



### CBD ISO GVL-TST553

Sample ID: G3C0332-01 Matrix: Hemp Extracts & Concentrates

Test ID: 5020290

Source ID:

Date Sampled: 03/21/23 Date Accepted: 03/21/23

Harvest/Prod. Date: 03.20.2023

**GVB Oregon**  
testing@gvbbiopharma.com

### Results at a Glance

Total THC : <LOQ (0.1577%) %

Total CBD : 99.11 %

Total CBG : <LOQ (0.0164%) %

Pesticides : PASS

Residual Solvent Analysis : PASS

Total Colonies : <LOQ cfu/g PASS

Metals : PASS



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LABORATORY

Eric Wendt  
Chief Science Officer - 3/24/2023



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### Potency Analysis by HPLC

Date/Time Extracted: 03/22/23 10:35

Analysis Method/SOP: 215

Batch Identification: 2312032

| Cannabinoids              | LOQ (%) | % by Wt. | mg/g  | Cannabinoids Profile |
|---------------------------|---------|----------|-------|----------------------|
| Total THC                 | 0.1577  | < LOQ    | < LOQ | <p>99.1</p>          |
| Total CBD                 | 0.0431  | 99.11    | 991.1 |                      |
| Total CBG                 | 0.0164  | < LOQ    | < LOQ |                      |
| THCA                      | 0.0005  | < LOQ    | < LOQ |                      |
| delta 9-THC               | 0.0005  | < LOQ    | < LOQ |                      |
| delta 8-THC               | 0.0934  | < LOQ    | < LOQ |                      |
| THCV                      | 0.1052  | < LOQ    | < LOQ |                      |
| THCVA                     | 0.0392  | < LOQ    | < LOQ |                      |
| CBD                       | 0.0005  | 99.11    | 991.1 |                      |
| 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  | < LOQ    | < LOQ |                      |
| <b>Total Cannabinoids</b> |         | 99.11    | 991.1 |                      |

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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### Pesticide Analysis by LCMSMS and GCMSMS

Date/Time Extracted: 03/22/23 10:17

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   |       | Acetamidrid         | < 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   |       | Fonicamid           | < 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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### Residual Solvents by GCMS-HS

Date/Time Extracted: 03/21/23 13:45

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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### Molds and Fungi Screen

Date/Time Extracted: 03/22/23 11:41

Analysis Method/SOP: 301

Total Colonies: < LOQ CFU/g

This is not a doctor's recommendation. A large majority of samples fall within the 1400-8500 range.  
Microbial colony counting is not accredited to ORELAP TNI 2009 or ISO 17025:2017 Quality Standards.

### Metals by ICPMS

Date/Time Extracted: 03/22/23 12:24

Analysis Method/SOP: Metals

| Analyte | Result | Action Level | LOD  | LOQ  | Units |
|---------|--------|--------------|------|------|-------|
| Arsenic | < LOQ  | 0.2          | 0.03 | 0.08 | ug/g  |
| Cadmium | < LOQ  | 0.2          | 0.02 | 0.08 | ug/g  |
| Lead    | < LOQ  | 0.5          | 0.01 | 0.08 | ug/g  |
| Mercury | < LOQ  | 0.1          | 0.01 | 0.04 | ug/g  |

<LOQ - Results below the Limit of Quantitation

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### Quality Control Potency

Batch: 2312032 - 215-Concentrates

| Blank(2312032-BLK1) |        |        |       |                  |                |                |       |
|---------------------|--------|--------|-------|------------------|----------------|----------------|-------|
| Analyte             | Result | LOQ    | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| THCA                | < LOQ  | 0.0005 | %     |                  | 03/22/23 10:35 | 03/22/23 18:31 |       |
| delta 9-THC         | < LOQ  | 0.0005 | %     |                  | 03/22/23 10:35 | 03/22/23 18:31 |       |
| delta 8-THC         | < LOQ  | 0.0934 | %     |                  | 03/22/23 10:35 | 03/22/23 18:31 |       |
| THCV                | < LOQ  | 0.1052 | %     |                  | 03/22/23 10:35 | 03/22/23 18:31 |       |
| THCVA               | < LOQ  | 0.0392 | %     |                  | 03/22/23 10:35 | 03/22/23 18:31 |       |
| CBD                 | < LOQ  | 0.0005 | %     |                  | 03/22/23 10:35 | 03/22/23 18:31 |       |
| CBDA                | < LOQ  | 0.0005 | %     |                  | 03/22/23 10:35 | 03/22/23 18:31 |       |
| CBDV                | < LOQ  | 0.1040 | %     |                  | 03/22/23 10:35 | 03/22/23 18:31 |       |
| CBDVA               | < LOQ  | 0.0341 | %     |                  | 03/22/23 10:35 | 03/22/23 18:31 |       |
| CBN                 | < LOQ  | 0.0622 | %     |                  | 03/22/23 10:35 | 03/22/23 18:31 |       |
| CBG                 | < LOQ  | 0.0164 | %     |                  | 03/22/23 10:35 | 03/22/23 18:31 |       |
| CBGA                | < LOQ  | 0.0164 | %     |                  | 03/22/23 10:35 | 03/22/23 18:31 |       |
| CBC                 | < LOQ  | 0.0186 | %     |                  | 03/22/23 10:35 | 03/22/23 18:31 |       |

| Reference(2312032-SRM1) |            |        |       |                  |                |                |       |
|-------------------------|------------|--------|-------|------------------|----------------|----------------|-------|
| Analyte                 | % Recovery | LOQ    | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| THCA                    | 96.0       | 0.0002 | %     | 90-110           | 03/22/23 10:35 | 03/22/23 18:54 |       |
| delta 9-THC             | 102        | 0.0002 | %     | 90-110           | 03/22/23 10:35 | 03/22/23 18:54 |       |
| delta 8-THC             | 93.7       | 0.0454 | %     | 90-110           | 03/22/23 10:35 | 03/22/23 18:54 |       |
| CBD                     | 99.7       | 0.0002 | %     | 90-110           | 03/22/23 10:35 | 03/22/23 18:54 |       |
| CBDA                    | 91.3       | 0.0002 | %     | 90-110           | 03/22/23 10:35 | 03/22/23 18:54 |       |

### Pesticide Analysis

Batch: 2312030 - 202

| Blank(2312030-BLK1) |        |     |       |                  |                |                |       |
|---------------------|--------|-----|-------|------------------|----------------|----------------|-------|
| Analyte             | Result | LOQ | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| Abamectin           | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Acephate            | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Acequinocyl         | < LOQ  | 0.5 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Acetamiprid         | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Aldicarb            | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Azoxystrobin        | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Bifenazate          | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Bifenthrin          | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Boscalid            | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 17:59 |       |
| Carbaryl            | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Carbofuran          | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Chlorantraniliprole | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Chlorfenapyr        | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 17:59 |       |



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### Quality Control Pesticide Analysis (Continued)

Batch: 2312030 - 202 (Continued)

| Blank(2312030-BLK1) |        |     |       |                  |                |                |       |
|---------------------|--------|-----|-------|------------------|----------------|----------------|-------|
| Analyte             | Result | LOQ | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| Chlorpyrifos        | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Clofentezine        | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Daminozide          | < LOQ  | 0.5 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Cyfluthrin          | < LOQ  | 0.5 | ppm   |                  | 03/22/23 10:17 | 03/22/23 17:59 |       |
| Diazinon            | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Cypermethrin        | < LOQ  | 0.5 | ppm   |                  | 03/22/23 10:17 | 03/22/23 17:59 |       |
| Dimethoate          | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Ethoprophos         | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Etofenprox          | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Etoxazole           | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Fenoxycarb          | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Fenpyroximate       | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Flonicamid          | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Hexythiazox         | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Imazalil            | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Fipronil            | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 17:59 |       |
| Imidacloprid        | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Fludioxonil         | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 17:59 |       |
| Metalaxyl           | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Methiocarb          | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Methomyl            | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Myclobutanil        | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Kresoxim-methyl     | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 17:59 |       |
| Naled               | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Malathion           | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 17:59 |       |
| Oxamyl              | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Paclobutrazol       | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Permethrins         | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Methyl parathion    | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 17:59 |       |
| MGK-264             | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 17:59 |       |
| Phosmet             | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Piperonyl butoxide  | < LOQ  | 0.9 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Prallethrin         | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Propoxur            | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Pyrethrins          | < LOQ  | 0.5 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Pyridaben           | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Propiconazole       | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 17:59 |       |
| Spinosad            | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |



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Chief Science Officer - 3/24/2023



### Quality Control Pesticide Analysis (Continued)

Batch: 2312030 - 202 (Continued)

| Blank(2312030-BLK1) |        |     |       |                  |                |                |       |
|---------------------|--------|-----|-------|------------------|----------------|----------------|-------|
| Analyte             | Result | LOQ | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| Spiromesifen        | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Spirotetramat       | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Spiroxamine         | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Tebuconazole        | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Thiacloprid         | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Thiamethoxam        | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| Trifloxystrobin     | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |
| DDVP (Dichlorvos)   | < LOQ  | 0.1 | ppm   |                  | 03/22/23 10:17 | 03/22/23 18:06 |       |

| LCS(2312030-BS1)    |            |     |       |                  |                |                |       |
|---------------------|------------|-----|-------|------------------|----------------|----------------|-------|
| Analyte             | % Recovery | LOQ | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| Abamectin           | 89.8       | 0.1 | ppm   | 50-150           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Acephate            | 111        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Acequinocyl         | 108        | 0.5 | ppm   | 40-160           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Acetamiprid         | 116        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Aldicarb            | 111        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Azoxystrobin        | 114        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Bifenazate          | 111        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Bifenthrin          | 105        | 0.1 | ppm   | 50-150           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Boscalid            | 99.2       | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:21 |       |
| Carbaryl            | 105        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Carbofuran          | 106        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Chlorantraniliprole | 90.8       | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Chlorfenapyr        | 125        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:21 | BSH   |
| Chlorpyrifos        | 80.0       | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Clofentezine        | 103        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Daminozide          | 267        | 0.5 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 | BSH   |
| Cyfluthrin          | 92.9       | 0.5 | ppm   | 50-150           | 03/22/23 10:17 | 03/22/23 18:21 |       |
| Diazinon            | 109        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Cypermethrin        | 95.4       | 0.5 | ppm   | 50-150           | 03/22/23 10:17 | 03/22/23 18:21 |       |
| Dimethoate          | 108        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Ethoprophos         | 107        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Etofenprox          | 111        | 0.1 | ppm   | 50-150           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Etoxazole           | 112        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Fenoxycarb          | 107        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Fenpyroximate       | 108        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Flonicamid          | 118        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Hexythiazox         | 82.0       | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Imazalil            | 102        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |



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### Quality Control Pesticide Analysis (Continued)

Batch: 2312030 - 202 (Continued)

| LCS(2312030-BS1)   |            |     |       |                  |                |                |       |
|--------------------|------------|-----|-------|------------------|----------------|----------------|-------|
| Analyte            | % Recovery | LOQ | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| Fipronil           | 95.9       | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:21 |       |
| Imidacloprid       | 125        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 | BSH   |
| Fludioxonil        | 93.0       | 0.1 | ppm   | 50-150           | 03/22/23 10:17 | 03/22/23 18:21 |       |
| Metalaxyl          | 113        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Methiocarb         | 113        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Methomyl           | 110        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Myclobutanil       | 111        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Kresoxim-methyl    | 99.3       | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:21 |       |
| Naled              | 106        | 0.1 | ppm   | 50-150           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Malathion          | 77.1       | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:21 |       |
| Oxamyl             | 111        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Paclobutrazol      | 107        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Permethrins        | 99.9       | 0.1 | ppm   | 50-150           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Methyl parathion   | 98.2       | 0.1 | ppm   | 50-150           | 03/22/23 10:17 | 03/22/23 18:21 |       |
| MGK-264            | 89.5       | 0.1 | ppm   | 50-150           | 03/22/23 10:17 | 03/22/23 18:21 |       |
| Phosmet            | 111        | 0.1 | ppm   | 50-150           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Piperonyl butoxide | 108        | 0.9 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Prallethrin        | 115        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Propoxur           | 107        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Pyrethrins         | 139        | 0.5 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 | BSH   |
| Pyridaben          | 116        | 0.1 | ppm   | 50-150           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Propiconazole      | 84.8       | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:21 |       |
| Spinosad           | 110        | 0.1 | ppm   | 50-150           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Spiromesifen       | 99.7       | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Spirotetramat      | 108        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Spiroxamine        | 86.1       | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Tebuconazole       | 109        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Thiacloprid        | 114        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| Thiamethoxam       | 121        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 | BSH   |
| Trifloxystrobin    | 111        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 |       |
| DDVP (Dichlorvos)  | 124        | 0.1 | ppm   | 60-120           | 03/22/23 10:17 | 03/22/23 18:29 | BSH   |

### Solvent Analysis

Batch: 2312023 - 205

| Blank(2312023-BLK1) |        |       |       |                  |                |                |       |
|---------------------|--------|-------|-------|------------------|----------------|----------------|-------|
| Analyte             | Result | LOQ   | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| Acetone             | < LOQ  | 1000  | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Acetonitrile        | < LOQ  | 50.00 | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |



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This is for informational testing and is not compliance testing. Lab results apply to the sample as received.



### Quality Control Solvent Analysis (Continued)

Batch: 2312023 - 205 (Continued)

| Blank(2312023-BLK1) |        |       |       |                  |                |                |       |
|---------------------|--------|-------|-------|------------------|----------------|----------------|-------|
| Analyte             | Result | LOQ   | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| Benzene             | < LOQ  | 1.000 | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Butanes             | < LOQ  | 1000  | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| 2-Butanol           | < LOQ  | 1000  | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Cumene              | < LOQ  | 35.00 | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Cyclohexane         | < LOQ  | 50.00 | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Dichloromethane     | < LOQ  | 50.00 | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| 1,4-Dioxane         | < LOQ  | 50.00 | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| 2-Ethoxyethanol     | < LOQ  | 80.00 | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Ethyl acetate       | < LOQ  | 1000  | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Ethyl benzene       | < LOQ  | 35.00 | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Ethylene glycol     | < LOQ  | 310.0 | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Ethylene oxide      | < LOQ  | 25.00 | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Ethyl ether         | < LOQ  | 1000  | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Heptane             | < LOQ  | 1000  | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Hexanes             | < LOQ  | 50.00 | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Isopropyl acetate   | < LOQ  | 1000  | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Methanol            | < LOQ  | 1000  | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Pentanes            | < LOQ  | 1000  | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Propane             | < LOQ  | 1000  | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| 2-Propanol (IPA)    | < LOQ  | 1000  | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Tetrahydrofuran     | < LOQ  | 50.00 | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Toluene             | < LOQ  | 50.00 | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |
| Xylenes             | < LOQ  | 50.00 | ppm   |                  | 03/21/23 13:45 | 03/22/23 16:48 |       |

| LCS(2312023-BS1) |            |       |       |                  |                |                |       |
|------------------|------------|-------|-------|------------------|----------------|----------------|-------|
| Analyte          | % Recovery | LOQ   | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| Acetone          | 106        | 1000  | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Acetonitrile     | 107        | 50.00 | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Benzene          | 108        | 1.000 | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Butanes          | 111        | 1000  | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| 2-Butanol        | 106        | 1000  | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Cumene           | 110        | 35.00 | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Cyclohexane      | 105        | 50.00 | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Dichloromethane  | 103        | 50.00 | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| 1,4-Dioxane      | 109        | 50.00 | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| 2-Ethoxyethanol  | 121        | 80.00 | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 | BSH   |
| Ethyl acetate    | 107        | 1000  | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Ethyl benzene    | 116        | 35.00 | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Ethylene glycol  | 144        | 310.0 | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 | BSH   |



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### Quality Control Solvent Analysis (Continued)

Batch: 2312023 - 205 (Continued)

| LCS(2312023-BS1)  |            |       |       |                  |                |                |       |
|-------------------|------------|-------|-------|------------------|----------------|----------------|-------|
| Analyte           | % Recovery | LOQ   | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| Ethylene oxide    | 92.9       | 25.00 | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Ethyl ether       | 107        | 1000  | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Heptane           | 103        | 1000  | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Hexanes           | 119        | 50.00 | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Isopropyl acetate | 108        | 1000  | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Methanol          | 98.7       | 1000  | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Pentanes          | 119        | 1000  | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Propane           | 113        | 1000  | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| 2-Propanol (IPA)  | 101        | 1000  | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Tetrahydrofuran   | 106        | 50.00 | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |
| Toluene           | 109        | 50.00 | ppm   | 60-120           | 03/21/23 13:45 | 03/22/23 08:11 |       |

### Mold and Fungi

Batch: 2312036 - 301

| Blank(2312036-BLK1) |        |      |       |                  |                |                |       |
|---------------------|--------|------|-------|------------------|----------------|----------------|-------|
| Analyte             | Result | LOQ  | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| Molds and Fungi     | < LOQ  | 10.0 | cfu/g |                  | 03/22/23 11:41 | 03/24/23 09:58 |       |

Batch: 2312040 - 217

| Blank(2312040-BLK1) |        |      |       |                  |                |                |       |
|---------------------|--------|------|-------|------------------|----------------|----------------|-------|
| Analyte             | Result | LOQ  | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| Cadmium             | < LOQ  | 0.08 | ug/g  |                  | 03/22/23 12:24 | 03/22/23 17:53 |       |
| Lead                | < LOQ  | 0.08 | ug/g  |                  | 03/22/23 12:24 | 03/22/23 17:53 |       |
| Arsenic             | < LOQ  | 0.08 | ug/g  |                  | 03/22/23 12:24 | 03/22/23 17:53 |       |
| Mercury             | < LOQ  | 0.04 | ug/g  |                  | 03/22/23 12:24 | 03/22/23 17:53 |       |

| LCS(2312040-BS1) |            |      |       |                  |                |                |       |
|------------------|------------|------|-------|------------------|----------------|----------------|-------|
| Analyte          | % Recovery | LOQ  | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| Cadmium          | 97.7       | 0.08 | ug/g  | 80-115           | 03/22/23 12:24 | 03/22/23 17:54 |       |
| Lead             | 101        | 0.08 | ug/g  | 80-115           | 03/22/23 12:24 | 03/22/23 17:54 |       |
| Arsenic          | 96.5       | 0.08 | ug/g  | 80-115           | 03/22/23 12:24 | 03/22/23 17:54 |       |
| Mercury          | 91.0       | 0.04 | ug/g  | 80-115           | 03/22/23 12:24 | 03/22/23 17:54 |       |



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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. Results do not include 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 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 recovery accuracy in Matrix Spike.
- TPP
- 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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