



JOY ORGANICS

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Joy Organics CBD Softgels
PRODUCT STRENGTH: 10 mg
LOT NUMBER: T293
BEST BY DATE: 05/2021
BULK LOT NUMBER: [JP100919GC3](#)

Physical Attributes

| Test | Method | Specification | Results |
|-------------------------|---------|--|---------|
| Color | SOP-100 | Golden to Amber | PASS |
| Odor | SOP-100 | N/A | PASS |
| Appearance | SOP-100 | Dry, ovoid softgel capsules in container with lid and shrinkband | PASS |
| Primary Package Eval. | SOP-132 | Container clean and free of filth. Container caps tight and shrink bands intact | PASS |
| Secondary Package Eval. | SOP-132 | Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure. | PASS |

Review of Third-Party Analysis

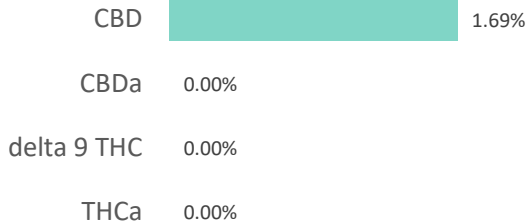
| Panel | Method | Specification | Results | Pass/Fail |
|---------------------------------------|---------|---|-------------------------|-----------|
| Potency - Total CBD | SOP-111 | 9.5-12.5 mg CBD LOQ*: 10 PPM† (0.001%) | 10.3 mg | PASS |
| Potency - D9-THC | SOP-111 | None Detected LOQ: 10 PPM (0.001%) | ND | PASS |
| OR Compliant Pesticide Panel | SOP-111 | Oregon State Hemp Program Action Limits for Pesticides | >LOQ | PASS |
| Microbial - Stec E.Coli | SOP-111 | Complies with USP 61/62 | >LOQ | PASS |
| Microbial - Mold & Yeast | SOP-111 | Complies with USP 61/62 | >LOQ | PASS |
| Microbial - Total Coliforms | SOP-111 | Complies with USP 61/62 | >LOQ | PASS |
| CA Compliant Heavy Metal Panel | SOP-111 | Arsenic (As): ≤1.5 PPM Cadmium (Cd): ≤0.5 PPM Mercury (Hg): ≤1.0 PPM Lead (Pb): ≤0.5 PPM | >LOQ | PASS |

* Level of Quantitation, † Parts Per Million

Quality Certified by: Darcie Moran 01/28/2020
 Darcie Moran Date
 Manager of Quality Assurance

JP100919GC3

| | | | |
|------------------|------------|-----------------|--------------|
| Batch ID: | 191114T293 | Test ID: | 8304090.0054 |
| Reported: | 9-Dec-2019 | Method: | TM14 |
| Type: | Unit | | |
| Test: | Potency | | |

CANNABINOID PROFILE


| Compound | LOQ (mg) | Result (mg) | Result (mg/g) |
|--|----------|--------------|---------------|
| Delta 9-Tetrahydrocannabinolic acid (THCA-A) | 0.24 | 0.00 | 0.0 |
| Delta 9-Tetrahydrocannabinol (Delta 9THC) | 0.12 | 0.00 | 0.0 |
| Cannabidiolic acid (CBDA) | 0.35 | 0.00 | 0.0 |
| Cannabidiol (CBD) | 0.20 | 10.30 | 16.9 |
| Delta 8-Tetrahydrocannabinol (Delta 8THC) | 0.13 | 0.00 | 0.0 |
| Cannabinolic Acid (CBNA) | 0.32 | 0.00 | 0.0 |
| Cannabinol (CBN) | 0.14 | 0.00 | 0.0 |
| Cannabigerolic acid (CBGA) | 0.21 | 0.00 | 0.0 |
| Cannabigerol (CBG) | 0.12 | 0.00 | 0.0 |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.20 | 0.00 | 0.0 |
| Tetrahydrocannabivarin (THCV) | 0.11 | 0.00 | 0.0 |
| Cannabidivarinic Acid (CBDVA) | 0.33 | 0.00 | 0.0 |
| Cannabidivarin (CBDV) | 0.18 | 0.00 | 0.0 |
| Cannabichromenic Acid (CBCA) | 0.18 | 0.00 | 0.0 |
| Cannabichromene (CBC) | 0.21 | 0.00 | 0.0 |
| Total Cannabinoids | | 10.30 | 16.91 |
| Total Potential THC** | | 0.00 | 0.00 |
| Total Potential CBD** | | 10.30 | 16.91 |

NOTES:

of Servings = 1, Sample Weight=0.60897g

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)


* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

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

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
FINAL APPROVAL


Ryan Weems
 9-Dec-2019
 4:36 PM

PREPARED BY / DATE



David Green
 9-Dec-2019
 5:34 PM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02





Customer: My CBD Test
Product identity: JP100919GC3 Batch 191114T293
Client/Metric ID: .
Laboratory ID: 19-014663-0001

Summary

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



Customer: My CBD Test

Product identity: JP100919GC3 Batch 191114T293

Client/Metric ID: .

Sample Date:

Laboratory ID: 19-014663-0001

Relinquished by: David Boaz

Temp: 12.6 °C

Sample Results

| Microbiology | | | | | | | | |
|-------------------------|--------|--------|-------|-----|---------|----------|-------------------------|-------|
| Analyte | Result | Limits | Units | LOQ | Batch | Analyze | Method | Notes |
| E.coli | < LOQ | | cfu/g | 10 | 1911042 | 12/07/19 | AOAC 991.14 (Petrifilm) | X |
| Total Coliforms | < LOQ | | cfu/g | 10 | 1911042 | 12/07/19 | AOAC 991.14 (Petrifilm) | X |
| Mold (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 1911044 | 12/07/19 | AOAC 2014.05 (RAPID) | X |
| Yeast (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 1911044 | 12/07/19 | AOAC 2014.05 (RAPID) | X |



Pesticides Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 1911114 Analyze 12/06/19 03:57 PM

| Analyte | Result | Limits | LOQ | Status | Notes | Analyte | Result | Limits | LOQ | Status | Notes |
|------------------|--------|--------|-------|--------|-------|---------------------|--------|--------|-------|--------|-------|
| Abamectin | < LOQ | 0.50 | 0.250 | pass | | Acephate | < LOQ | 0.40 | 0.250 | pass | |
| Acequinocyl | < LOQ | 2.0 | 1.00 | pass | | Acetamiprid | < LOQ | 0.20 | 0.100 | pass | |
| Aldicarb | < LOQ | 0.40 | 0.200 | pass | | Azoxystrobin | < LOQ | 0.20 | 0.100 | pass | |
| Bifenazate | < LOQ | 0.20 | 0.100 | pass | | Bifenthrin | < LOQ | 0.20 | 0.100 | pass | |
| Boscalid | < LOQ | 0.40 | 0.200 | pass | | Carbaryl | < LOQ | 0.20 | 0.100 | pass | |
| Carbofuran | < LOQ | 0.20 | 0.100 | pass | | Chlorantraniliprole | < LOQ | 0.20 | 0.100 | pass | |
| Chlorfenapyr | < LOQ | 1.0 | 0.500 | pass | | Chlorpyrifos | < LOQ | 0.20 | 0.100 | pass | |
| Clofentezine | < LOQ | 0.20 | 0.100 | pass | | Cyfluthrin | < LOQ | 1.0 | 0.500 | pass | |
| Cypermethrin | < LOQ | 1.0 | 0.500 | pass | | Daminozide | < LOQ | 1.0 | 0.500 | pass | |
| Diazinon | < LOQ | 0.20 | 0.100 | pass | | Dichlorvos | < LOQ | 1.0 | 0.500 | pass | |
| Dimethoate | < LOQ | 0.20 | 0.100 | pass | | Ethoprophos | < LOQ | 0.20 | 0.100 | pass | |
| Etofenprox | < LOQ | 0.40 | 0.200 | pass | | Etoxazole | < LOQ | 0.20 | 0.100 | pass | |
| Fenoxycarb | < LOQ | 0.20 | 0.100 | pass | | Fenpyroximate | < LOQ | 0.40 | 0.200 | pass | |
| Fipronil | < LOQ | 0.40 | 0.200 | pass | | Fonicamid | < LOQ | 1.0 | 0.400 | pass | |
| Fludioxonil | < LOQ | 0.40 | 0.200 | pass | | Hexythiazox | < LOQ | 1.0 | 0.400 | pass | |
| Imazalil | < LOQ | 0.20 | 0.100 | pass | | Imidacloprid | < LOQ | 0.40 | 0.200 | pass | |
| Kresoxim-methyl | < LOQ | 0.40 | 0.200 | pass | | Malathion | < LOQ | 0.20 | 0.100 | pass | |
| Metalaxyl | < LOQ | 0.20 | 0.100 | pass | | Methiocarb | < LOQ | 0.20 | 0.100 | pass | |
| Methomyl | < LOQ | 0.40 | 0.200 | pass | | MGK-264 | < LOQ | 0.20 | 0.100 | pass | |
| Myclobutanil | < LOQ | 0.20 | 0.100 | pass | | Naled | < LOQ | 0.50 | 0.250 | pass | |
| Oxamyl | < LOQ | 1.0 | 0.500 | pass | | Paclobutrazole | < LOQ | 0.40 | 0.200 | pass | |
| Parathion-Methyl | < LOQ | 0.20 | 0.200 | pass | | Permethrin | < LOQ | 0.20 | 0.100 | pass | |
| Phosmet | < LOQ | 0.20 | 0.100 | pass | | Piperonyl butoxide | < LOQ | 2.0 | 1.00 | pass | |
| Prallethrin | < LOQ | 0.20 | 0.200 | pass | | Propiconazole | < LOQ | 0.40 | 0.200 | pass | |
| Propoxur | < LOQ | 0.20 | 0.100 | pass | | Pyrethrin I (total) | < LOQ | 1.0 | 0.500 | pass | |
| Pyridaben | < LOQ | 0.20 | 0.100 | pass | | Spinosad | < LOQ | 0.20 | 0.100 | pass | |
| Spiromesifen | < LOQ | 0.20 | 0.100 | pass | | Spirotetramat | < LOQ | 0.20 | 0.100 | pass | |
| Spiroxamine | < LOQ | 0.40 | 0.200 | pass | | Tebuconazole | < LOQ | 0.40 | 0.200 | pass | |
| Thiacloprid | < LOQ | 0.20 | 0.100 | pass | | Thiamethoxam | < LOQ | 0.20 | 0.100 | pass | |
| Trifloxystrobin | < LOQ | 0.20 | 0.100 | pass | | | | | | | |

Metals

| Analyte | Result | Limits | Units | LOQ | Batch | Analyze | Method | Notes |
|---------|--------|--------|-------|-------|---------|----------|---------------------|-------|
| Arsenic | < LOQ | | mg/kg | 0.100 | 1911116 | 12/06/19 | AOAC 2013.06 (mod.) | H, X |
| Cadmium | < LOQ | | mg/kg | 0.100 | 1911116 | 12/06/19 | AOAC 2013.06 (mod.) | H, X |
| Lead | < LOQ | | mg/kg | 0.100 | 1911116 | 12/06/19 | AOAC 2013.06 (mod.) | H, X |
| Mercury | < LOQ | | mg/kg | 0.100 | 1911116 | 12/06/19 | AOAC 2013.06 (mod.) | H, X |



These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

Units of Measure

cfu/g = Colony forming units per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

% wt = µg/g divided by 10,000

Glossary of Qualifiers

H: Holding time was exceeded.

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager