Green Leaf Lab®
12025 NE Marx St. Portland, OR 97220
503-253-3511 / www.greenleaflabs.com
License#: 10029074C70

# Quality Control Testing
# Official Report

## ISO derived D8 vape distillate

**Sample ID: G2J0342-02** **Matrix:** Hemp Extracts &
**Test ID:** 5026140
**Source ID:**
**Date Sampled:** 10/26/22 **Date Accepted:** 10/26/22
**Batch Lot ID:** ISOD810252022

***Cultivate Oregon***

## Results at a Glance

**Total THC : <LOQ (0.1577%) %**

**Total CBD : <LOQ (0.0431%) %**

**delta 8-THC : 91.08 % PASS**

**Pesticides : PASS**

**Residual Solvent Analysis : PASS**

**Mycotoxins : PASS**

ISO 17025 ACCREDITED LABORATORY

Patrick Hermonson
Chemist - 10/31/2022

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**Test ID:** 5026140
**Source ID:**
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**Batch Lot ID:** ISOD810252022

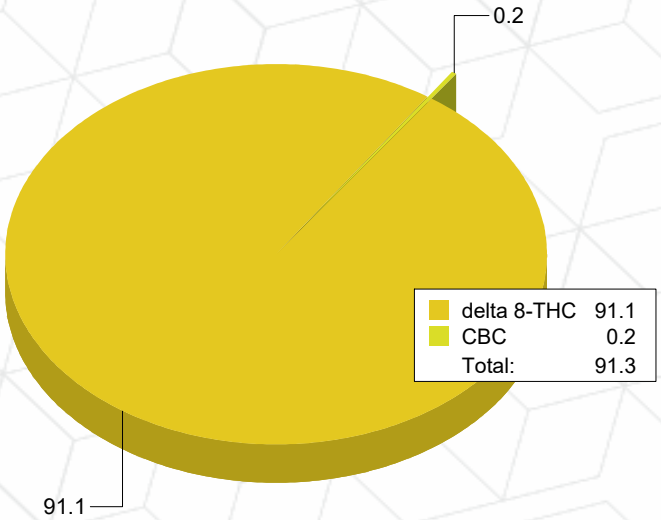
***Cultivate Oregon***

## Potency Analysis

**Date/Time Extracted: 10/26/22 14:07** **Analysis Method/SOP: 215** **Batch Identification: 2244020**

| Cannabinoids | LOQ (%) | % by Wt. | mg/g |
|---|---|---|---|
| Total THC | 0.1577 | < LOQ | < LOQ |
| Total CBD | 0.0431 | < LOQ | < LOQ |
| THCA | 0.0005 | < LOQ | < LOQ |
| delta 9-THC | 0.0005 | < LOQ | < LOQ |
| delta 8-THC | 0.0934 | 91.08 | 910.8 |
| THCV | 0.1052 | < LOQ | < LOQ |
| THCVA | 0.0392 | < LOQ | < LOQ |
| CBD | 0.0005 | < LOQ | < LOQ |
| CBDA | 0.0005 | < LOQ | < LOQ |
| CBDV | 0.1040 | < LOQ | < LOQ |
| CBDVA | 0.0341 | < LOQ | < LOQ |
| CBN | 0.0622 | < LOQ | < LOQ |
| CBG | 0.0164 | < LOQ | < LOQ |
| CBGA | 0.0164 | < LOQ | < LOQ |
| CBC | 0.0186 | 0.2395 | 2.395 |
| **Total Cannabinoids** | | 91.32 | 913.2 |

**Cannabinoids Profile**




Total THC = delta 9-THC + (THCA * 0.877)
Total CBD = CBD + (CBDA * 0.877)
Total CBG = CBG + (CBGA * 0.878)
LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.

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**Test ID:** 5026140
**Source ID:**
**Date Sampled:** 10/26/22 **Date Accepted:** 10/26/22
**Batch Lot ID:** ISOD810252022

***Cultivate Oregon***

## Pesticide Analysis in ppm

**Date/Time Extracted: 10/26/22 14:24**
**Analysis Method/SOP: 202**

| Analyte | Result | Action Level | LOD | LOQ | Units | Notes | Analyte | Result | Action Level | LOD | LOQ | Units | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Abamectin | < LOQ | 0.5 | | 0.1 | ppm | | Acephate | < LOQ | 0.4 | | 0.1 | ppm | |
| Acequinocyl | < LOQ | 2 | | 0.5 | ppm | | Acetamiprid | < LOQ | 0.2 | | 0.1 | ppm | |
| Aldicarb | < LOQ | 0.4 | | 0.1 | ppm | | Azoxystrobin | < LOQ | 0.2 | | 0.1 | ppm | |
| Bifenazate | < LOQ | 0.2 | | 0.1 | ppm | | Bifenthrin | < LOQ | 0.2 | | 0.1 | ppm | |
| Boscalid | < LOQ | 0.4 | | 0.1 | ppm | | Carbaryl | < LOQ | 0.2 | | 0.1 | ppm | |
| Carbofuran | < LOQ | 0.2 | | 0.1 | ppm | | Chlorantraniliprole | < LOQ | 0.2 | | 0.1 | ppm | |
| Chlorfenapyr | < LOQ | 1 | | 0.1 | ppm | | Chlorpyrifos | < LOQ | 0.2 | | 0.1 | ppm | |
| Clofentezine | < LOQ | 0.2 | | 0.1 | ppm | | Cyfluthrin | < LOQ | 1 | | 0.5 | ppm | |
| Cypermethrin | < LOQ | 1 | | 0.5 | ppm | | Daminozide | < LOQ | 1 | | 0.5 | ppm | |
| DDVP (Dichlorvos) | < LOQ | 1 | | 0.1 | ppm | | Diazinon | < LOQ | 0.2 | | 0.1 | ppm | |
| Dimethoate | < LOQ | 0.2 | | 0.1 | ppm | | Ethoprophos | < LOQ | 0.2 | | 0.1 | ppm | |
| Etofenprox | < LOQ | 0.4 | | 0.1 | ppm | | Etoxazole | < LOQ | 0.2 | | 0.1 | ppm | |
| Fenoxycarb | < LOQ | 0.2 | | 0.1 | ppm | | Fenpyroximate | < LOQ | 0.4 | | 0.1 | ppm | |
| Fipronil | < LOQ | 0.4 | | 0.1 | ppm | | Flonicamid | < LOQ | 1 | | 0.1 | ppm | |
| Fludioxonil | < LOQ | 0.4 | | 0.1 | ppm | | Hexythiazox | < LOQ | 1 | | 0.1 | ppm | |
| Imazalil | < LOQ | 0.2 | | 0.1 | ppm | | Imidacloprid | < LOQ | 0.4 | | 0.1 | ppm | |
| Kresoxim-methyl | < LOQ | 0.4 | | 0.1 | ppm | | Malathion | < LOQ | 0.2 | | 0.1 | ppm | |
| Metalaxyl | < LOQ | 0.2 | | 0.1 | ppm | | Methiocarb | < LOQ | 0.2 | | 0.1 | ppm | |
| Methomyl | < LOQ | 0.4 | | 0.1 | ppm | | Methyl parathion | < LOQ | 0.2 | | 0.1 | ppm | |
| MGK-264 | < LOQ | 0.2 | | 0.1 | ppm | | Myclobutanil | < LOQ | 0.2 | | 0.1 | ppm | |
| Naled | < LOQ | 0.5 | | 0.1 | ppm | | Oxamyl | < LOQ | 1 | | 0.1 | ppm | |
| Paclobutrazol | < LOQ | 0.4 | | 0.1 | ppm | | Permethrins | < LOQ | 0.2 | | 0.1 | ppm | |
| Phosmet | < LOQ | 0.2 | | 0.1 | ppm | | Piperonyl butoxide | < LOQ | 2 | | 0.9 | ppm | |
| Prallethrin | < LOQ | 0.2 | | 0.1 | ppm | | Propiconazole | < LOQ | 0.4 | | 0.1 | ppm | |
| Propoxur | < LOQ | 0.2 | | 0.1 | ppm | | Pyrethrins | < LOQ | 1 | | 0.5 | ppm | |
| Pyridaben | < LOQ | 0.2 | | 0.1 | ppm | | Spinosad | < LOQ | 0.2 | | 0.1 | ppm | |
| Spiromesifen | < LOQ | 0.2 | | 0.1 | ppm | | Spirotetramat | < LOQ | 0.2 | | 0.1 | ppm | |
| Spiroxamine | < LOQ | 0.4 | | 0.1 | ppm | | Tebuconazole | < LOQ | 0.4 | | 0.1 | ppm | |
| Thiacloprid | < LOQ | 0.2 | | 0.1 | ppm | | Thiamethoxam | < LOQ | 0.2 | | 0.1 | ppm | |
| Trifloxystrobin | < LOQ | 0.2 | | 0.1 | ppm | | | | | | | | |

ND - Compound not detected
Results above the Action Level fail state testing requirements and will be highlighted Red.

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**Batch Lot ID:** ISOD810252022

***Cultivate Oregon***

## Residual Solvents

**Date/Time Extracted: 10/27/22 09:30** **Analysis Method/SOP: 205**

| Analyte | Result | Action Level | LOD | LOQ | Units | Notes |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | < LOQ | 380 | | 50.00 | ppm | |
| 2-Butanol | < LOQ | 5000 | | 1000 | ppm | |
| 2-Ethoxyethanol | < LOQ | 160 | | 80.00 | ppm | |
| 2-Propanol (IPA) | < LOQ | 5000 | | 1000 | ppm | |
| Acetone | < LOQ | 5000 | | 1000 | ppm | |
| Acetonitrile | < LOQ | 410 | | 50.00 | ppm | |
| Benzene | < LOQ | 2 | | 1.000 | ppm | |
| Butanes | < LOQ | 5000 | | 1000 | ppm | |
| Cumene | < LOQ | 70 | | 35.00 | ppm | |
| Cyclohexane | < LOQ | 3880 | | 50.00 | ppm | |
| Dichloromethane | < LOQ | 600 | | 50.00 | ppm | |
| Ethyl acetate | < LOQ | 5000 | | 1000 | ppm | |
| Ethyl benzene | < LOQ | 2170 | | 35.00 | ppm | |
| Ethyl ether | < LOQ | 5000 | | 1000 | ppm | |
| Ethylene glycol | < LOQ | 620 | | 310.0 | ppm | |
| Ethylene oxide | < LOQ | 50 | | 25.00 | ppm | |
| Heptane | < LOQ | 5000 | | 1000 | ppm | |
| Hexanes | < LOQ | 290 | | 50.00 | ppm | |
| Isopropyl acetate | < LOQ | 5000 | | 1000 | ppm | |
| Methanol | < LOQ | 3000 | | 1000 | ppm | |
| Pentanes | < LOQ | 5000 | | 1000 | ppm | |
| Propane | < LOQ | 5000 | | 1000 | ppm | |
| Tetrahydrofuran | < LOQ | 720 | | 50.00 | ppm | |
| Toluene | < LOQ | 890 | | 50.00 | ppm | |
| Xylenes | < LOQ | 2170 | | 50.00 | ppm | |

<LOQ - Results below the Limit of Quantitation
Results above the Action Level fail state testing requirements and will be highlighted Red.

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**Test ID:** 5026140
**Source ID:**
**Date Sampled:** 10/26/22 **Date Accepted:** 10/26/22
**Batch Lot ID:** ISOD810252022

***Cultivate Oregon***

## Mycotoxins by LCMSMS

**Date/Time Extracted: 10/29/22 11:18** **Analysis Method/SOP: Mycotoxins**

| Analyte | Result | LOD | LOQ | Units |
|---|---|---|---|---|
| aflatoxin B1 | < LOQ | 5.00 | 6.25 | ug/kg |
| aflatoxin B2 | < LOQ | 5.00 | 6.25 | ug/kg |
| aflatoxin G1 | < LOQ | 5.00 | 6.25 | ug/kg |
| aflatoxin G2 | < LOQ | 5.00 | 6.25 | ug/kg |
| ochratoxin A | < LOQ | 5.00 | 6.25 | ug/kg |
| Total Aflatoxins | < LOQ | 5.00 | 6.25 | ug/kg |

Analysis Subcontracted to Green Leaf Lab.

<LOQ - Results below the Limit of Quantitation
Results above the Action Level fail state testing requirements and will be highlighted Red.

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# Quality Control

## Potency

***Batch: 2244020 - 215-Concentrates***

**Blank(2244020-BLK1)**

| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
|---|---|---|---|---|---|---|---|
| THCA | < LOQ | 0.0005 | % | | 10/26/22 14:07 | 10/26/22 17:29 | |
| delta 9-THC | < LOQ | 0.0005 | % | | 10/26/22 14:07 | 10/26/22 17:29 | |
| delta 8-THC | < LOQ | 0.0934 | % | | 10/26/22 14:07 | 10/26/22 17:29 | |
| THCV | < LOQ | 0.1052 | % | | 10/26/22 14:07 | 10/26/22 17:29 | |
| THCVA | < LOQ | 0.0392 | % | | 10/26/22 14:07 | 10/26/22 17:29 | |
| CBD | < LOQ | 0.0005 | % | | 10/26/22 14:07 | 10/26/22 17:29 | |
| CBDA | < LOQ | 0.0005 | % | | 10/26/22 14:07 | 10/26/22 17:29 | |
| CBDV | < LOQ | 0.1040 | % | | 10/26/22 14:07 | 10/26/22 17:29 | |
| CBDVA | < LOQ | 0.0341 | % | | 10/26/22 14:07 | 10/26/22 17:29 | |
| CBN | < LOQ | 0.0622 | % | | 10/26/22 14:07 | 10/26/22 17:29 | |
| CBG | < LOQ | 0.0164 | % | | 10/26/22 14:07 | 10/26/22 17:29 | |
| CBGA | < LOQ | 0.0164 | % | | 10/26/22 14:07 | 10/26/22 17:29 | |
| CBC | < LOQ | 0.0186 | % | | 10/26/22 14:07 | 10/26/22 17:29 | |

**Reference(2244020-SRM1)**

| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
|---|---|---|---|---|---|---|---|
| THCA | 101 | 0.0002 | % | 90-110 | 10/26/22 14:07 | 10/26/22 17:52 | |
| delta 9-THC | 101 | 0.0002 | % | 90-110 | 10/26/22 14:07 | 10/26/22 17:52 | |
| delta 8-THC | 103 | 0.0463 | % | 90-110 | 10/26/22 14:07 | 10/26/22 17:52 | |
| CBD | 105 | 0.0002 | % | 90-110 | 10/26/22 14:07 | 10/26/22 17:52 | |
| CBDA | 104 | 0.0002 | % | 90-110 | 10/26/22 14:07 | 10/26/22 17:52 | |

## Pesticide Analysis

***Batch: 2244021 - 202***

**Blank(2244021-BLK1)**

| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
|---|---|---|---|---|---|---|---|
| Abamectin | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Acephate | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Acequinocyl | < LOQ | 0.5 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Acetamiprid | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Aldicarb | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Azoxystrobin | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Bifenazate | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Bifenthrin | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Boscalid | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 15:34 | |
| Carbaryl | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Carbofuran | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Chlorantraniliprole | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Chlorfenapyr | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 15:34 | |

QUALITY MANAGEMENT SYSTEM
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# Quality Control

## Pesticide Analysis (Continued)

***Batch: 2244021 - 202 (Continued)***

**Blank(2244021-BLK1)**

| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
|---|---|---|---|---|---|---|---|
| Chlorpyrifos | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Clofentezine | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Daminozide | < LOQ | 0.5 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Cyfluthrin | < LOQ | 0.5 | ppm | | 10/26/22 14:24 | 10/27/22 15:34 | |
| Diazinon | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Cypermethrin | < LOQ | 0.5 | ppm | | 10/26/22 14:24 | 10/27/22 15:34 | |
| Dimethoate | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Ethoprophos | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Etofenprox | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Etoxazole | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Fenoxycarb | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Fenpyroximate | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Flonicamid | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Hexythiazox | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Imazalil | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Fipronil | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 15:34 | |
| Imidacloprid | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Fludioxonil | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 15:34 | |
| Metalaxyl | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Methiocarb | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Methomyl | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Myclobutanil | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Kresoxim-methyl | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 15:34 | |
| Naled | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Malathion | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 15:34 | |
| Oxamyl | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Paclobutrazol | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Permethrins | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Methyl parathion | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 15:34 | |
| MGK-264 | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 15:34 | |
| Phosmet | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Piperonyl butoxide | < LOQ | 0.9 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Prallethrin | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Propoxur | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Pyrethrins | < LOQ | 0.5 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Pyridaben | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Propiconazole | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 15:34 | |
| Spinosad | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |



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# Quality Control

## Pesticide Analysis (Continued)

***Batch: 2244021 - 202 (Continued)***

**Blank(2244021-BLK1)**

| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
|---|---|---|---|---|---|---|---|
| Spiromesifen | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Spirotetramat | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Spiroxamine | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Tebuconazole | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Thiacloprid | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Thiamethoxam | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| Trifloxystrobin | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |
| DDVP (Dichlorvos) | < LOQ | 0.1 | ppm | | 10/26/22 14:24 | 10/27/22 16:35 | |

**LCS(2244021-BS1)**

| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
|---|---|---|---|---|---|---|---|
| Abamectin | 69.3 | 0.1 | ppm | 50-150 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Acephate | 85.3 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Acequinocyl | 99.0 | 0.5 | ppm | 40-160 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Acetamiprid | 104 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Aldicarb | 84.6 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Azoxystrobin | 99.6 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Bifenazate | 94.9 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Bifenthrin | 166 | 0.1 | ppm | 50-150 | 10/26/22 14:24 | 10/27/22 16:58 | BSH |
| Boscalid | 90.4 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 15:56 | |
| Carbaryl | 108 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Carbofuran | 106 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Chlorantraniliprole | 86.6 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Chlorfenapyr | 84.9 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 15:56 | |
| Chlorpyrifos | 95.9 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Clofentezine | 117 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Daminozide | 312 | 0.5 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | BSH |
| Cyfluthrin | 123 | 0.5 | ppm | 50-150 | 10/26/22 14:24 | 10/27/22 15:56 | |
| Diazinon | 98.2 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Cypermethrin | 97.0 | 0.5 | ppm | 50-150 | 10/26/22 14:24 | 10/27/22 15:56 | |
| Dimethoate | 102 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Ethoprophos | 98.0 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Etofenprox | 106 | 0.1 | ppm | 50-150 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Etoxazole | 102 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Fenoxycarb | 102 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Fenpyroximate | 106 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Flonicamid | 95.1 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Hexythiazox | 112 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Imazalil | 125 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | BSH |



Patrick Hermonson
Chemist - 10/31/2022

Green Leaf Lab
12025 NE Marx St. Portland, OR 97220
503-253-3511 / www.greenleaflabs.com
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# Quality Control

## Pesticide Analysis (Continued)

***Batch: 2244021 - 202 (Continued)***

**LCS(2244021-BS1)**

| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
|---|---|---|---|---|---|---|---|
| Fipronil | 79.8 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 15:56 | |
| Imidacloprid | 101 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Fludioxonil | 75.2 | 0.1 | ppm | 50-150 | 10/26/22 14:24 | 10/27/22 15:56 | |
| Metalaxyl | 93.7 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Methiocarb | 96.0 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Methomyl | 123 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | BSH |
| Myclobutanil | 95.4 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Kresoxim-methyl | 80.9 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 15:56 | |
| Naled | 107 | 0.1 | ppm | 50-150 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Malathion | 89.1 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 15:56 | |
| Oxamyl | 101 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Paclobutrazol | 92.0 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Permethrins | 103 | 0.1 | ppm | 50-150 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Methyl parathion | 74.1 | 0.1 | ppm | 50-150 | 10/26/22 14:24 | 10/27/22 15:56 | |
| MGK-264 | 76.8 | 0.1 | ppm | 50-150 | 10/26/22 14:24 | 10/27/22 15:56 | |
| Phosmet | 92.2 | 0.1 | ppm | 50-150 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Piperonyl butoxide | 101 | 0.9 | ppm | 60-120 | 10/26/22 14:24 | 10/28/22 12:23 | |
| Prallethrin | 93.9 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Propoxur | 101 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Pyrethrins | 89.4 | 0.5 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Pyridaben | 118 | 0.1 | ppm | 50-150 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Propiconazole | 102 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 15:56 | |
| Spinosad | 140 | 0.1 | ppm | 50-150 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Spiromesifen | 110 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Spirotetramat | 103 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Spiroxamine | 122 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | BSH |
| Tebuconazole | 101 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Thiacloprid | 105 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Thiamethoxam | 93.5 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| Trifloxystrobin | 97.0 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |
| DDVP (Dichlorvos) | 90.0 | 0.1 | ppm | 60-120 | 10/26/22 14:24 | 10/27/22 16:58 | |

# Solvent Analysis

***Batch: 2244024 - 205***

**Blank(2244024-BLK1)**

| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
|---|---|---|---|---|---|---|---|
| Acetone | < LOQ | 1000 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Acetonitrile | < LOQ | 50.00 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |

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Patrick Hermonson
Chemist - 10/31/2022

Green Leaf Lab
12025 NE Marx St. Portland, OR 97220
503-253-3511 / www.greenleaflabs.com
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# Quality Control

## Solvent Analysis (Continued)

***Batch: 2244024 - 205 (Continued)***

**Blank(2244024-BLK1)**

| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
|---|---|---|---|---|---|---|---|
| Benzene | < LOQ | 1.000 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Butanes | < LOQ | 1000 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| 2-Butanol | < LOQ | 1000 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Cumene | < LOQ | 35.00 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Cyclohexane | < LOQ | 50.00 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Dichloromethane | < LOQ | 50.00 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| 1,4-Dioxane | < LOQ | 50.00 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| 2-Ethoxyethanol | < LOQ | 80.00 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Ethyl acetate | < LOQ | 1000 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Ethyl benzene | < LOQ | 35.00 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Ethylene glycol | < LOQ | 310.0 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Ethylene oxide | < LOQ | 25.00 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Ethyl ether | < LOQ | 1000 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Heptane | < LOQ | 1000 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Hexanes | < LOQ | 50.00 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Isopropyl acetate | < LOQ | 1000 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Methanol | < LOQ | 1000 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Pentanes | < LOQ | 1000 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Propane | < LOQ | 1000 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| 2-Propanol (IPA) | < LOQ | 1000 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Tetrahydrofuran | < LOQ | 50.00 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Toluene | < LOQ | 50.00 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |
| Xylenes | < LOQ | 50.00 | ppm | | 10/27/22 09:30 | 10/28/22 15:19 | |

**LCS(2244024-BS1)**

| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
|---|---|---|---|---|---|---|---|
| Acetone | 90.0 | 1000 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Acetonitrile | 91.2 | 50.00 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Benzene | 84.3 | 1.000 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Butanes | 88.1 | 1000 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| 2-Butanol | 88.4 | 1000 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Cumene | 72.9 | 35.00 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Cyclohexane | 85.1 | 50.00 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Dichloromethane | 92.5 | 50.00 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| 1,4-Dioxane | 77.4 | 50.00 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| 2-Ethoxyethanol | 76.9 | 80.00 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Ethyl acetate | 88.3 | 1000 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Ethyl benzene | 76.2 | 35.00 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Ethylene glycol | 91.3 | 310.0 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | BSL |

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Patrick Hermonson
Chemist - 10/31/2022

Green Leaf Lab
12025 NE Marx St. Portland, OR 97220
503-253-3511 / www.greenleaflabs.com
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# Quality Control

## Solvent Analysis (Continued)

***Batch: 2244024 - 205 (Continued)***

**LCS(2244024-BS1)**

| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
|---|---|---|---|---|---|---|---|
| Ethylene oxide | 93.3 | 25.00 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Ethyl ether | 89.8 | 1000 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Heptane | 93.4 | 1000 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Hexanes | 70.3 | 50.00 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Isopropyl acetate | 87.6 | 1000 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Methanol | 94.7 | 1000 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Pentanes | 88.0 | 1000 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Propane | 83.8 | 1000 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| 2-Propanol (IPA) | 91.4 | 1000 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Tetrahydrofuran | 92.9 | 50.00 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |
| Toluene | 79.8 | 50.00 | ppm | 60-120 | 10/27/22 09:30 | 10/28/22 00:49 | |

# Mycotoxins

***Batch: 2244053 - 202***

**Blank(2244053-BLK1)**

| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
|---|---|---|---|---|---|---|---|
| aflatoxin B1 | < LOQ | 6.25 | ug/kg | | 10/29/22 11:18 | 10/29/22 20:11 | |
| aflatoxin B2 | < LOQ | 6.25 | ug/kg | | 10/29/22 11:18 | 10/29/22 20:11 | |
| aflatoxin G1 | < LOQ | 6.25 | ug/kg | | 10/29/22 11:18 | 10/29/22 20:11 | |
| aflatoxin G2 | < LOQ | 6.25 | ug/kg | | 10/29/22 11:18 | 10/29/22 20:11 | |
| ochratoxin A | < LOQ | 6.25 | ug/kg | | 10/29/22 11:18 | 10/29/22 20:11 | |

**LCS(2244053-BS1)**

| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
|---|---|---|---|---|---|---|---|
| aflatoxin B1 | 80.1 | 6.25 | ug/kg | 60-120 | 10/29/22 11:18 | 10/29/22 20:21 | |
| aflatoxin B2 | 90.0 | 6.25 | ug/kg | 60-120 | 10/29/22 11:18 | 10/29/22 20:21 | |
| aflatoxin G1 | 87.4 | 6.25 | ug/kg | 60-120 | 10/29/22 11:18 | 10/29/22 20:21 | |
| aflatoxin G2 | 85.1 | 6.25 | ug/kg | 60-120 | 10/29/22 11:18 | 10/29/22 20:21 | |
| ochratoxin A | 153 | 6.25 | ug/kg | 60-120 | 10/29/22 11:18 | 10/29/22 20:21 | BSH |



Patrick Hermonson
Chemist - 10/31/2022

Green Leaf Lab®
12025 NE Marx St. Portland, OR 97220
503-253-3511 / www.greenleaflabs.com
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# Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to ORELAP-SOP-001 and ORELAP-SOP-002 and following Sampling Plan FN117. Quality Control samples were tested as received. Laboratory results do not take into account the uncertainty of measurements. Available upon request.

| | |
|---|---|
| ATM | Non-cannabis matrix related interference or suppression of Internal standard |
| BLI | Baseline Interference - Cannabinoid peak interference in chromatographic baseline affecting QC recovery . |
| BLK | Analyte detected in method blank, but not associated samples. |
| BSH | Blank Spike High - Blank Spike recovery above method limit. no detections in samples. |
| BSL | Blank Spike Low - Blank Spike recovery below lower method limit, analyte chromatography reviewed |
| C | manually for all samples. |
| CBD | Interference due to co-elution |
| CV1 | CBD matrix interference on GC Pest chromatography |
| CV2 | CCV was above acceptance criteria, Non-detect samples are considered acceptable. |
| INF | CCV was below acceptance criteria, sample still exceeds regulatory limit. |
| ISH | One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only. |
| ISL | Internal Standard concentration is above acceptance criteria. |
| MSH | Internal Standard concentration is below acceptance criteria. |
| MSI | Matrix Spike High - Matrix Spike recovery above method limits. |
| MSL | Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting |
| TPP | recovery accuracy in Matrix Spike. |
| U | Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples. |
| | Internal Standard concentration outside control limit due to matrix interference |

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