

SAMPLE NAME: Softgels

Infused, Non-Inhalable

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

DISTRIBUTOR

Business Name: Coastal Clouds

License Number:

Address:



SAMPLE DETAIL

Batch Number: CC82NP

Sample ID: 200617R008

Date Collected: 06/17/2020

Date Received: 06/17/2020

Batch Size:

Sample Size:

Unit Mass: 0.7076 Grams per Unit

Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 0.939 mg/unit

Total CBD: 29.254 mg/unit

Sum of Cannabinoids: 34.279 mg/unit

Total Cannabinoids: 34.279 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: NT

Viscosity: NT

SAFETY ANALYSIS - SUMMARY

$\Delta 9\text{THC}$ per Unit: ✔ PASS

Foreign Material: NT

Water Activity: NT

Vitamin E Acetate: NT

Pesticides: ✔ PASS

Mycotoxins: NT

Residual Solvents: ✔ PASS

Heavy Metals: ✔ PASS

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)


 LQC verified by: Josh Antunovich
 Date: 06/24/2020


 Approved by: Josh Wurzer, President
 Date: 06/24/2020



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: 0.939 mg/unit

Total THC ($\Delta 9\text{THC} + 0.877 * \text{THCa}$)

TOTAL CBD: 29.254 mg/unit

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

TOTAL CANNABINOIDS: 34.279 mg/unit

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

TOTAL CBG: 0.624 mg/unit

Total CBG ($\text{CBG} + 0.877 * \text{CBGa}$)

TOTAL THCV: ND

Total THCV ($\text{THCV} + 0.877 * \text{THCVa}$)

TOTAL CBC: 3.263 mg/unit

Total CBC ($\text{CBC} + 0.877 * \text{CBCa}$)

TOTAL CBDV: 0.096 mg/unit

Total CBDV ($\text{CBDV} + 0.877 * \text{CBDVa}$)

CANNABINOID TEST RESULTS - 06/20/2020

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|----------------------------|----------------|--------------------------------|--------------------|----------------|
| CBD | 0.004 / 0.011 | ± 1.9803 | 41.342 | 4.1342 |
| CBC | 0.003 / 0.010 | ± 0.1909 | 4.612 | 0.4612 |
| $\Delta 9\text{THC}$ | 0.002 / 0.005 | ± 0.0936 | 1.327 | 0.1327 |
| CBG | 0.002 / 0.005 | ± 0.0549 | 0.882 | 0.0882 |
| CBDV | 0.002 / 0.007 | ± 0.0071 | 0.136 | 0.0136 |
| CBL | 0.003 / 0.008 | ± 0.0044 | 0.092 | 0.0092 |
| CBN | 0.001 / 0.004 | ± 0.0020 | 0.053 | 0.0053 |
| $\Delta 8\text{THC}$ | 0.01 / 0.02 | N/A | ND | ND |
| THCa | 0.001 / 0.002 | N/A | ND | ND |
| THCV | 0.002 / 0.008 | N/A | ND | ND |
| THCVa | 0.002 / 0.005 | N/A | ND | ND |
| CBDa | 0.001 / 0.003 | N/A | ND | ND |
| CBDVa | 0.001 / 0.003 | N/A | ND | ND |
| CBGa | 0.002 / 0.006 | N/A | ND | ND |
| CBCa | 0.001 / 0.004 | N/A | ND | ND |
| SUM OF CANNABINOIDS | | | 48.444 mg/g | 4.8444% |

Unit Mass: 0.7076 Grams per Unit

| | | | |
|-------------------------------|--------------------------|----------------|------|
| $\Delta 9\text{THC}$ per Unit | 1000.0 per-package limit | 0.939 mg/unit | PASS |
| Total THC per Unit | | 0.939 mg/unit | |
| CBD per Unit | | 29.254 mg/unit | |
| Total CBD per Unit | | 29.254 mg/unit | |
| Sum of Cannabinoids per Unit | | 34.279 mg/unit | |
| Total Cannabinoids per Unit | | 34.279 mg/unit | |

MOISTURE TEST RESULT

Not Tested

DENSITY TEST RESULT

Not Tested

VISCOSITY TEST RESULT

Not Tested



 **Pesticide Analysis**

CATEGORY 1 PESTICIDE TEST RESULTS - 06/20/2020  **PASS**

CATEGORY 1 AND 2 PESTICIDES

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

| COMPOUND | REPORTING LIMIT (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---------------------|------------------------|---------------------|--------------------------------|---------------|-------------|
| Aldicarb | | | | NT | |
| Carbofuran | | | | NT | |
| Chlordane* | | | | NT | |
| Chlorfenapyr* | | | | NT | |
| Chlorpyrifos | 0.06 | ≥ LOD | N/A | ND | PASS |
| Coumaphos | | | | NT | |
| Daminozide | | | | NT | |
| DDVP (Dichlorvos) | | | | NT | |
| Dimethoate | | | | NT | |
| Ethoprop(hos) | | | | NT | |
| Etofenprox | | | | NT | |
| Fenoxycarb | | | | NT | |
| Fipronil | | | | NT | |
| Imazalil | | | | NT | |
| Methiocarb | | | | NT | |
| Methyl parathion | | | | NT | |
| Mevinphos | | | | NT | |
| Paclobutrazol | | | | NT | |
| Propoxur | | | | NT | |
| Spiroxamine | | | | NT | |
| Thiacloprid | | | | NT | |

CATEGORY 2 PESTICIDE TEST RESULTS - 06/20/2020  **PASS**

| | | | | | |
|---------------------|------|-----|-----|-----------|-------------|
| Abamectin | 0.10 | 0.3 | N/A | ND | PASS |
| Acephate | | | | NT | |
| Acequinocyl | | | | NT | |
| Acetamiprid | | | | NT | |
| Azoxystrobin | 0.04 | 40 | N/A | ND | PASS |
| Bifenazate | 0.02 | 5 | N/A | ND | PASS |
| Bifenthrin | 0.02 | 0.5 | N/A | ND | PASS |
| Boscalid | 0.06 | 10 | N/A | ND | PASS |
| Captan | | | | NT | |
| Carbaryl | | | | NT | |
| Chlorantraniliprole | | | | NT | |

Continued on next page



 **Pesticide Analysis** *Continued*

CATEGORY 2 PESTICIDE TEST RESULTS - 06/20/2020 *continued* ✔ PASS

CATEGORY 1 AND 2 PESTICIDES

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

| COMPOUND | REPORTING LIMIT (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------------|------------------------|---------------------|--------------------------------|---------------|--------|
| Clofentezine | | | | NT | |
| Cyfluthrin | | | | NT | |
| Cypermethrin | 0.3 | 1 | N/A | ND | PASS |
| Diazinon | | | | NT | |
| Dimethomorph | | | | NT | |
| Etoxazole | 0.028 | 1.5 | N/A | ND | PASS |
| Fenhexamid | | | | NT | |
| Fenpyroximate | | | | NT | |
| Flonicamid | | | | NT | |
| Fludioxonil | | | | NT | |
| Hexythiazox | 0.04 | 2 | N/A | ND | PASS |
| Imidacloprid | 0.04 | 3 | N/A | ND | PASS |
| Kresoxim-methyl | | | | NT | |
| Malathion | 0.05 | 5 | N/A | ND | PASS |
| Metalaxyl | | | | NT | |
| Methomyl | | | | NT | |
| Myclobutanil | 0.1 | 9 | N/A | ND | PASS |
| Naled | | | | NT | |
| Oxamyl | | | | NT | |
| Pentachloronitrobenzene* | | | | NT | |
| Permethrin | 0.09 | 20 | N/A | ND | PASS |
| Phosmet | | | | NT | |
| Piperonylbutoxide | 0.009 | 8 | ±>0.1355 | >5.000 | PASS |
| Prallethrin | | | | NT | |
| Propiconazole | 0.03 | 20 | N/A | ND | PASS |
| Pyrethrins | | | | NT | |
| Pyridaben | | | | NT | |
| Spinetoram | | | | NT | |
| Spinosad | | | | NT | |
| Spiromesifen | 0.05 | 12 | N/A | ND | PASS |
| Spirotetramat | | | | NT | |
| Tebuconazole | 0.07 | 2 | N/A | ND | PASS |
| Thiamethoxam | | | | NT | |
| Trifloxystrobin | 0.03 | 30 | N/A | ND | PASS |



 **Residual Solvents Analysis**


CATEGORY 1 RESIDUAL SOLVENTS TEST RESULTS - 06/19/2020 

CATEGORY 1 AND 2 RESIDUAL SOLVENTS

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 |
|--------------------|----------------|---------------------|--------------------------------|---------------|--------|
| 1,2-Dichloroethane | 0.05 / 0.1 | 1 | N/A | ND | PASS |
| Benzene | 0.03 / 0.09 | 1 | N/A | ND | PASS |
| Chloroform | 0.1 / 0.2 | 1 | N/A | ND | PASS |
| Ethylene Oxide | 0.1 / 0.4 | 1 | N/A | ND | PASS |
| Methylene chloride | 0.3 / 0.9 | 1 | N/A | ND | PASS |
| Trichloroethylene | 0.1 / 0.3 | 1 | N/A | ND | PASS |

CATEGORY 2 RESIDUAL SOLVENTS TEST RESULTS - 06/19/2020 

| | | | | | |
|-------------------|----------|------|-----|----|------|
| Acetone | 20 / 50 | 5000 | N/A | ND | PASS |
| Acetonitrile | 2 / 7 | 410 | N/A | ND | PASS |
| Butane | 10 / 50 | 5000 | N/A | ND | PASS |
| Ethanol | 20 / 50 | 5000 | N/A | ND | PASS |
| Ethyl acetate | 20 / 60 | 5000 | N/A | ND | PASS |
| Ethyl ether | 20 / 50 | 5000 | N/A | ND | PASS |
| Heptane | 20 / 60 | 5000 | N/A | ND | PASS |
| Hexane | 2 / 5 | 290 | N/A | ND | PASS |
| Isopropyl Alcohol | 10 / 40 | 5000 | N/A | ND | PASS |
| Methanol | 50 / 200 | 3000 | N/A | ND | PASS |
| Pentane | 20 / 50 | 5000 | N/A | ND | PASS |
| Propane | 10 / 20 | 5000 | N/A | ND | PASS |
| Toluene | 7 / 21 | 890 | N/A | ND | PASS |
| Total Xylenes | 50 / 160 | 2170 | N/A | ND | PASS |

 **Heavy Metals Analysis**

HEAVY METALS TEST RESULTS - 06/19/2020 

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: QSP - (1160) Analysis of Heavy Metals by ICP-MS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|----------|----------------|---------------------|--------------------------------|---------------|--------|
| Cadmium | 0.02 / 0.05 | 0.5 | N/A | ND | PASS |
| Lead | 0.04 / 0.1 | 0.5 | N/A | ND | PASS |
| Arsenic | 0.02 / 0.1 | 1.5 | N/A | ND | PASS |
| Mercury | 0.002 / 0.01 | 3 | N/A | ND | PASS |



 **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

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

Method: QSP - (6794) Plating with 3M™ Petrifilm™

MICROBIAL IMPURITIES TEST RESULTS (PCR) - 06/19/2020 ✔ 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 | |

MICROBIAL IMPURITIES TEST RESULTS (PLATING)

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

