 |
| α-Pinene | 0.41 | 1.23 | 0.123 | Q3 | Guaiol | 0.41 | ND | ND | Q3 |
| α-Terpineol | 0.66 | 1.13 | 0.113 | Q3 | Isoborneol | 4.05 | ND | ND | Q3 |
| β-Pinene | 0.81 | 0.83 | 0.083 | Q3 | Isopulegol | 0.41 | ND | ND | Q3 |
| Camphene | 0.41 | 0.43 | 0.043 | Q3 | Menthol | 0.41 | ND | ND | Q3 |
| 3-Carene | 0.81 | ND | ND | Q3 | Nerol | 0.41 | ND | ND | Q3 |
| α-Cedrene | 0.41 | ND | ND | Q3 | Pulegone | 0.41 | ND | ND | Q3 |
| α-Phellandrene | 0.41 | ND | ND | Q3 | p-Cymene | 0.41 | ND | ND | Q3 |
| α-Terpinene | 0.41 | ND | ND | Q3 | Sabinene | 0.41 | ND | ND | Q3 |
| β-Eudesmol | 0.41 | <LOQ | <LOQ | Q3 | Sabinene Hydrate | 0.41 | ND | ND | Q3 |
| Borneol | 1.22 | <LOQ | <LOQ | Q3 | Terpinolene | 0.81 | <LOQ | <LOQ | Q3 |
| Camphor | 1.62 | ND | ND | Q3 | trans-Nerolidol | 0.41 | ND | ND | Q3 |
| Caryophyllene Oxide | 0.41 | <LOQ | <LOQ | Q3 | trans-Ocimene | 0.27 | ND | ND | Q3 |
| Cedrol | 0.41 | ND | ND | Q3 | Valencene | 0.41 | ND | ND | Q3 |
| cis-Nerolidol | 0.81 | ND | ND | Q3 | | | | | |


Primary Aromas




Cinnamon




Lemon



Magnolia



Hops



Lavender

70.23 mg/g
Total Terpenes

Qualifiers:
Date Tested: 03/29/2024 12:00 am

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Qualifying code Q3: For informational purposes only.

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Tropical Cherry Cartridge
Concentrates & Extracts, Live Resin, Butane



Residual Solvents

Pass

| Analyte | LOQ PPM | Limit PPM | Mass PPM | Status | Qualifier |
|-------------------|------------|--------------|-------------|--------|-----------|
| Acetone | 364.110 | 1000.000 | ND | Pass | |
| Acetonitrile | 148.010 | 410.000 | ND | Pass | |
| Benzene | 0.720 | 2.000 | ND | Pass | V1 L1 M1 |
| Butanes | 2422.580 | 5000.000 | ND | Pass | |
| Chloroform | 21.800 | 60.000 | ND | Pass | |
| Dichloromethane | 221.560 | 600.000 | ND | Pass | |
| Ethanol | 1806.550 | 5000.000 | ND | Pass | |
| Ethyl-Acetate | 1808.270 | 5000.000 | ND | Pass | |
| Ethyl-Ether | 1801.210 | 5000.000 | ND | Pass | |
| Heptane | 1803.830 | 5000.000 | ND | Pass | |
| Hexanes | 103.980 | 290.000 | ND | Pass | |
| Isopropanol | 1798.080 | 5000.000 | ND | Pass | |
| Isopropyl-Acetate | 1801.410 | 5000.000 | ND | Pass | |
| Methanol | 1078.020 | 3000.000 | ND | Pass | |
| Pentanes | 1813.100 | 5000.000 | ND | Pass | M1 V1 |
| Toluene | 324.440 | 890.000 | ND | Pass | |
| Xylenes | 777.340 | 2170.000 | ND | Pass | |

LEVEL ONE

Qualifiers:
Date Tested: 03/27/2024 07:00 am

Performed by GCMS-HS per SOP-LM-014. Methods used per AZDHS R9-17-404.03 and solvent limits set by AZDHS R9-17 Table 3.1. ADHS approved method for residual solvents by GCMS-HS for all listed analytes.



Certificate of Analysis

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Tropical Cherry Cartridge

Concentrates & Extracts, Live Resin, Butane



Pesticides

Pass

| Analyte | LOQ | Limit | Units | Status | Qualifier | Analyte | LOQ | Limit | Units | Status | Qualifier |
|---------------------|-------|-------|-------|--------|-----------|--------------------|-------|-------|-------|--------|-----------|
| | PPM | PPM | PPM | | | | PPM | PPM | PPM | | |
| Abamectin | 0.030 | 0.500 | ND | Pass | M2 | Hexythiazox | 0.040 | 1.000 | ND | Pass | |
| Acephate | 0.040 | 0.400 | ND | Pass | | Imazalil | 0.040 | 0.200 | ND | Pass | M2 |
| Acetamiprid | 0.040 | 0.200 | ND | Pass | | Imidacloprid | 0.040 | 0.400 | ND | Pass | |
| Aldicarb | 0.040 | 0.400 | ND | Pass | R1 | Kresoxim Methyl | 0.040 | 0.400 | ND | Pass | |
| Azoxystrobin | 0.050 | 0.200 | ND | Pass | | Malathion | 0.040 | 0.200 | ND | Pass | |
| Bifenazate | 0.040 | 0.200 | ND | Pass | | Metalaxyl | 0.040 | 0.200 | ND | Pass | M2 |
| Bifenthrin | 0.040 | 0.200 | ND | Pass | M2 | Methiocarb | 0.040 | 0.200 | ND | Pass | |
| Boscalid | 0.040 | 0.400 | ND | Pass | | Methomyl | 0.040 | 0.400 | ND | Pass | |
| Carbaryl | 0.040 | 0.200 | ND | Pass | M2 | Myclobutanil | 0.050 | 0.200 | ND | Pass | |
| Carbofuran | 0.040 | 0.200 | ND | Pass | | Naled | 0.040 | 0.500 | ND | Pass | |
| Chlorantraniliprole | 0.040 | 0.200 | ND | Pass | L1 V1 | Oxamyl | 0.040 | 1.000 | ND | Pass | |
| Chlorfenapyr | 0.450 | 1.000 | ND | Pass | | Pacllobutrazol | 0.040 | 0.400 | ND | Pass | |
| Chlorpyrifos | 0.050 | 0.200 | ND | Pass | M2 | Permethrins | 0.040 | 0.200 | ND | Pass | M2 |
| Clofentezine | 0.040 | 0.200 | ND | Pass | | Phosmet | 0.040 | 0.200 | ND | Pass | |
| Cyfluthrin | 0.440 | 1.000 | ND | Pass | M2 | Piperonyl Butoxide | 0.040 | 2.000 | ND | Pass | M2 |
| Cypermethrin | 0.040 | 1.000 | ND | Pass | M2 | Prallethrin | 0.040 | 0.200 | ND | Pass | |
| Daminozide | 0.440 | 1.000 | ND | Pass | | Propiconazole | 0.040 | 0.400 | ND | Pass | M2 |
| Dichlorvos (DDVP) | 0.040 | 0.100 | ND | Pass | | Propoxur | 0.050 | 0.200 | ND | Pass | |
| Diazinon | 0.050 | 0.200 | ND | Pass | | Pyrethrins | 0.450 | 1.000 | ND | Pass | M2 |
| Dimethoate | 0.040 | 0.200 | ND | Pass | | Pyridaben | 0.040 | 0.200 | ND | Pass | |
| Ethoprophos | 0.040 | 0.200 | ND | Pass | M2 | Spinosad | 0.040 | 0.200 | ND | Pass | M2 |
| Etofenprox | 0.040 | 0.400 | ND | Pass | M2 | Spiromesifen | 0.040 | 0.200 | ND | Pass | M2 |
| Etoxazole | 0.040 | 0.200 | ND | Pass | M2 | Spirotetramat | 0.040 | 0.200 | ND | Pass | |
| Fenoxycarb | 0.050 | 0.200 | ND | Pass | | Spiroxamine | 0.040 | 0.400 | ND | Pass | |
| Fenpyroximate | 0.040 | 0.400 | ND | Pass | M2 | Tebuconazole | 0.040 | 0.400 | ND | Pass | |
| Fipronil | 0.040 | 0.400 | ND | Pass | | Thiacloprid | 0.040 | 0.200 | ND | Pass | |
| Fonicamid | 0.040 | 1.000 | ND | Pass | | Thiamethoxam | 0.040 | 0.200 | ND | Pass | |
| Fludioxonil | 0.040 | 0.400 | ND | Pass | | Trifloxystrobin | 0.040 | 0.200 | ND | Pass | |

Herbicides

| Analyte | LOQ | Limit | Units | Status |
|---------|-----|-------|-------|--------|
|---------|-----|-------|-------|--------|

Qualifiers:

Date Tested: 04/01/2024 07:00 am
Performed by LCMSMS per SOP-LM-021 and SOP-LM-022. ND = Not Detected; NR = Not Reported. Methods used per AZDHS R9-17-404.03 and pesticide limits set by AZDHS R9-17 Table 3.1. ADHS approved method for pesticide testing by LCMSMS for full list effective 5/1/2021.



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Tropical Cherry Cartridge
Concentrates & Extracts, Live Resin, Butane



Mycotoxins

Pass

Total Ochratoxins Date Tested: 03/29/2024
Total Aflatoxins Date Tested: 03/29/2024

| Analyte | LOQ | Limit | Units | Status | Qualifier |
|------------------------------------|-------|-------|-------|--------|-----------|
| | µg/kg | µg/kg | µg/kg | | |
| Total Aflatoxins (B1 B2 G1 and G2) | 4.00 | 20.00 | 4.07 | Pass | |
| Total Ochratoxins (A and B) | 2.00 | 20.00 | 4.73 | Pass | |

LEVEL ONE

TNTC = Too Numerous to Count. The lower limit of quantification for Aflatoxin is 4ppb and the lower limit of quantification for Ochratoxin is 2ppb unless noted on the CoA by further dilution. Unless otherwise stated all quality control samples performed within specifications. Analysis Method/Instrumentation: direct ELISA produced by Romer Labs and read on Bio-Tek 800TS microplate reader. Procedure followed SOP-LM-018. Methods used per AZDHS R9-17-404.03 and R9-17-404.04 and limits set by AZDHS R9-17 Table 3.1. ADHS approved method.



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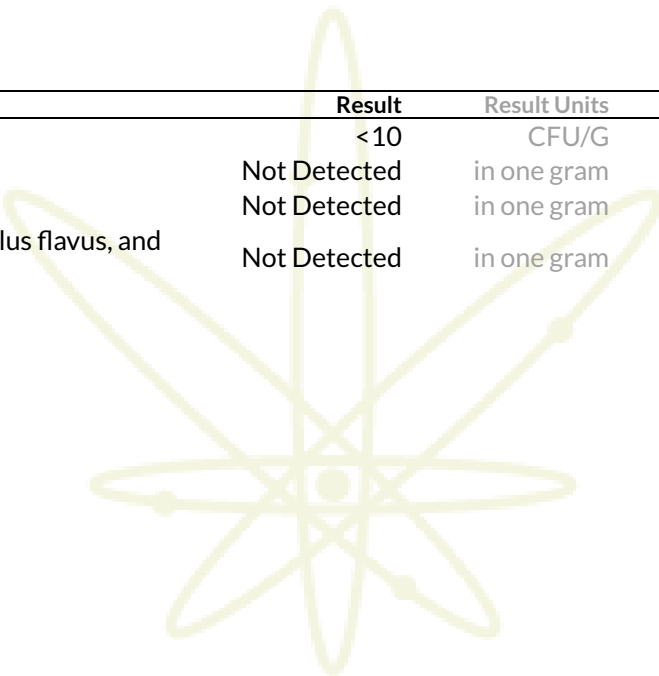
Tropical Cherry Cartridge
Concentrates & Extracts, Live Resin, Butane



Microbials

Pass

| Analyte | Result | Result Units | Status | Qualifier |
|--|--------------|--------------|--------|-----------|
| E. Coli | <10 | CFU/G | Pass | |
| Salmonella | Not Detected | in one gram | Pass | |
| Aspergillus terreus | Not Detected | in one gram | Pass | |
| Aspergillus fumigatus, Aspergillus flavus, and Aspergillus niger | Not Detected | in one gram | Pass | |



LEVEL ONE

Qualifiers:
Date Tested: 03/29/2024 12:00 am

TNTC = Too Numerous to Count. The lower limit of quantification for E. coli is 10 CFU/g unless noted on the CoA by further dilution. Unless otherwise stated all quality control samples performed within specifications. Analysis Method/Instrumentation: E. coli plating via 3M Petrifilm per SOP-LM-019, Salmonella spp. And Aspergillus spp. detection by Bio-Rad CFX96 Deep Well real-time PCR per SOP-LM-016 & SOP-LM-017. Methods used per AZDHS R9-17-404.04 and microbial limits set by AZDHS R9-17 Table 3.1. ADHS approved method for microbials for all listed organisms.



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Tropical Cherry Cartridge

Concentrates & Extracts, Live Resin, Butane



Heavy Metals

Pass

| Analyte | Mass PPM | Limit PPM | Status | Qualifier |
|---------|-------------|--------------|--------|-----------|
| Arsenic | <0.400 | 0.400 | Pass | |
| Cadmium | <0.400 | 0.400 | Pass | |
| Lead | <1.000 | 1.000 | Pass | |
| Mercury | <0.200 | 0.200 | Pass | |

LEVEL ONE

Qualifiers:
Date Tested: 03/28/2024 07:00 am

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Subcontracted through IAS. Approved for all analytes by ICP-OES. Inter Ag Services Inc. Registration Certificate Identification Number: 00000009LCSL00311854



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