



JOY ORGANICS

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Joy Organics CBD Bath Bombs
PRODUCT STRENGTH: 25 mg / each
BEST BY DATE: 9/13/21
FILL LOT NUMBER: 0062A
BATH BOMB LOT NUMBER: 6750
HEMP EXTRACT LOT NUMBER*: [JP090319B7](#)

Click on the links to view third-party reports

Physical Attributes

| Test | Method | Specification | Results |
|-------------------------|---------|--|---------|
| Color | SOP-100 | White to slightly off-white | PASS |
| Odor | SOP-100 | Lavender | PASS |
| Appearance | SOP-100 | Round, white to slightly off-white bath bombs in shrink wrap | 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 | 23.75-31.25 mg CBD / ea. LOQ**: 10 PPM† (0.001%) | .1% or 27.5mg | PASS |
| Potency - D9-THC | SOP-111 | None Detected LOQ: 10 PPM (0.001%) | ND | PASS |
| FL Compliant Pesticide Panel | SOP-111 | Florida State Hemp Program Rule 5B-57.014: Action Limits for Pesticides | ND | PASS |
| Microbial - Stec E.Coli | SOP-111 | Complies with USP 61/62 | Below LOQ | PASS |
| Microbial - Salmonella | SOP-111 | Complies with USP 61/62 | Below LOQ | PASS |
| Microbial - Mold | SOP-111 | Complies with USP 61/62 | Below 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 | Below LOQ | PASS |
| MT Compliant Residual Solvents Panel | SOP-111 | Montana Public Health and Human Services Rule 37.107.316 | Below LOQ | PASS |

* Level of Quantitation, † Parts Per Million

Quality Certified by: *Darcie Moran* 03.24.2020
 Darcie Moran Date
 Manager of Quality Assurance



ACCU Bio-Chem
LABORATORIES

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To: **Joy Organics**
5042 Technology Parkway, Suite 500
Fort Collins, CO 80528

| | |
|-----------------------------|---------------|
| COA No.: | M-JO031820-01 |
| COA Date: | 03/23/20 |
| Sample Rec'd Date: | 03/18/20 |
| ISO/IEC 17025:2005 Standard | Page 1 of 1 |

MICROBIOLOGICAL CERTIFICATE OF ANALYSIS

Sample Description: *Batch Bomb 0062A*
Sample Batch/Lot No.: *N/A*
ACCU Laboratory Ref.: *0726875*
Purchase Order No.: *N/A*
Test Method: *USP*
Notes: *N/A*

Analysis:

Results:

| | |
|---|-----------------------|
| Total Plate Count: | <10 CFU / g |
| Yeast & Mold Count: | <10 CFU / g |
| Bile-Tolerant g- Bacteria (coliforms): | Negative |
| <i>Escherichia coli:</i> | Negative |
| <i>Salmonella:</i> | Negative |

Approved By: _____

Vano Baghdasarian, Laboratory Director

The results of this test relate only to the samples tested. This test report shall not be reproduced except in full, without written approval of the lab. ACCU Labs shall have no liability to anyone with respect to any interpretations or uses of the COA report, decisions made, or actions taken as a result of or based on the data reported.
Abbreviations: g -: gram negative; g +B: gram positive Bacilli; g +C: gram positive Cocci; TPC: Total Plate Count; TNTC: Too Numerous to Count

Document Information

| | | |
|---|---------------------------------|--|
| File Name and Version: LF-510-01 Certificate of Analysis – V. Micro v.02 | Effective Date: 07/25/19 | Status: Approved by Vano Baghdasarian |
|---|---------------------------------|--|



total cannabinoids **0.1%**
 CBD decarb total .12%
 Δ9-THC ND

This Product Has Been Tested and Complies with 7USC1639o(1) Definition of Hemp



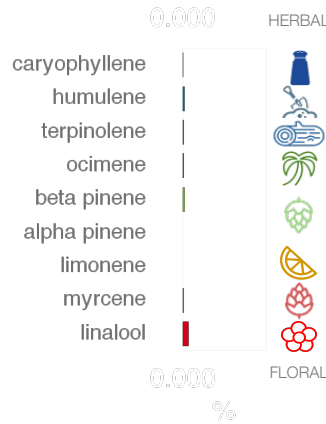
Stillwater Laboratories

https://portal.a2la.org/scopepdf/4961-01.pdf

Sample Handling

test ID sample date 3/5/20 12:15 PM
 order 6750 labID OCE43 weight 90.7 g
 source

| Methods | method | equipment |
|------------|--------------|-------------|
| weights | MSP-7.3.1.3 | AUX120.1 |
| potency | MSP-7.5.1.5 | LC-2030 |
| terpenes | MSP-7.5.1.7 | QP2020/HS20 |
| pesticides | MSP-7.5.1.8 | LC-8060 |
| mycotoxins | MSP-7.5.1.8 | LC-8060 |
| microbial | MSP-7.5.1.9 | Hardy Diag |
| solvents | MSP-7.5.1.6 | QP2020/HS20 |
| metals | MSP-7.5.1.10 | ICPMS2030 |



topical



| Potency | % | estimated error | Terpenes | % | estimated error | % | estimated error | % | estimated error | | |
|---|------|-----------------|-----------------|--------|-----------------|------------------------|-----------------|------------|-----------------|--------|----------------|
| tetrahydrocannabinolic acid (THCa) | ND | ± 0.02 % | β-myrcene | 0.003% | ± 0.0017% | camphene | 0.000% | ± 0.0016 % | guaiol | 0.000% | ± 0.0016 % |
| Δ ⁹ -tetrahydrocannabinol (Δ ⁹ THC) | ND | ± 0.02 % | β-caryophyllene | 0.001% | ± 0.0017% | Δ ³ -carene | 0.003% | ± 0.0017 % | β-bisabolol | 0.002% | ± 0.0017 % |
| Δ ⁸ -tetrahydrocannabinol (Δ ⁸ THC) | ND | ± 0.02 % | alpha-pinene | 0.000% | ± 0.0016% | a-terpinene | 0.000% | ± 0.0016 % | eucalyptol | 0.000% | ± 0.0016 % |
| tetrahydrocannabivarin (THCv) | 0% | ± 0.02 % | β-pinene | 0.006% | ± 0.0018% | para-cymene | 0.013% | ± 0.0020 % | | | |
| cannabidiolic acid (CBDA) | ND | ± 0.02 % | D-limonene | 0.000% | ± 0.0016% | g-terpinene | 0.011% | ± 0.0020 % | | | |
| cannabidiol (CBD) | .12% | ± 0.04 % | linalool | 0.031% | ± 0.0025% | (-)-isopulegol | 0.000% | ± 0.0016 % | | | total terpenes |
| cannabidivarin (CBDv) | ND | ± 0.02 % | ocimene | 0.003% | ± 0.0035% | geraniol | 0.003% | ± 0.0017 % | | | 0.09% |
| cannabigerolic acid (CBGA) | ND | ± 0.02 % | terpinolene | 0.005% | ± 0.0018% | cis-nerolidol | 0.000% | ± 0.0016 % | | | |
| cannabigerol (CBG) | 0% | ± 0.02 % | alpha-humulene | 0.008% | ± 0.0019% | trans-nerolidol | 0.000% | ± 0.0016 % | | | |
| cannabinol (CBN) | ND | ± 0.02 % | | | | | | | | | |
| cannabichromene (CBC) | 0% | ± 0.02 % | | | | | | | | | |

| Solvents | MT limit | OCE43 | LOQ | Pesticides (MT) | MT limit | OCE43 | LOQ | Pesticides (other) | OCE43 | LOQ |
|-----------------|----------|-------|---------|-----------------|----------|-------|--------|--------------------|----------|--------|
| propane | 5,000 | PASS | <10ppm | abamectin | | | <10ppb | acephate | 0.00 ppm | <10ppb |
| butanes | 5,000 | PASS | <10ppm | acequinocyl | | | <10ppb | acetamidrid | 0.00 ppm | <10ppb |
| pentanes | 5,000 | PASS | <10ppm | bifenazate | | | <10ppb | aldicarb | 0.00 ppm | <10ppb |
| hexanes | 290 | PASS | <10ppm | bifenthrin | | | <10ppb | azoxystrobin | 0.00 ppm | <10ppb |
| cyclohexane | 3,880 | PASS | <10ppm | chlormequat cl. | | | <10ppb | boscalid | 0.00 ppm | <10ppb |
| heptanes | 5,000 | PASS | <10ppm | cyfluthrin | | | <80ppb | carbaryl | 0.00 ppm | <10ppb |
| methanol | 3,000 | PASS | <10ppm | diaminozide | | | <10ppb | carbofuran | 0.00 ppm | <10ppb |
| isopropanol | 5,000 | PASS | <10ppm | etoxazole | | | <10ppb | chloantranilprole | 0.00 ppm | <10ppb |
| acetone | 5,000 | PASS | <10ppm | fenoxycarb | | | <10ppb | chlorpyrifos | 0.00 ppm | <10ppb |
| ethyl acetate | 5,000 | PASS | <10ppm | imazalil | | | <10ppb | clofentezine | 0.00 ppm | <10ppb |
| benzene | 2 | PASS | <0.2ppm | imidacloprid | | | <10ppb | cypermethrin | 0.00 ppm | <10ppb |
| toluene | 890 | PASS | <10ppm | myclobutanil | | | <10ppb | diazinon | 0.00 ppm | <10ppb |
| xylene | 2,170 | PASS | <10ppm | paclobutrazol | | | <10ppb | dichlorvos | 0.00 ppm | <10ppb |
| chloroform | 2 | PASS | <0.2ppm | pyrethrins | | | <10ppb | dimethoate | 0.00 ppm | <10ppb |
| dichloromethane | 600 | PASS | <10ppm | spinosad | | | <10ppb | etofenprox | 0.00 ppm | <10ppb |
| | | | | spiromesifen | | | <10ppb | fenpyroximate | 0.00 ppm | <10ppb |
| | | | | spirotetramat | | | <10ppb | fipronil | 0.00 ppm | <10ppb |
| | | | | trifloxystrobin | | | <10ppb | flonicamid | 0.00 ppm | <10ppb |
| | | | | | | | | fludioxonil | 0.00 ppm | <10ppb |
| | | | | | | | | hexythiazox | 0.00 ppm | <10ppb |
| | | | | | | | | kresoxym-methyl | 0.00 ppm | <10ppb |
| | | | | | | | | malathion | 0.00 ppm | <10ppb |
| | | | | | | | | metalaxyl | 0.00 ppm | <10ppb |
| | | | | | | | | methiocarb | 0.00 ppm | <10ppb |
| | | | | | | | | methomyl | 0.00 ppm | <10ppb |
| | | | | | | | | oxamyl | 0.00 ppm | <10ppb |
| | | | | | | | | permethrins | 0.00 ppm | <10ppb |
| | | | | | | | | phosmet | 0.00 ppm | <10ppb |
| | | | | | | | | piperonyl butoxide | 0.00 ppm | <10ppb |
| | | | | | | | | prallethrin | 0.00 ppm | <10ppb |
| | | | | | | | | propiconazole | 0.00 ppm | <10ppb |
| | | | | | | | | pyridaben | 0.00 ppm | <10ppb |
| | | | | | | | | spiroxamine | 0.00 ppm | <10ppb |
| | | | | | | | | tebuconazole | 0.00 ppm | <10ppb |
| | | | | | | | | thiacloprid | 0.00 ppm | <10ppb |
| | | | | | | | | thiamethoxam | 0.00 ppm | <10ppb |

| Toxic Metals | MT limit | OCE43 | LOQ |
|--------------|----------|-------|--------|
| arsenic | 2 ppm | PASS | <10ppb |
| cadmium | 4.1 ppm | PASS | <10ppb |
| lead | 1.2 ppm | PASS | <10ppb |
| mercury | 0.4 ppm | PASS | <10ppb |

| Microbial | MT limit | OCE43 | LOQ |
|-----------------------|-----------|-------|------------|
| <i>E. coli</i> | 10 CFU | PASS | <10 CFU/g |
| Salmonella sp. | 10 CFU | PASS | <10 CFU/g |
| molds | 10000 CFU | PASS | <10k CFU/g |
| Aflatoxin B1,B2,G1,G2 | 20 ppb | PASS | <20 ppb |
| Ochratoxin A | 20 ppb | PASS | <20 ppb |

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calculated from the equation: [cannabinoid] = [cannabinoid]_{HPLC} x volume_{dilution} / m_{dry}. Terpene concentration is calculated from the equation: [terpene] = (terpene mass)_{GCMS} / m_{dry}. ••• Decarboxyted cannabinoid concentration is calculated from the equation XXX_{total} = 0.877 x XXX_a + XXX ••• Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; this is combined with error from weighing and dilution using the propagation of error formula s_g² = Σ(∂f/∂i)²s_i² where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) ± t_{CL90} x s_g. Sampling error is not

Certified by:

Kyle Larson, MSc (Biology)
 Deputy Director
 6073 US93N, Olney MT 59927
 406-881-2019 rdb@stwlabs.com



This is an amended version of report# 19-012757/D02.R00.
Reason: Updated report formatting.

Product identity: JP090319B7
Laboratory ID: 19-012757-0002

Client/Metric ID: .
Sample Date:

Summary

Potency:

| Analyte | Result (%) | | | | |
|---------|------------|--|--|-----------|----------|
| CBD | 81.9 | | <ul style="list-style-type: none"> ● CBD ● CBDV | CBD-Total | 81.9% |
| CBDV† | 1.86 | | | THC-Total | < 0.177% |
| | | | (Reported in percent of total sample) | | |

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

| Analyte | Percent by weight | Percent of Total | Analyte | Percent by weight | Percent of Total |
|------------------------|-------------------|------------------|--------------------------|-------------------|------------------|
| (-)-Guaiol† | 0.619 | 35.17% | (-)-caryophyllene oxide† | 0.511 | 29.03% |
| β-Caryophyllene† | 0.450 | 25.57% | Humulene† | 0.0795 | 4.52% |
| Linalool† | 0.0594 | 3.38% | (-)-a-Terpineol† | 0.0411 | 2.34% |
| Total Terpenes† | 1.76 | 100.00% | | | |

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



Customer: My CBD Test

Product identity: JP090319B7

Client/Metric ID: .

Sample Date:

Laboratory ID: 19-012757-0002

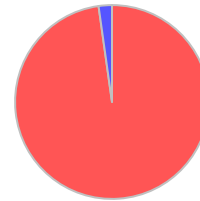
Relinquished by: UPS

Temp: 23.4 °C

Sample Results

Potency Method J AOAC 2015 V98-6 Units % Batch 1909717 Analyze 10/22/19 05:04 PM

| Analyte | As Received | Dry weight | LOQ | Notes |
|-------------|-------------|------------|--------|-------|
| CBC† | < LOQ | | 0.0943 | |
| CBC-A† | < LOQ | | 0.0943 | |
| CBC-Total† | < LOQ | | 0.177 | |
| CBD | 81.9 | | 0.943 | |
| CBD-A | < LOQ | | 0.0943 | |
| CBD-Total | 81.9 | | 1.03 | |
| CBDV† | 1.86 | | 0.0943 | |
| CBDV-A† | < LOQ | | 0.0943 | |
| CBDV-Total† | 1.86 | | 0.176 | |
| CBG† | < LOQ | | 0.0943 | |
| CBG-A† | < LOQ | | 0.0943 | |
| CBG-Total† | < LOQ | | 0.176 | |
| CBL† | < LOQ | | 0.0943 | |
| CBN | < LOQ | | 0.0943 | |
| Δ8-THC† | < LOQ | | 0.0943 | |
| Δ9-THC | < LOQ | | 0.0943 | |
| THC-A | < LOQ | | 0.0943 | |
| THC-Total | < LOQ | | 0.177 | |
| THCV† | < LOQ | | 0.0943 | |
| THCV-A† | < LOQ | | 0.0943 | |
| THCV-Total† | < LOQ | | 0.176 | |



● CBD
● CBDV

Microbiology

| Analyte | Result | Limits | Units | LOQ | Batch | Analyze | Method | Notes |
|-------------------------|--------|--------|-------|-----|---------|----------|-------------------------|-------|
| E.coli | < LOQ | | cfu/g | 10 | 1909486 | 10/21/19 | AOAC 991.14 (Petrifilm) | X |
| Total Coliforms | < LOQ | | cfu/g | 10 | 1909486 | 10/21/19 | AOAC 991.14 (Petrifilm) | X |
| Mold (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 1909487 | 10/21/19 | AOAC 2014.05 (RAPID) | X |
| Yeast (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 1909487 | 10/21/19 | AOAC 2014.05 (RAPID) | X |

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



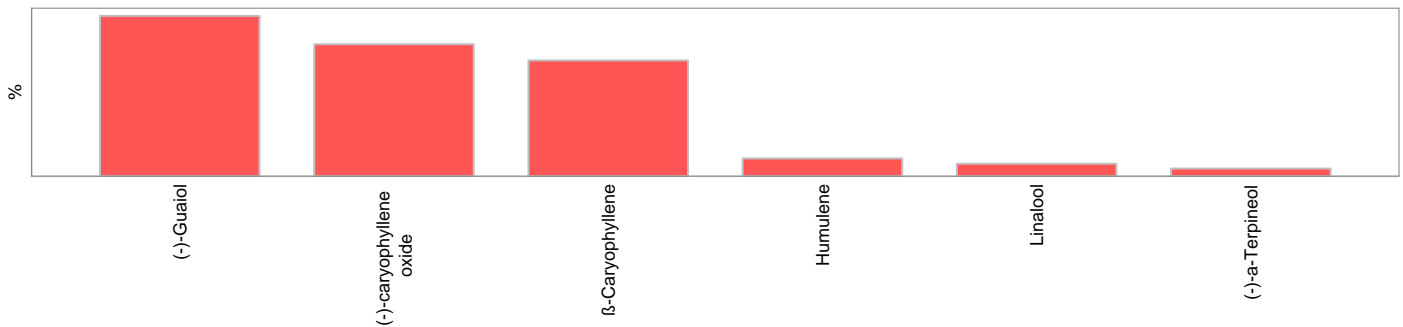
| Solvents | | | | | Method EPA5021A | Units µg/g | Batch 1909460 | Analyze 10/23/19 02:28 PM | | | |
|--------------------|--------|--------|------|--------|-----------------|-------------------------|---------------|---------------------------|------|--------|-------|
| Analyte | Result | Limits | LOQ | Status | Notes | Analyte | Result | Limits | LOQ | Status | Notes |
| 1,4-Dioxane | < LOQ | 380 | 100 | pass | | 2-Butanol | < LOQ | 5000 | 200 | pass | |
| 2-Ethoxyethanol | < LOQ | 160 | 30.0 | pass | | 2-Methylbutane | < LOQ | | 200 | | |
| 2-Methylpentane | < LOQ | | 30.0 | | | 2-Propanol (IPA) | < LOQ | 5000 | 200 | pass | |
| 2,2-Dimethylbutane | < LOQ | | 30.0 | | | 2,2-Dimethylpropane | < LOQ | | 200 | | |
| 2,3-Dimethylbutane | < LOQ | | 30.0 | | | 3-Methylpentane | < LOQ | | 30.0 | | |
| Acetone | < LOQ | 5000 | 200 | pass | | Acetonitrile | < LOQ | 410 | 100 | pass | |
| Benzene | < LOQ | 2.00 | 1.00 | pass | | Butanes (sum) | < LOQ | 5000 | 400 | pass | |
| Cyclohexane | < LOQ | 3880 | 200 | pass | | Ethyl acetate | < LOQ | 5000 | 200 | pass | |
| Ethyl benzene | < LOQ | | 200 | | | Ethyl ether | < LOQ | 5000 | 200 | pass | |
| Ethylene glycol | < LOQ | 620 | 200 | pass | | Ethylene oxide | < LOQ | 50.0 | 30.0 | pass | |
| Hexanes (sum) | < LOQ | 290 | 150 | pass | | Isopropyl acetate | < LOQ | 5000 | 200 | pass | |
| Isopropylbenzene | < LOQ | 70.0 | 30.0 | pass | | m,p-Xylene | < LOQ | | 200 | | |
| Methanol | < LOQ | 3000 | 200 | pass | | Methylene chloride | < LOQ | 600 | 200 | pass | |
| Methylpropane | < LOQ | | 200 | | | n-Butane | < LOQ | | 200 | | |
| n-Heptane | < LOQ | 5000 | 200 | pass | | n-Hexane | < LOQ | | 30.0 | | |
| n-Pentane | < LOQ | | 200 | | | o-Xylene | < LOQ | | 200 | | |
| Pentanes (sum) | < LOQ | 5000 | 600 | pass | | Propane | < LOQ | 5000 | 200 | pass | |
| Tetrahydrofuran | < LOQ | 720 | 100 | pass | | Toluene | < LOQ | 890 | 100 | pass | |
| Total Xylenes | < LOQ | | 400 | | | Total Xylenes and Ethyl | < LOQ | 2170 | 600 | pass | |

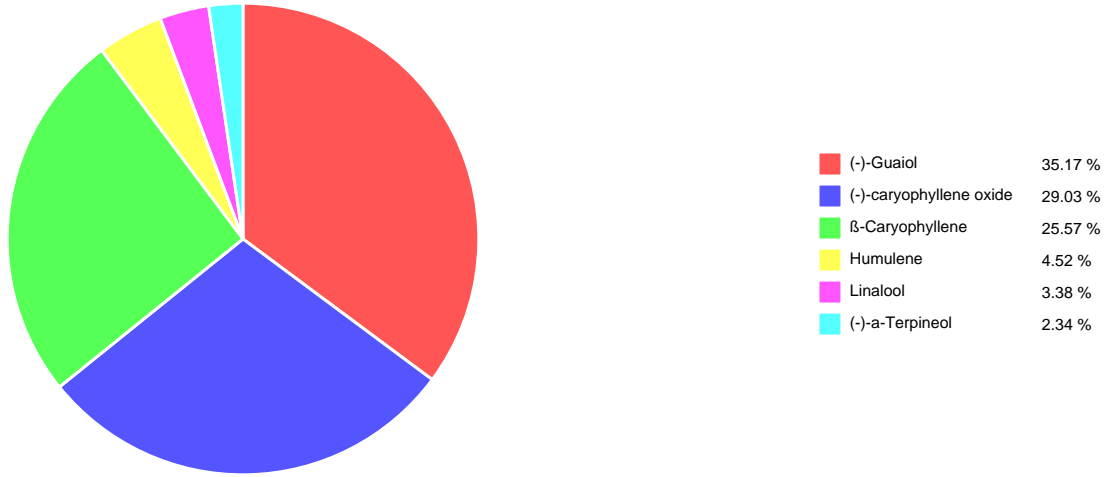


| Pesticides | | | | | | | | | | | |
|--|--------|--------|-------|--------|-------|---------------------|--------|--------|-------|--------|-------|
| Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 1909507 Analyze 10/21/19 09:49 AM | | | | | | | | | | | |
| Analyte | Result | Limits | LOQ | 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 | | Etoazole | < 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 | | Paclbutrazole | < 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 | | | | | | | |



| Terpenes | | | | Method J AOAC 2015 V98-6 | Units % | Batch 1909461 | Analyze 10/18/19 12:07 PM | | |
|-------------------------------|-------------|-------|------------|--------------------------|--------------------------------------|---------------|---------------------------|------------|-------|
| Analyte | Result | LOQ | % of Total | Notes | Analyte | Result | LOQ | % of Total | Notes |
| (-)-Guaial [†] | 0.619 | 0.020 | 35.17% | | (-)-caryophyllene oxide [†] | 0.511 | 0.020 | 29.03% | |
| β-Caryophyllene [†] | 0.450 | 0.020 | 25.57% | | Humulene [†] | 0.0795 | 0.020 | 4.52% | |
| Linalool [†] | 0.0594 | 0.020 | 3.38% | | (-)-a-Terpeneol [†] | 0.0411 | 0.020 | 2.34% | |
| (-)-Isopulegol [†] | < LOQ | 0.020 | 0.00% | | (-)-β-Pinene [†] | < LOQ | 0.020 | 0.00% | |
| (+)-Borneol [†] | < LOQ | 0.020 | 0.00% | | (+)-Cedrol [†] | < LOQ | 0.020 | 0.00% | |
| (+)-fenchol [†] | < LOQ | 0.020 | 0.00% | | (+)-Pulegone [†] | < LOQ | 0.020 | 0.00% | |
| (±)-Camphor [†] | < LOQ | 0.020 | 0.00% | | (±)-cis-Nerolidol [†] | < LOQ | 0.020 | 0.00% | |
| (±)-fenchone [†] | < LOQ | 0.020 | 0.00% | | (±)-trans-Nerolidol [†] | < LOQ | 0.020 | 0.00% | |
| (R)-(+)-Limonene [†] | < LOQ | 0.020 | 0.00% | | a-Bisabolol [†] | < LOQ | 0.020 | 0.00% | |
| a-cedrene [†] | < LOQ | 0.020 | 0.00% | | a-phellandrene [†] | < LOQ | 0.020 | 0.00% | |
| a-pinene [†] | < LOQ | 0.020 | 0.00% | | a-Terpinene [†] | < LOQ | 0.020 | 0.00% | |
| Camphene [†] | < LOQ | 0.020 | 0.00% | | cis-β-Ocimene [†] | < LOQ | 0.006 | 0.00% | |
| d-3-Carene [†] | < LOQ | 0.020 | 0.00% | | Eucalyptol [†] | < LOQ | 0.020 | 0.00% | |
| farnesene [†] | < LOQ | 0.020 | 0.00% | | gamma-Terpinene [†] | < LOQ | 0.020 | 0.00% | |
| Geraniol [†] | < LOQ | 0.020 | 0.00% | | Geranyl acetate [†] | < LOQ | 0.020 | 0.00% | |
| Isoborneol [†] | < LOQ | 0.020 | 0.00% | | Menthol [†] | < LOQ | 0.020 | 0.00% | |
| nerol [†] | < LOQ | 0.020 | 0.00% | | p-Cymene [†] | < LOQ | 0.020 | 0.00% | |
| Sabinene [†] | < LOQ | 0.020 | 0.00% | | Sabinene hydrate [†] | < LOQ | 0.020 | 0.00% | |
| β-Myrcene [†] | < LOQ | 0.020 | 0.00% | | Terpinolene [†] | < LOQ | 0.020 | 0.00% | |
| trans-β-Ocimene [†] | < LOQ | 0.013 | 0.00% | | valencene [†] | < LOQ | 0.020 | 0.00% | |
| Total Terpenes | 1.76 | | | | | | | | |





Metals

| Analyte | Result | Limits | Units | LOQ | Batch | Analyze | Method | Notes |
|---------|--------|--------|-------|-------|---------|----------|---------------------|-------|
| Arsenic | < LOQ | | mg/kg | 0.100 | 1909726 | 10/25/19 | AOAC 2013.06 (mod.) | X |
| Cadmium | < LOQ | | mg/kg | 0.100 | 1909726 | 10/25/19 | AOAC 2013.06 (mod.) | X |
| Lead | < LOQ | | mg/kg | 0.100 | 1909726 | 10/25/19 | AOAC 2013.06 (mod.) | X |
| Mercury | < LOQ | | mg/kg | 0.100 | 1909726 | 10/25/19 | AOAC 2013.06 (mod.) | 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

µg/g = Microgram per gram

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

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager