



CATLAB, LLC
19 Levesque Dr. #3
Eliot, ME 03903
207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name Blue Sky
Address 1385 Mercer Rd.
Mercer, ME 04957
Order ID 1914
Sample ID 07071
METRC Sample ID 1A40D0300000FA1000004914
Date Received 05/08/2023
Date/Time of Collection 05/08/2023 09:10 AM

License Number AM309
Phone (207)587-2092
Sample Type Concentrate CO₂/Solvent
Strain Banana Mango LDLR 4914
Serving Mass (g)/Package /
Collected Sample Weight 10g
Collected By Tyler Petersen
Date Generated 05/16/2023

Summary of Results

Filth and Foreign Materials Screening

All Results Pass

Microbiological Screening

All Results Pass

Heavy Metals Screening

All Results Pass

Residual Solvents Screening

All Results Pass

Pesticides Screening

All Results Pass

Homogeneity Profile

%RSD THC 0.421

%RSD CBD N/A

Pass/Fail Pass

Pass/Fail Limit is 15%

Potency Profile

| Cannabinoid | Result mg/g |
|-----------------------------|-------------|
| CBDV | < RL |
| THCV | 1.88 |
| CBDA | 2.27 |
| CBD | < RL |
| CBG | 2.23 |
| CBN | 0.874 |
| CBGA | 37.4 |
| CBC | < RL |
| exoTHC | < RL |
| Δ^9 -THC | 340 |
| Δ^8 THC | 6.46 |
| THCA | 305 |
| Total Cannabinoids % | 69.6 |
| Total CBD mg/g | 1.99 |
| Total THC mg/g | 607 |
| Total CBD % | 0.199 |
| Total THC % | 60.7 |

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Homogeneity

Date Analyzed: 05/16/23
Instrument: UPLC CAT-0002

Prep Date: 05/15/23
Method: SOP-QA-0014

Analyst: AC

| Analyte | Finding (mg/g) |
|-----------------------|----------------|
| Total THC Replicate 1 | 607 |
| Total THC Replicate 2 | 606 |
| Total THC Replicate 3 | 611 |
| %RSD THC | 0.421 |

Potency

Date Analyzed: 05/16/23
Instrument: UPLC CAT-0002/CAT-0151

Prep Date: 05/15/23
Method: SOP-QA-0016

Analyst: AC

| Potency | Result % | Result (mg/g) | RL (mg/g) |
|---------|----------|---------------|-----------|
| CBDV | < RL | < RL | 0.214 |
| THCV | 0.188 | 1.88 | 0.214 |
| CBDA | 0.227 | 2.27 | 0.214 |
| CBD | < RL | < RL | 0.214 |
| CBG | 0.223 | 2.23 | 0.214 |
| CBN | 0.0874 | 0.874 | 0.214 |
| CBGA | 3.74 | 37.4 | 0.214 |
| CBC | < RL | < RL | 0.214 |
| exoTHC | < RL | < RL | 0.214 |
| Δ9-THC | 34.0 | 340 | 0.214 |
| Δ8THC | 0.646 | 6.46 | 0.214 |
| THCA | 30.5 | 305 | 0.214 |

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Residual Solvents

Date Analyzed: 5/10/23
Instrument: CAT-0156

Prep Date: 5/9/23
Method: SOP QA-0036

Analyst: LCH

| Analyte | Result (PPM) | RL (PPM) | Action Limit (PPM) | Pass/Fail |
|--------------------|--------------|----------|--------------------|-----------|
| Acetone | < RL | 600 | 5000 | Pass |
| Acetonitrile | < RL | 289 | 410 | Pass |
| Butanes | 1040 | 695 | 5000 | Pass |
| Ethanol | < RL | 699 | 5000 | Pass |
| Ethyl acetate | < RL | 660 | 5000 | Pass |
| Ethyl ether | < RL | 597 | 5000 | Pass |
| Heptanes | < RL | 613 | 5000 | Pass |
| Hexane | < RL | 263 | 290 | Pass |
| Isopropyl alcohol | < RL | 723 | 5000 | Pass |
| Methanol | < RL | 697 | 3000 | Pass |
| Pentane | < RL | 665 | 5000 | Pass |
| Propane | < RL | 957 | 5000 | Pass |
| Toluene | < RL | 660 | 890 | Pass |
| m,p-Xylenes | < RL | 337 | 2170* | Pass |
| o-Xylenes | < RL | 342 | 2170* | Pass |
| 1,2-Dichloroethane | < RL | 1.00 | 1 | Pass |
| Benzene | < RL | 1.00 | 1 | Pass |
| Chloroform | < RL | 1.00 | 1 | Pass |
| Ethylene oxide | < RL | 1.00 | 1 | Pass |
| Methylene chloride | < RL | 1.00 | 1 | Pass |
| Trichloroethylene | < RL | 0.900 | 1 | Pass |

Note: QC presented analytes outside criteria in CCVs (high bias for propane and heptane) and LCS.

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Pesticides

Date Analyzed: 5/15/23
Instrument: CAT-0162

Prep Date: 5/14/23
Method: SOP QA-0040

Analyst: LCH

| Analyte | Finding (PPB) | LOQ (PPB) | Limit (PPB) | Pass/Fail | Analyte | Finding (PPB) | LOQ (PPB) | Limit (PPB) | Pass/Fail |
|---------------------|---------------|-----------|-------------|-----------|----------------------|---------------|-----------|-------------|-----------|
| Abamectin | < RL | 403 | 500 | Pass | Dimethoate | < RL | 39.9 | 200 | Pass |
| Acephate | < RL | 55.6 | 400 | Pass | Ethoprophos | < RL | 33.9 | 200 | Pass |
| Acequinocyl | < RL | 1150 | 2000 | Pass | Etofenprox | < RL | 78.1 | 400 | Pass |
| Acetamiprid | < RL | 31.2 | 200 | Pass | Etoxazole | < RL | 61.2 | 200 | Pass |
| Aldicarb | < RL | 31.2 | 400 | Pass | Fenoxycarb | < RL | 89.9 | 200 | Pass |
| Azoxystrobin | < RL | 33.2 | 200 | Pass | Fenpyroximate | < RL | 83.1 | 400 | Pass |
| Bifenazate | < RL | 31.2 | 200 | Pass | Fipronil | < RL | 112 | 400 | Pass |
| Bifenthrin | < RL | 96.5 | 200 | Pass | Flonicamid | < RL | 31.2 | 1000 | Pass |
| Boscalid | < RL | 42.9 | 400 | Pass | Fludioxonil | < RL | 62.5 | 400 | Pass |
| Carbaryl | < RL | 37.0 | 200 | Pass | Hexythiazox | < RL | 54.3 | 1000 | Pass |
| Carbofuran | < RL | 31.2 | 200 | Pass | Imazalil | < RL | 87.3 | 200 | Pass |
| Chlorantraniliprole | < RL | 92.2 | 200 | Pass | Imidacloprid | < RL | 39.8 | 400 | Pass |
| Chlorfenapyr | < RL | 919 | 1000 | Pass | Kresoxim-methyl | < RL | 53.6 | 400 | Pass |
| Chlorpyrifos | < RL | 74.5 | 200 | Pass | Malathion | < RL | 66.0 | 200 | Pass |
| Clofentezine | < RL | 56.7 | 200 | Pass | Metalaxyl | < RL | 56.4 | 200 | Pass |
| Cyfluthrin | < RL | 798 | 1000 | Pass | Methiocarb | < RL | 31.2 | 200 | Pass |
| Cypermethrin | < RL | 196 | 1000 | Pass | Methomyl | < RL | 31.2 | 400 | Pass |
| Daminozide | < RL | 329 | 1000 | Pass | Methyl parathion | < RL | 193 | 200 | Pass |
| DDVP (Dichlorvos) | < RL | 31.2 | 1000 | Pass | MGK-264 ² | < RL | 70.2 | 200 | Pass |
| Diazinon | < RL | 55.3 | 200 | Pass | Myclobutanil | < RL | 37.3 | 200 | Pass |
| | | | | | Naled | < RL | 42.2 | 500 | Pass |

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Pesticides

Date Analyzed: 5/15/23
Instrument: CAT-0162

Prep Date: 5/14/23
Method: SOP QA-0040

Analyst: LCH

| Analyte | Finding (PPB) | LOQ (PPB) | Limit (PPB) | Pass/Fail |
|-------------------------|---------------|-----------|-------------|-----------|
| Oxamyl | < RL | 31.2 | 1000 | Pass |
| Paclobutrazol | < RL | 52.5 | 400 | Pass |
| Permethrin ³ | < RL | 199 | 200 | Pass |
| Phosmet | < RL | 55.8 | 200 | Pass |
| Piperonyl butoxide | < RL | 59.0 | 2000 | Pass |
| Prallethrin | < RL | 103 | 200 | Pass |
| Propiconazole | < RL | 59.5 | 400 | Pass |
| Propoxur | < RL | 31.2 | 200 | Pass |
| Pyrethrins ¹ | < RL | 248 | 1000 | Pass |
| Pyridaben | < RL | 59.8 | 200 | Pass |
| Spinosad ⁴ | < RL | 62.4 | 200 | Pass |
| Spiromesifen | < RL | 62.5 | 200 | Pass |
| Spirotetramat | < RL | 37.5 | 200 | Pass |
| Spiroxamine | < RL | 37.9 | 400 | Pass |
| tebuconazole | < RL | 69.2 | 400 | Pass |
| Thiacloprid | < RL | 31.2 | 200 | Pass |
| Thiamethoxam | < RL | 62.6 | 200 | Pass |
| Trifloxystrobin | < RL | 59.3 | 200 | Pass |

Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).
5. Abamectin is measured as cumulative residues of Abamectin B1a and Abamectin B1b (CAS #71751-41-2)

QC samples presented analytes outside criteria in CCV (cyfluthrin, cypermethrin, and acequinocyl), LCS (acequinocyl, etofenprox, prallethrin), & spiked matrix sample.

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Heavy Metals

Date Analyzed: 5/10/23
Instrument: CAT-0093

Prep Date: 5/10/23
Method: SOP-QA-0030

Analyst: ITG

| Metals | Result (ug/kg) | RL (ug/kg) | Action Level (ug/kg) | Pass/Fail |
|---------|----------------|------------|----------------------|-----------|
| Arsenic | < RL | 53.5 | 200 | Pass |
| Cadmium | < RL | 26.6 | 200 | Pass |
| Lead | < RL | 27.6 | 500 | Pass |
| Mercury | < RL | 2.42 | 100 | Pass |

The recovery of the SMB for Hg was outside of the 70% to 130% acceptance criteria.

Microbial Analysis

Prep Date Bacteria: 5/9/23
Date Analyzed Bacteria: 5/10/23
Instrument: CAT-0140, CAT-0152

Prep Date Ecoli/SLM: 5/9/23
Date Analyzed Ecoli/SLM: 5/10/23
Method: SOP-QA-0028, SOP-QA-0038

Prep Date Yeast and Mold: 5/9/23
Date Analyzed Yeast and Mold: 5/12/23
Analyst: ITG/KW

| Contaminants | Result (CFU/g) | RL (CFU/g) | Action Level (CFU/g) | Pass/Fail |
|----------------------------|----------------|------------|----------------------|-----------|
| Total Aerobic | < RL | 100 | 10,000 | Pass |
| Total Yeast/Mold | < RL | 100 | 1,000 | Pass |
| Total Enterobacter | < RL | 10 | 100 | Pass |
| Total Coliform | < RL | 10 | 100 | Pass |
| Escherichia Coli (E. Coli) | < RL | 1 | 1 | Pass |
| Salmonella spp | < RL | 1 | 1 | Pass |

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Filth and Foreign Materials

Date Analyzed: 05/16/23
Instrument: Visual Inspection

Prep Date: 05/16/23
Method: SOP-QA-0018

Analyst: JG/DPR

| Analyte | Result | Action Level | Pass/Fail |
|---|--------|--------------|-----------|
| Sand, Soil, Cinders, Dirt, and Mold (%) | 0 | 25 | Pass |
| Embedded Foreign Material (%) | 0 | 25 | Pass |
| Insect Fragment | 0 | 1 | Pass |
| Hair | 0 | 1 | Pass |
| Mammalian Excreta | 0 | 1 | Pass |

Deisy Peña-Romero Lab Director