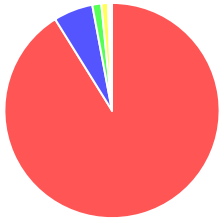




**Customer:** Hawaiian Heart/31 Labs  
**Product identity:** D8 GEL  
**Project Number:** CBD100322  
**Client/Metric ID:** .  
**Laboratory ID:** 22-012186-0010

### Summary

#### Potency:

| Analyte | Result (%) |  <ul style="list-style-type: none"> <li>Δ8-THC</li> <li>CBD</li> <li>CBG</li> <li>CBE</li> <li>Δ8-THCV</li> <li>CBDV</li> </ul> | (Reported in percent of total sample) |
|---------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Δ8-THC  | 78.7       |                                                                                                                                                                                                                  |                                       |
| CBD     | 5.11       |                                                                                                                                                                                                                  |                                       |
| CBG     | 1.16       |                                                                                                                                                                                                                  |                                       |
| CBE     | 0.862      |                                                                                                                                                                                                                  |                                       |
| Δ8-THCV | 0.275      |                                                                                                                                                                                                                  |                                       |
| CBDV    | 0.240      |                                                                                                                                                                                                                  |                                       |
|         |            | CBD-Total                                                                                                                                                                                                        | 5.11%                                 |
|         |            | THC-Total                                                                                                                                                                                                        | <LOQ                                  |

#### Residual Solvents:

| Analyte   | Result (µg/g) | Limits (µg/g) | Status |
|-----------|---------------|---------------|--------|
| n-Heptane | 1630          | 5000          | pass   |

#### Pesticides:

All analytes passing and less than LOQ.

#### Metals:

Less than LOQ for all analytes.



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Portland, OR 97230  
503-254-1794



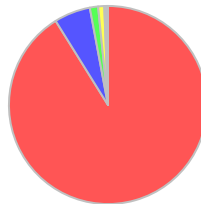
**Report Number:** 22-012186/D005.R000  
**Report Date:** 10/17/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/10/22 10:10

**Customer:** Hawaiian Heart/31 Labs  
3505 Cadillac Ave BLDG E  
Costa Mesa 92626  
United States of America (USA)

**Product identity:** D8 GEL  
**Project Number:** CBD100322  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 22-012186-0010  
**Evidence of Cooling:** No  
**Temp:** 21 °C  
**Relinquished by:** UPS

## Sample Results

| Potency            | Method: J AOAC 2015 V98-6 (mod) <sup>b</sup> |            |        | Units % | Batch: 2208681 | Analyze: 10/12/22 9:57:00 AM |
|--------------------|----------------------------------------------|------------|--------|---------|----------------|------------------------------|
| Analyte            | As Received                                  | Dry weight | LOQ    | Notes   |                |                              |
| CBC                | < LOQ                                        |            | 0.0713 |         |                |                              |
| CBC-A              | < LOQ                                        |            | 0.0713 |         |                |                              |
| CBC-Total          | < LOQ                                        |            | 0.134  |         |                |                              |
| CBD                | 5.11                                         |            | 0.0713 |         |                |                              |
| CBD-A              | < LOQ                                        |            | 0.0713 |         |                |                              |
| CBD-Total          | 5.11                                         |            | 0.134  |         |                |                              |
| CBDV               | 0.240                                        |            | 0.0713 |         |                |                              |
| CBDV-A             | < LOQ                                        |            | 0.0713 |         |                |                              |
| CBDV-Total         | 0.240                                        |            | 0.133  |         |                |                              |
| CBE                | 0.862                                        |            | 0.0713 |         |                |                              |
| CBG                | 1.16                                         |            | 0.0713 |         |                |                              |
| CBG-A              | < LOQ                                        |            | 0.0713 |         |                |                              |
| CBG-Total          | 1.16                                         |            | 0.133  |         |                |                              |
| CBL                | < LOQ                                        |            | 0.0713 |         |                |                              |
| CBL-A              | < LOQ                                        |            | 0.0713 |         |                |                              |
| CBL-Total          | < LOQ                                        |            | 0.134  |         |                |                              |
| CBN                | < LOQ                                        |            | 0.0713 |         |                |                              |
| CBT                | < LOQ                                        |            | 0.0713 |         |                |                              |
| Δ10-THC            | < LOQ                                        |            | 0.0713 |         |                |                              |
| Δ8-THC             | 78.7                                         |            | 0.713  |         |                |                              |
| Δ8-THCV            | 0.275                                        |            | 0.0713 |         |                |                              |
| Δ9-THC             | < LOQ                                        |            | 0.0713 |         |                |                              |
| exo-THC            | < LOQ                                        |            | 0.0713 |         |                |                              |
| THC-A              | < LOQ                                        |            | 0.0713 |         |                |                              |
| THC-Total          | < LOQ                                        |            | 0.134  |         |                |                              |
| THCV               | < LOQ                                        |            | 0.0713 |         |                |                              |
| THCV-A             | < LOQ                                        |            | 0.0713 |         |                |                              |
| THCV-Total         | < LOQ                                        |            | 0.133  |         |                |                              |
| Total Cannabinoids | 86.3                                         |            |        |         |                |                              |



Δ8-THC  
CBD  
CBG  
CBE  
Δ8-THCV  
CBDV



12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794



**Report Number:** 22-012186/D005.R000  
**Report Date:** 10/17/2022  
**ORELAP#:** OR100028  
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**Received:** 10/10/22 10:10

| Solvents                  |        |        |      |        |       | Method: Residual Solvents by GC/MS <sup>b</sup> |        |        |      |        |       | Units µg/g |  | Batch 2208661 |  | Analyze 10/12/22 11:45 AM |  |  |  |
|---------------------------|--------|--------|------|--------|-------|-------------------------------------------------|--------|--------|------|--------|-------|------------|--|---------------|--|---------------------------|--|--|--|
| 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 (Isopentane)                     | < LOQ  |        | 200  |        |       |            |  |               |  |                           |  |  |  |
| 2-Methylpentane           | < LOQ  |        | 30.0 |        |       | 2-Propanol (IPA)                                | < LOQ  | 5000   | 200  | pass   |       |            |  |               |  |                           |  |  |  |
| 2,2-Dimethylbutane        | < LOQ  |        | 30.0 |        |       | 2,2-Dimethylpropane (neo-pentane)               | < 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   | 20.0 | pass   |       |            |  |               |  |                           |  |  |  |
| Hexanes (sum)             | < LOQ  | 290    | 150  | pass   |       | Isopropyl acetate                               | < LOQ  | 5000   | 200  | pass   |       |            |  |               |  |                           |  |  |  |
| Isopropylbenzene (Cumene) | < LOQ  | 70.0   | 30.0 | pass   |       | m,p-Xylene                                      | < LOQ  |        | 200  |        |       |            |  |               |  |                           |  |  |  |
| Methanol                  | < LOQ  | 3000   | 200  | pass   |       | Methylene chloride                              | < LOQ  | 600    | 60.0 | pass   |       |            |  |               |  |                           |  |  |  |
| Methylpropane (Isobutane) | < LOQ  |        | 200  |        |       | n-Butane                                        | < LOQ  |        | 200  |        |       |            |  |               |  |                           |  |  |  |
| n-Heptane                 | 1630   | 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 benzene                 | < LOQ  | 2170   | 600  | pass   |       |            |  |               |  |                           |  |  |  |



12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794



**Report Number:** 22-012186/D005.R000  
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**Purchase Order:**  
**Received:** 10/10/22 10:10

| Pesticides                    |        |        |       |        | Method: AOAC 2007.01 & EN 15662 (mod) <sup>b</sup> | Units mg/kg                      | Batch 2208761 | Analyze 10/14/22 10:49 AM |       |        |       |
|-------------------------------|--------|--------|-------|--------|----------------------------------------------------|----------------------------------|---------------|---------------------------|-------|--------|-------|
| Analyte                       | Result | Limits | LOQ   | Status | Notes                                              | Analyte                          | Result        | Limits                    | LOQ   | Status | Notes |
| Abamectin <sup>¥</sup>        | < LOQ  | 0.50   | 0.250 | pass   |                                                    | Acephate <sup>¥</sup>            | < LOQ         | 0.40                      | 0.250 | pass   |       |
| Acequinocyl <sup>¥</sup>      | < LOQ  | 2.0    | 1.00  | pass   |                                                    | Acetamiprid <sup>¥</sup>         | < LOQ         | 0.20                      | 0.100 | pass   |       |
| Aldicarb <sup>¥</sup>         | < LOQ  | 0.40   | 0.200 | pass   |                                                    | Azoxystrobin <sup>¥</sup>        | < LOQ         | 0.20                      | 0.100 | pass   |       |
| Bifenazate <sup>¥</sup>       | < LOQ  | 0.20   | 0.100 | pass   |                                                    | Bifenthrin <sup>¥</sup>          | < LOQ         | 0.20                      | 0.100 | pass   |       |
| Boscalid <sup>¥</sup>         | < LOQ  | 0.40   | 0.200 | pass   |                                                    | Carbaryl <sup>¥</sup>            | < LOQ         | 0.20                      | 0.100 | pass   |       |
| Carbofuran <sup>¥</sup>       | < LOQ  | 0.20   | 0.100 | pass   |                                                    | Chlorantraniliprole <sup>¥</sup> | < LOQ         | 0.20                      | 0.100 | pass   |       |
| Chlorfenapyr <sup>¥</sup>     | < LOQ  | 1.0    | 0.500 | pass   |                                                    | Chlorpyrifos <sup>¥</sup>        | < LOQ         | 0.20                      | 0.100 | pass   |       |
| Clofentezine <sup>¥</sup>     | < LOQ  | 0.20   | 0.100 | pass   |                                                    | Cyfluthrin <sup>¥</sup>          | < LOQ         | 1.0                       | 0.500 | pass   |       |
| Cypermethrin <sup>¥</sup>     | < LOQ  | 1.0    | 0.500 | pass   |                                                    | Daminozide <sup>¥</sup>          | < LOQ         | 1.0                       | 0.500 | pass   |       |
| Diazinon <sup>¥</sup>         | < LOQ  | 0.20   | 0.100 | pass   |                                                    | Dichlorvos <sup>¥</sup>          | < LOQ         | 1.0                       | 0.500 | pass   |       |
| Dimethoate <sup>¥</sup>       | < LOQ  | 0.20   | 0.100 | pass   |                                                    | Ethoprophos <sup>¥</sup>         | < LOQ         | 0.20                      | 0.100 | pass   |       |
| Etofenprox <sup>¥</sup>       | < LOQ  | 0.40   | 0.200 | pass   |                                                    | Etiozazole <sup>¥</sup>          | < LOQ         | 0.20                      | 0.100 | pass   |       |
| Fenoxycarb <sup>¥</sup>       | < LOQ  | 0.20   | 0.100 | pass   |                                                    | Fenpyroximate <sup>¥</sup>       | < LOQ         | 0.40                      | 0.200 | pass   |       |
| Fipronil <sup>¥</sup>         | < LOQ  | 0.40   | 0.200 | pass   |                                                    | Flonicamid <sup>¥</sup>          | < LOQ         | 1.0                       | 0.400 | pass   |       |
| Fludioxonil <sup>¥</sup>      | < LOQ  | 0.40   | 0.200 | pass   |                                                    | Hexythiazox <sup>¥</sup>         | < LOQ         | 1.0                       | 0.400 | pass   |       |
| Imazalil <sup>¥</sup>         | < LOQ  | 0.20   | 0.100 | pass   |                                                    | Imidacloprid <sup>¥</sup>        | < LOQ         | 0.40                      | 0.200 | pass   |       |
| Kresoxim-methyl <sup>¥</sup>  | < LOQ  | 0.40   | 0.200 | pass   |                                                    | Malathion <sup>¥</sup>           | < LOQ         | 0.20                      | 0.100 | pass   |       |
| Metalaxyl <sup>¥</sup>        | < LOQ  | 0.20   | 0.100 | pass   |                                                    | Methiocarb <sup>¥</sup>          | < LOQ         | 0.20                      | 0.100 | pass   |       |
| Methomyl <sup>¥</sup>         | < LOQ  | 0.40   | 0.200 | pass   |                                                    | MGK-264 <sup>¥</sup>             | < LOQ         | 0.20                      | 0.100 | pass   |       |
| Myclobutanil <sup>¥</sup>     | < LOQ  | 0.20   | 0.100 | pass   |                                                    | Naled <sup>¥</sup>               | < LOQ         | 0.50                      | 0.250 | pass   |       |
| Oxamyl <sup>¥</sup>           | < LOQ  | 1.0    | 0.500 | pass   |                                                    | Paclobutrazole <sup>¥</sup>      | < LOQ         | 0.40                      | 0.200 | pass   |       |
| Parathion-Methyl <sup>¥</sup> | < LOQ  | 0.20   | 0.200 | pass   |                                                    | Permethrin <sup>¥</sup>          | < LOQ         | 0.20                      | 0.100 | pass   |       |
| Phosmet <sup>¥</sup>          | < LOQ  | 0.20   | 0.100 | pass   |                                                    | Piperonyl butoxide <sup>¥</sup>  | < LOQ         | 2.0                       | 1.00  | pass   |       |
| Prallethrin <sup>¥</sup>      | < LOQ  | 0.20   | 0.200 | pass   |                                                    | Propiconazole <sup>¥</sup>       | < LOQ         | 0.40                      | 0.200 | pass   |       |
| Propoxur <sup>¥</sup>         | < LOQ  | 0.20   | 0.100 | pass   |                                                    | Pyrethrin I (total) <sup>¥</sup> | < LOQ         | 1.0                       | 0.500 | pass   |       |
| Pyridaben <sup>¥</sup>        | < LOQ  | 0.20   | 0.100 | pass   |                                                    | Spinosad <sup>¥</sup>            | < LOQ         | 0.20                      | 0.100 | pass   |       |
| Spiromesifen <sup>¥</sup>     | < LOQ  | 0.20   | 0.100 | pass   |                                                    | Spirotetramat <sup>¥</sup>       | < LOQ         | 0.20                      | 0.100 | pass   |       |
| Spiroxamine <sup>¥</sup>      | < LOQ  | 0.40   | 0.200 | pass   |                                                    | Tebuconazole <sup>¥</sup>        | < LOQ         | 0.40                      | 0.200 | pass   |       |
| Thiacloprid <sup>¥</sup>      | < LOQ  | 0.20   | 0.100 | pass   |                                                    | Thiamethoxam <sup>¥</sup>        | < LOQ         | 0.20                      | 0.100 | pass   |       |
| Trifloxystrobin <sup>¥</sup>  | < LOQ  | 0.20   | 0.100 | pass   |                                                    |                                  |               |                           |       |        |       |

| Metals  |        |        |       |        |         |                 |                                  |        |       |  |
|---------|--------|--------|-------|--------|---------|-----------------|----------------------------------|--------|-------|--|
| Analyte | Result | Limits | Units | LOQ    | Batch   | Analyzed Method |                                  | Status | Notes |  |
| Arsenic | < LOQ  | 0.200  | mg/kg | 0.0794 | 2208721 | 10/12/22        | AOAC 2013.06 (mod.) <sup>b</sup> | pass   |       |  |
| Cadmium | < LOQ  | 0.200  | mg/kg | 0.0794 | 2208721 | 10/12/22        | AOAC 2013.06 (mod.) <sup>b</sup> | pass   |       |  |
| Lead    | < LOQ  | 0.500  | mg/kg | 0.0794 | 2208721 | 10/12/22        | AOAC 2013.06 (mod.) <sup>b</sup> | pass   |       |  |
| Mercury | < LOQ  | 0.100  | mg/kg | 0.0397 | 2208721 | 10/12/22        | AOAC 2013.06 (mod.) <sup>b</sup> | pass   |       |  |



12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794



**Report Number:** 22-012186/D005.R000  
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**Purchase Order:**  
**Received:** 10/10/22 10:10

#### Mycotoxins

| Analyte                       | Result | Limits | Units | LOQ  | Batch   | Analyzed Method                                     | Status | Notes |
|-------------------------------|--------|--------|-------|------|---------|-----------------------------------------------------|--------|-------|
| Aflatoxin B2 <sup>¥</sup>     | < LOQ  |        | µg/kg | 5.00 | 2208731 | 10/13/22 AOAC 2007.01 & EN 15662 (mod) <sup>Þ</sup> |        |       |
| Aflatoxin B1 <sup>¥</sup>     | < LOQ  |        | µg/kg | 5.00 | 2208731 | 10/13/22 AOAC 2007.01 & EN 15662 (mod) <sup>Þ</sup> |        |       |
| Aflatoxin G1 <sup>¥</sup>     | < LOQ  |        | µg/kg | 5.00 | 2208731 | 10/13/22 AOAC 2007.01 & EN 15662 (mod) <sup>Þ</sup> |        |       |
| Aflatoxin G2 <sup>¥</sup>     | < LOQ  |        | µg/kg | 5.00 | 2208731 | 10/13/22 AOAC 2007.01 & EN 15662 (mod) <sup>Þ</sup> |        |       |
| Ochratoxin A <sup>¥</sup>     | < LOQ  | 20.0   | µg/kg | 5.00 | 2208731 | 10/13/22 AOAC 2007.01 & EN 15662 (mod) <sup>Þ</sup> | pass   |       |
| Total Aflatoxins <sup>¥</sup> | 0.000  | 20.0   | µg/kg | 20.0 |         | 10/14/22 AOAC 2007.01 & EN 15662 (mod) <sup>Þ</sup> | pass   |       |



12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794



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**Received:** 10/10/22 10:10

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, CCR title 16-division 42. BCC-section 5723

**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.

Ⓟ = ISO/IEC 17025:2017 accredited method.

\* = TNI accredited analyte.

**Units of Measure**

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

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

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794



Report Number: 22-012186/D005.R000  
Report Date: 10/17/2022  
ORELAP#: OR100028  
Purchase Order:  
Received: 10/10/22 10:10



### Hemp & Cannabis: Usable / Extract / Finished Product Chain of Custody Record

ORELAP ID: OR100028 ANAB ISO 17025 ID: AT-1508

Document Control ID: 2832 Revision: 5  
Effective: 01/04/2022

|                                                                                      |                                     |                    |                           |                                 |                          |                     |                   |                                                                                                                                       |  |  |  |  |                                                                                                                                                           |                       |                           |
|--------------------------------------------------------------------------------------|-------------------------------------|--------------------|---------------------------|---------------------------------|--------------------------|---------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------|
| <b>Company:</b> Hawaiian Heart/31 Labs                                               |                                     |                    | <b>Analysis Requested</b> |                                 |                          |                     |                   |                                                                                                                                       |  |  |  |  | <b>PO Number:</b>                                                                                                                                         |                       |                           |
| <b>Contact:</b> Paisley Byrnes                                                       |                                     |                    |                           |                                 |                          |                     |                   |                                                                                                                                       |  |  |  |  | <b>Project ID:</b> CBD/D8 Testing                                                                                                                         |                       |                           |
| <b>Address:</b> 3505 Cadillac Ave BLDG E                                             |                                     |                    |                           |                                 |                          |                     |                   |                                                                                                                                       |  |  |  |  | <b>Batch ID:</b> CBD100322                                                                                                                                |                       |                           |
| <b>City:</b> Costa Mesa <b>State:</b> CA <b>Zip Code:</b> 92626                      |                                     |                    |                           |                                 |                          |                     |                   |                                                                                                                                       |  |  |  |  | <b>Sampled by:</b> Paisley Byrnes                                                                                                                         |                       |                           |
| <input checked="" type="checkbox"/> <b>Email Results:</b> team@purehawaiianheart.com |                                     |                    |                           |                                 |                          |                     |                   |                                                                                                                                       |  |  |  |  | <b>Custom Reporting:</b>                                                                                                                                  |                       |                           |
| <input type="checkbox"/> <b>Ph:</b> (949) - 4637643                                  |                                     |                    |                           |                                 |                          |                     |                   |                                                                                                                                       |  |  |  |  | <b>Source Material:</b> <input checked="" type="checkbox"/> - Ind. Hemp product   <input checked="" type="checkbox"/> - Rec. Cannabis                     |                       |                           |
| <b>Billing Contact (if different)</b>                                                |                                     |                    |                           |                                 |                          |                     |                   |                                                                                                                                       |  |  |  |  | <b>Reporting Type:</b> <input type="checkbox"/> - Compliance   <input checked="" type="checkbox"/> - R&D                                                  |                       |                           |
| <b>Name:</b> DNG LLC <b>Email:</b> team@purehawaiianheart.com                        |                                     |                    |                           |                                 |                          |                     |                   |                                                                                                                                       |  |  |  |  | <b>Report to:</b> <input type="checkbox"/> - METRC   <input type="checkbox"/> - ODA   <input type="checkbox"/> - USDA   <input type="checkbox"/> - Other: |                       |                           |
| <b>Address:</b> 24040 Camino Del Avion                                               |                                     |                    |                           |                                 |                          |                     |                   |                                                                                                                                       |  |  |  |  | <b>Turnaround time (TAT - Business Days):</b>                                                                                                             |                       |                           |
| <b>City:</b> Dana Point <b>State:</b> CA <b>Zip:</b> 92629                           |                                     |                    |                           |                                 |                          |                     |                   |                                                                                                                                       |  |  |  |  | <input checked="" type="checkbox"/> - 5BD   <input type="checkbox"/> - 3BD*   <input type="checkbox"/> - 2BD*                                             |                       |                           |
| <b>Ph:</b> (949) - 4637643                                                           |                                     |                    |                           |                                 |                          |                     |                   |                                                                                                                                       |  |  |  |  | *Check for availability                                                                                                                                   |                       |                           |
| <b>Lab ID</b>                                                                        | <b>Client Sample Identification</b> | <b>Sample date</b> | <b>Potency</b>            | <b>Pesticides</b>               | <b>Residual Solvents</b> | <b>Heavy Metals</b> | <b>Mycotoxins</b> |                                                                                                                                       |  |  |  |  | <b>Material Type</b>                                                                                                                                      | <b>Weight (Units)</b> | <b>Comments/Metric ID</b> |
|                                                                                      | CBD BDAY                            | 09/29/22           | ✓                         | ✓                               | ✓                        | ✓                   | ✓                 |                                                                                                                                       |  |  |  |  |                                                                                                                                                           |                       |                           |
|                                                                                      | CBD GELATO                          | 09/29/22           | ✓                         | ✓                               | ✓                        | ✓                   | ✓                 |                                                                                                                                       |  |  |  |  |                                                                                                                                                           |                       |                           |
|                                                                                      | CBD GRNC                            | 09/29/22           | ✓                         | ✓                               | ✓                        | ✓                   | ✓                 |                                                                                                                                       |  |  |  |  |                                                                                                                                                           |                       |                           |
|                                                                                      | CBD MNGHZ                           | 09/29/22           | ✓                         | ✓                               | ✓                        | ✓                   | ✓                 |                                                                                                                                       |  |  |  |  |                                                                                                                                                           |                       |                           |
|                                                                                      | CBD NLTS                            | 09/29/22           | ✓                         | ✓                               | ✓                        | ✓                   | ✓                 |                                                                                                                                       |  |  |  |  |                                                                                                                                                           |                       |                           |
|                                                                                      | CBD NYC                             | 09/29/22           | ✓                         | ✓                               | ✓                        | ✓                   | ✓                 |                                                                                                                                       |  |  |  |  |                                                                                                                                                           |                       |                           |
|                                                                                      | CBD REM                             | 09/29/22           | ✓                         | ✓                               | ✓                        | ✓                   | ✓                 |                                                                                                                                       |  |  |  |  |                                                                                                                                                           |                       |                           |
|                                                                                      | D8 BDAY                             | 09/29/22           | ✓                         | ✓                               | ✓                        | ✓                   | ✓                 |                                                                                                                                       |  |  |  |  |                                                                                                                                                           |                       |                           |
|                                                                                      | D8 BLUD                             | 09/29/20           | ✓                         | ✓                               | ✓                        | ✓                   | ✓                 |                                                                                                                                       |  |  |  |  |                                                                                                                                                           |                       |                           |
|                                                                                      | D8 GEL                              | 09/29/22           | ✓                         | ✓                               | ✓                        | ✓                   | ✓                 |                                                                                                                                       |  |  |  |  |                                                                                                                                                           |                       |                           |
| <b>Signature - Relinquished By:</b>                                                  |                                     | <b>Date</b>        | <b>Time</b>               | <b>Signature - Received By:</b> |                          | <b>Date</b>         | <b>Time</b>       | <b>Lab Use Only:</b>                                                                                                                  |  |  |  |  |                                                                                                                                                           |                       |                           |
|                                                                                      |                                     | 10/03/20           | 9:30am                    | RBS                             |                          | 10/10/22            | 10:10             | <input checked="" type="checkbox"/> Shipped Via: UPS or <input type="checkbox"/> Client drop off                                      |  |  |  |  |                                                                                                                                                           |                       |                           |
|                                                                                      |                                     |                    |                           |                                 |                          |                     |                   | Evidence of cooling: <input type="checkbox"/> Yes   <input checked="" type="checkbox"/> No - Temp (°C): 21.0                          |  |  |  |  |                                                                                                                                                           |                       |                           |
|                                                                                      |                                     |                    |                           |                                 |                          |                     |                   | Sample in good condition: <input type="checkbox"/> Yes   <input type="checkbox"/> No                                                  |  |  |  |  |                                                                                                                                                           |                       |                           |
|                                                                                      |                                     |                    |                           |                                 |                          |                     |                   | Payment: <input type="checkbox"/> Cash   <input type="checkbox"/> Check   <input type="checkbox"/> CC   <input type="checkbox"/> Net: |  |  |  |  |                                                                                                                                                           |                       |                           |
|                                                                                      |                                     |                    |                           |                                 |                          |                     |                   | Prelog storage:                                                                                                                       |  |  |  |  |                                                                                                                                                           |                       |                           |

\* - Material Type Codes: Plant Material (P) ; Isolate (I) ; Concentrate/Extract (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B) ; Vapor Product (V)

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms  
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Report Number: 22-012186/D005.R000  
Report Date: 10/17/2022  
ORELAP#: OR100028  
Purchase Order:  
Received: 10/10/22 10:10



Hemp & Cannabis: Usable / Extract / Finished Product  
Chain of Custody Record

ORELAP ID: OR100028 ANAB ISO 17025 ID: AT-1508

Document Control ID: 2832 Revision: 5  
Effective: 01/04/2022

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                    |                           |                   |                                 |                     |                   |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------|---------------------------|-------------------|---------------------------------|---------------------|-------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Company:</b> Hawaiian Heart/31 Labs<br><b>Contact:</b> Paisley Byrnes<br><b>Address:</b> 3505 Cadillac Ave BLDG E<br><b>City:</b> Costa Mesa <b>State:</b> CA <b>Zip Code:</b> 92626<br><input checked="" type="checkbox"/> <b>Email Results:</b> team@purehawaiianheart.com<br><input type="checkbox"/> <b>Ph:</b> (949) - 4637643<br><i>Billing Contact (if different)</i><br><b>Name:</b> DNG LLC <b>Email:</b> team@purehawaiianheart.com<br><b>Address:</b> 24040 Camino Del Avion<br><b>City:</b> Dana Point <b>State:</b> CA <b>Zip:</b> 92629<br><b>Ph:</b> (949) - 4637643 |                                     |                    | <b>Analysis Requested</b> |                   |                                 |                     |                   |                        | <b>PO Number:</b><br><b>Project ID:</b> CBD/D8 Testing<br><b>Batch ID:</b> CBD100322<br><b>Sampled by:</b> Paisley Byrnes<br><b>Custom Reporting:</b><br><b>Source Material:</b> <input checked="" type="checkbox"/> - Ind. Hemp product   <input checked="" type="checkbox"/> - Rec. Cannabis<br><b>Reporting Type:</b> <input type="checkbox"/> - Compliance   <input checked="" type="checkbox"/> - R&D<br><b>Report to:</b> <input type="checkbox"/> - METRC   <input type="checkbox"/> - ODA   <input type="checkbox"/> - USDA  <br><input type="checkbox"/> - Other:<br><b>Turnaround time (TAT - Business Days):</b><br><input checked="" type="checkbox"/> - 5BD   <input type="checkbox"/> - 3BD*   <input type="checkbox"/> - 2BD*<br><i>*Check for availability</i> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Lab ID</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Client Sample Identification</b> | <b>Sample date</b> | <b>Potency</b>            | <b>Pesticides</b> | <b>Residual Solvents</b>        | <b>Heavy Metals</b> | <b>Mycotoxins</b> | <b>Material Type †</b> | <b>Weight (Units)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Comments/Metric ID</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| D8 MNGHZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     | 09/29/22           | ✓                         | ✓                 | ✓                               | ✓                   | ✓                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| D8 MWOW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     | 09/29/22           | ✓                         | ✓                 | ✓                               | ✓                   | ✓                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| D8 NLTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     | 09/29/22           | ✓                         | ✓                 | ✓                               | ✓                   | ✓                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| D8 NYCD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     | 09/29/22           | ✓                         | ✓                 | ✓                               | ✓                   | ✓                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| D8 REM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                     | 09/29/22           | ✓                         | ✓                 | ✓                               | ✓                   | ✓                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| D8 ZTZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                     | 09/29/22           | ✓                         | ✓                 | ✓                               | ✓                   | ✓                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Signature - Relinquished By:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                     |                    | <b>Date</b>               | <b>Time</b>       | <b>Signature - Received By:</b> |                     |                   | <b>Date</b>            | <b>Time</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Lab Use Only:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                    | 10/03/20                  | 9:30am            |                                 |                     |                   | 10/10/22               | 10:11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Shipped Via:</b> UPS or <input type="checkbox"/> Client drop off<br><b>Evidence of cooling:</b> <input type="checkbox"/> Yes   <input checked="" type="checkbox"/> No - Temp (°C): 21.0<br><b>Sample in good condition:</b> <input type="checkbox"/> Yes   <input type="checkbox"/> No<br><b>Payment:</b> <input type="checkbox"/> Cash   <input type="checkbox"/> Check   <input type="checkbox"/> CC   <input type="checkbox"/> Net:<br><b>Prelog storage:</b> |  |

† - Material Type Codes: Plant Material (P) ; Isolate (I) ; Concentrate/Extract (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B) ; Vapor Product (V)

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Report Number: 22-012186/D005.R000  
Report Date: 10/17/2022  
ORELAP#: OR100028  
Purchase Order:  
Received: 10/10/22 10:10

Revision: 2 Document ID: 7087  
Legacy ID: CFL-E33Effective:

#### Laboratory Quality Control Results

| Residual Solvents     |        |       |       | Batch ID: 2208661         |       |       |       |          |       |
|-----------------------|--------|-------|-------|---------------------------|-------|-------|-------|----------|-------|
| Method Blank          |        |       |       | Laboratory Control Sample |       |       |       |          |       |
| Analyte               | Result | LOQ   | Notes | Result                    | Spike | Units | % Rec | Limits   | Notes |
| Propane               | ND     | < 200 |       | 493                       | 572   | µg/g  | 86.2  | 60 - 120 |       |
| Isobutane             | ND     | < 200 |       | 582                       | 731   | µg/g  | 79.6  | 60 - 120 |       |
| Butane                | ND     | < 200 |       | 575                       | 731   | µg/g  | 78.7  | 60 - 120 |       |
| 2,2-Dimethylpropane   | ND     | < 200 |       | 877                       | 936   | µg/g  | 93.7  | 60 - 120 |       |
| Methanol              | ND     | < 200 |       | 1710                      | 1650  | µg/g  | 103.6 | 60 - 120 |       |
| Ethylene Oxide        | ND     | < 30  |       | 54.3                      | 56.2  | µg/g  | 96.6  | 60 - 120 |       |
| 2-Methylbutane        | ND     | < 200 |       | 1580                      | 1650  | µg/g  | 95.8  | 60 - 120 |       |
| Pentane               | ND     | < 200 |       | 1600                      | 1650  | µg/g  | 97.0  | 60 - 120 |       |
| Ethanol               | ND     | < 200 |       | 1610                      | 1660  | µg/g  | 97.0  | 70 - 130 |       |
| Ethyl Ether           | ND     | < 200 |       | 1530                      | 1630  | µg/g  | 93.9  | 60 - 120 |       |
| 2,2-Dimethylbutane    | ND     | < 30  |       | 173                       | 189   | µg/g  | 91.5  | 60 - 120 |       |
| Acetone               | ND     | < 200 |       | 1640                      | 1650  | µg/g  | 99.4  | 60 - 120 |       |
| 2-Propanol            | ND     | < 200 |       | 1610                      | 1650  | µg/g  | 97.6  | 60 - 120 |       |
| Ethyl Formate         | ND     | < 500 |       | 1420                      | 1610  | µg/g  | 88.2  | 70 - 130 |       |
| Acetonitrile          | ND     | < 100 |       | 490                       | 504   | µg/g  | 97.2  | 60 - 120 |       |
| Methyl Acetate        | ND     | < 500 |       | 1620                      | 1630  | µg/g  | 99.4  | 70 - 130 |       |
| 2,3-Dimethylbutane    | ND     | < 30  |       | 168                       | 174   | µg/g  | 96.6  | 60 - 120 |       |
| Dichloromethane       | ND     | < 60  |       | 467                       | 521   | µg/g  | 89.6  | 60 - 120 |       |
| 2-Methylpentane       | ND     | < 30  |       | 165                       | 187   | µg/g  | 88.2  | 60 - 120 |       |
| MTBE                  | ND     | < 500 |       | 1560                      | 1600  | µg/g  | 97.5  | 70 - 130 |       |
| 3-Methylpentane       | ND     | < 30  |       | 176                       | 188   | µg/g  | 93.6  | 60 - 120 |       |
| Hexane                | ND     | < 30  |       | 176                       | 182   | µg/g  | 96.7  | 60 - 120 |       |
| 1-Propanol            | ND     | < 500 |       | 1560                      | 1610  | µg/g  | 96.9  | 70 - 130 |       |
| Methylethylketone     | ND     | < 500 |       | 1520                      | 1600  | µg/g  | 95.0  | 70 - 130 |       |
| Ethyl acetate         | ND     | < 200 |       | 1580                      | 1630  | µg/g  | 96.9  | 60 - 120 |       |
| 2-Butanol             | ND     | < 200 |       | 1530                      | 1630  | µg/g  | 93.9  | 60 - 120 |       |
| Tetrahydrofuran       | ND     | < 100 |       | 455                       | 506   | µg/g  | 89.9  | 60 - 120 |       |
| Cyclohexane           | ND     | < 200 |       | 1480                      | 1640  | µg/g  | 90.2  | 60 - 120 |       |
| 2-methyl-1-propanol   | ND     | < 500 |       | 1530                      | 1620  | µg/g  | 94.4  | 70 - 130 |       |
| Benzene               | ND     | < 1   |       | 4.3                       | 4.93  | µg/g  | 87.2  | 60 - 120 |       |
| Isopropyl Acetate     | ND     | < 200 |       | 1590                      | 1640  | µg/g  | 97.0  | 60 - 120 |       |
| Heptane               | ND     | < 200 |       | 1580                      | 1630  | µg/g  | 96.9  | 60 - 120 |       |
| 1-Butanol             | ND     | < 500 |       | 1600                      | 1600  | µg/g  | 100.0 | 70 - 130 |       |
| Propyl Acetate        | ND     | < 500 |       | 1610                      | 1620  | µg/g  | 99.4  | 70 - 130 |       |
| 1,4-Dioxane           | ND     | < 100 |       | 426                       | 493   | µg/g  | 86.4  | 60 - 120 |       |
| 2-Ethoxyethanol       | ND     | < 30  |       | 173                       | 171   | µg/g  | 101.2 | 60 - 120 |       |
| Methylisobutylketone  | ND     | < 500 |       | 1600                      | 1620  | µg/g  | 98.8  | 70 - 130 |       |
| 3-Methyl-1-butanol    | ND     | < 500 |       | 1610                      | 1610  | µg/g  | 100.0 | 70 - 130 |       |
| Ethylene Glycol       | ND     | < 200 |       | 443                       | 494   | µg/g  | 89.7  | 60 - 120 |       |
| Toluene               | ND     | < 100 |       | 435                       | 506   | µg/g  | 86.0  | 60 - 120 |       |
| Isobutyl Acetate      | ND     | < 500 |       | 1640                      | 1620  | µg/g  | 101.2 | 70 - 130 |       |
| 1-Pentanol            | ND     | < 500 |       | 1660                      | 1610  | µg/g  | 103.1 | 70 - 130 |       |
| Butyl Acetate         | ND     | < 500 |       | 1670                      | 1610  | µg/g  | 103.7 | 70 - 130 |       |
| Ethylbenzene          | ND     | < 200 |       | 867                       | 996   | µg/g  | 87.0  | 60 - 120 |       |
| m,p-Xylene            | ND     | < 200 |       | 885                       | 1010  | µg/g  | 87.6  | 60 - 120 |       |
| o-Xylene              | ND     | < 200 |       | 854                       | 979   | µg/g  | 87.2  | 60 - 120 |       |
| Cumene                | ND     | < 30  |       | 160                       | 188   | µg/g  | 85.1  | 60 - 120 |       |
| Anisole               | ND     | < 500 |       | 1530                      | 1610  | µg/g  | 95.0  | 70 - 130 |       |
| DMSO                  | ND     | < 500 |       | 1520                      | 1600  | µg/g  | 95.0  | 70 - 130 |       |
| 1,2-dimethoxyethane   | ND     | < 50  |       | 189                       | 190   | µg/g  | 99.5  | 70 - 130 |       |
| Triethylamine         | ND     | < 500 |       | 1550                      | 1610  | µg/g  | 96.3  | 70 - 130 |       |
| N,N-dimethylformamide | ND     | < 150 |       | 518                       | 496   | µg/g  | 104.4 | 70 - 130 |       |
| N,N-dimethylacetamide | ND     | < 150 |       | 482                       | 483   | µg/g  | 99.8  | 70 - 130 |       |
| Pyridine              | ND     | < 50  |       | 155                       | 167   | µg/g  | 92.8  | 70 - 130 |       |
| 1,2-Dichloroethane    | ND     | < 1   |       | 1.04                      | 1     | µg/g  | 104.0 | 70 - 130 |       |
| Chloroform            | ND     | < 1   |       | 1.01                      | 1     | µg/g  | 101.0 | 70 - 130 |       |
| Trichloroethylene     | ND     | < 1   |       | 1.01                      | 1     | µg/g  | 101.0 | 70 - 130 |       |
| 1,1-Dichloroethane    | ND     | < 1   |       | 0.96                      | 1     | µg/g  | 96.0  | 70 - 130 |       |



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**Report Number:** 22-012186/D005.R000  
**Report Date:** 10/17/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/10/22 10:10

Revision: 2 Document ID: 7087  
Legacy ID: CFL-E33Effective:

| QC - Sample Duplicate  |        |             |           | Sample ID: 22-012140-0001 |        |             |       |
|------------------------|--------|-------------|-----------|---------------------------|--------|-------------|-------|
| Analyte                | Result | Org. Result | LOQ Units | RPD                       | Limits | Accept/Fail | Notes |
| Propane                | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Isobutane              | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Butane                 | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 2,2-Dimethylpropane    | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Methanol               | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Ethylene Oxide         | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| 2-Methylbutane         | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Pentane                | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Ethanol                | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Ethyl Ether            | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 2,2-Dimethylbutane     | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| Acetone                | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 2-Propanol             | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Ethyl Formate          | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Acetonitrile           | ND     | ND          | 100 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Methyl Acetate         | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 2,3-Dimethylbutane     | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| Dichloromethane        | ND     | ND          | 60 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| 2-Methylpentane        | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| MTBE                   | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 3-Methylpentane        | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| Hexane                 | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| 1-Propanol             | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Methyl ethyl ketone    | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Ethyl acetate          | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 2-Butanol              | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Tetrahydrofuran        | ND     | ND          | 100 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Cyclohexane            | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 2-methyl-1-propanol    | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Benzene                | ND     | ND          | 1 µg/g    | 0.0                       | < 20   | Acceptable  |       |
| Isopropyl Acetate      | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Heptane                | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 1-Butanol              | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Propyl Acetate         | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 1,4-Dioxane            | ND     | ND          | 100 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 2-Ethoxyethanol        | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| Methyl isobutyl ketone | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 3-Methyl-1-butanol     | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Ethylene Glycol        | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Toluene                | ND     | ND          | 100 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Isobutyl Acetate       | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 1-Pentanol             | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Butyl Acetate          | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Ethylbenzene           | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| m,p-Xylene             | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| o-Xylene               | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Cumene                 | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| Anisole                | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| DMSO                   | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 1,2-dimethoxyethane    | ND     | ND          | 50 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| Triethylamine          | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| N,N-dimethylformamide  | ND     | ND          | 150 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| N,N-dimethylacetamide  | ND     | ND          | 150 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Pyridine               | ND     | ND          | 50 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| 1,2-Dichloroethane     | ND     | ND          | 1 µg/g    | 0.0                       | < 20   | Acceptable  |       |
| Chloroform             | ND     | ND          | 1 µg/g    | 0.0                       | < 20   | Acceptable  |       |
| Trichloroethylene      | ND     | ND          | 1 µg/g    | 0.0                       | < 20   | Acceptable  |       |
| 1,1-Dichloroethane     | ND     | ND          | 1 µg/g    | 0.0                       | < 20   | Acceptable  |       |

#### Abbreviations

ND - None Detected at or above MRL  
RPD - Relative Percent Difference  
LOQ - Limit of Quantitation

#### Units of Measure:

µg/g - Microgram per gram or ppm



12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794



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Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2208681

| Laboratory Control Sample |     |        |       |       |       |            |            |       |  |  |
|---------------------------|-----|--------|-------|-------|-------|------------|------------|-------|--|--|
| Analyte                   | LCS | Result | Spike | Units | % Rec | Limits     | Evaluation | Notes |  |  |
| CBDVA                     | 2   | 0.114  | 0.103 | %     | 110   | 80.0 - 120 | Acceptable |       |  |  |
| CBDV                      | 2   | 0.120  | 0.110 | %     | 110   | 80.0 - 120 | Acceptable |       |  |  |
| CBE                       | 2   | 0.115  | 0.105 | %     | 110   | 80.0 - 120 | Acceptable |       |  |  |
| CBD                       | 1   | 0.0972 | 0.100 | %     | 96.8  | 90.0 - 110 | Acceptable |       |  |  |
| CBGA                      | 1   | 0.0983 | 0.101 | %     | 97.7  | 80.0 - 120 | Acceptable |       |  |  |
| CBG                       | 1   | 0.102  | 0.103 | %     | 99.0  | 80.0 - 120 | Acceptable |       |  |  |
| CBD                       | 1   | 0.102  | 0.103 | %     | 98.9  | 90.0 - 110 | Acceptable |       |  |  |
| THCV                      | 2   | 0.123  | 0.113 | %     | 109   | 80.0 - 120 | Acceptable |       |  |  |
| d8THCV                    | 2   | 0.121  | 0.110 | %     | 109   | 80.0 - 120 | Acceptable |       |  |  |
| THCVA                     | 2   | 0.111  | 0.101 | %     | 110   | 80.0 - 120 | Acceptable |       |  |  |
| CBN                       | 1   | 0.101  | 0.101 | %     | 99.6  | 90.0 - 110 | Acceptable |       |  |  |
| exo-THC                   | 2   | 0.111  | 0.103 | %     | 109   | 80.0 - 120 | Acceptable |       |  |  |
| d9THC                     | 1   | 0.104  | 0.104 | %     | 100   | 90.0 - 110 | Acceptable |       |  |  |
| d8THC                     | 1   | 0.106  | 0.100 | %     | 106   | 90.0 - 110 | Acceptable |       |  |  |
| CBL                       | 2   | 0.108  | 0.099 | %     | 110   | 80.0 - 120 | Acceptable |       |  |  |
| d10THC                    | 1   | 0.0939 | 0.096 | %     | 98.1  | 80.0 - 120 | Acceptable |       |  |  |
| CB                        | 2   | 0.120  | 0.108 | %     | 111   | 80.0 - 120 | Acceptable |       |  |  |
| THCA                      | 1   | 0.0965 | 0.099 | %     | 97.0  | 90.0 - 110 | Acceptable |       |  |  |
| CBGA                      | 2   | 0.116  | 0.105 | %     | 110   | 80.0 - 120 | Acceptable |       |  |  |
| CBLA                      | 2   | 0.0613 | 0.056 | %     | 109   | 80.0 - 120 | Acceptable |       |  |  |
| CBT                       | 2   | 0.122  | 0.112 | %     | 109   | 80.0 - 120 | Acceptable |       |  |  |

Method Blank

| Analyte | Result | LOQ    | Units | Limits   | Evaluation | Notes |
|---------|--------|--------|-------|----------|------------|-------|
| CBDVA   | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| CBDV    | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| CBE     | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| CBD     | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| CBGA    | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| CBG     | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| CBD     | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| THCV    | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| d8THCV  | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| THCVA   | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| CBN     | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| exo-THC | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| d9THC   | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| d8THC   | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| CBL     | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| d10THC  | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| CB      | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| THCA    | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| CBGA    | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| CBLA    | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |
| CBT     | <LOQ   | 0.0077 | %     | < 0.0077 | Acceptable |       |

Abbreviations

ND - None Detected at or above MRL  
RPD - Relative Percent Difference  
LOQ - Limit of Quantitation

Units of Measure:

% - Percent



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Laboratory Quality Control Results

| J AOAC 2015 V98-6         |        |             |        |       |       |        |            |
|---------------------------|--------|-------------|--------|-------|-------|--------|------------|
| Batch ID: 2208681         |        |             |        |       |       |        |            |
| Sample Duplicate          |        |             |        |       |       |        |            |
| Sample ID: 22-012177-0001 |        |             |        |       |       |        |            |
| Analyte                   | Result | Org. Result | LOQ    | Units | RPD   | Limits | Evaluation |
| CBDVA                     | <LOQ   | <LOQ        | 0.0077 | %     | NA    | < 20   | Acceptable |
| CBDV                      | 0.283  | 0.289       | 0.0077 | %     | 1.98  | < 20   | Acceptable |
| CBE                       | <LOQ   | <LOQ        | 0.0077 | %     | NA    | < 20   | Acceptable |
| CBDA                      | <LOQ   | <LOQ        | 0.0077 | %     | NA    | < 20   | Acceptable |
| CBGA                      | <LOQ   | <LOQ        | 0.0077 | %     | NA    | < 20   | Acceptable |
| CBG                       | 1.23   | 1.23        | 0.0077 | %     | 0.136 | < 20   | Acceptable |
| CBD                       | 58.2   | 57.6        | 0.0077 | %     | 1.15  | < 20   | Acceptable |
| THCV                      | <LOQ   | <LOQ        | 0.0077 | %     | NA    | < 20   | Acceptable |
| d8THCV                    | <LOQ   | <LOQ        | 0.0077 | %     | NA    | < 20   | Acceptable |
| THCVA                     | <LOQ   | <LOQ        | 0.0077 | %     | NA    | < 20   | Acceptable |
| CBN                       | 0.356  | 0.355       | 0.0077 | %     | 0.517 | < 20   | Acceptable |
| exo-THC                   | <LOQ   | <LOQ        | 0.0077 | %     | NA    | < 20   | Acceptable |
| d9THC                     | 1.15   | 1.15        | 0.0077 | %     | 0.135 | < 20   | Acceptable |
| d8THC                     | <LOQ   | <LOQ        | 0.0077 | %     | NA    | < 20   | Acceptable |
| CBL                       | <LOQ   | <LOQ        | 0.0077 | %     | NA    | < 20   | Acceptable |
| d10THC                    | <LOQ   | <LOQ        | 0.0077 | %     | NA    | < 20   | Acceptable |
| CBC                       | 2.32   | 2.19        | 0.0077 | %     | 5.62  | < 20   | Acceptable |
| THCA                      | <LOQ   | <LOQ        | 0.0077 | %     | NA    | < 20   | Acceptable |
| CBCA                      | <LOQ   | <LOQ        | 0.0077 | %     | NA    | < 20   | Acceptable |
| CBLA                      | <LOQ   | <LOQ        | 0.0077 | %     | NA    | < 20   | Acceptable |
| CBT                       | 0.631  | 0.626       | 0.0077 | %     | 0.829 | < 20   | Acceptable |

Abbreviations

ND - None Detected at or above MRL  
RPD - Relative Percent Difference  
LOQ - Limit of Quantitation

Units of Measure:



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### Laboratory Pesticide Quality Control Results

| AOAC 2007.1 & EN 15662 |              |              |       |                           |           |           |        |       |  |
|------------------------|--------------|--------------|-------|---------------------------|-----------|-----------|--------|-------|--|
| Units: mg/Kg           |              |              |       |                           |           |           |        |       |  |
| Batch ID: 2208761      |              |              |       |                           |           |           |        |       |  |
| Method Blank           |              |              |       | Laboratory Control Sample |           |           |        |       |  |
| Analyte                | Blank Result | Blank Limits | Notes | LCS Result                | LCS Spike | LCS % Rec | Limits | Notes |  |
| Abamectin              | 0.000        | < 0.250      |       | 0.880                     | 1.000     | 88.0      | 50.0   | 150   |  |
| Acephate               | 0.000        | < 0.250      |       | 0.824                     | 1.000     | 82.4      | 60.0   | 120   |  |
| Acequinocyl            | 0.000        | < 1.000      |       | 3.353                     | 4.000     | 83.8      | 40.0   | 160   |  |
| Acetamiprid            | 0.000        | < 0.100      |       | 0.368                     | 0.400     | 91.9      | 60.0   | 120   |  |
| Aldicarb               | 0.000        | < 0.200      |       | 0.717                     | 0.800     | 89.7      | 60.0   | 120   |  |
| Azoxystrobin           | 0.000        | < 0.100      |       | 0.363                     | 0.400     | 90.8      | 60.0   | 120   |  |
| Bifenazate             | 0.000        | < 0.100      |       | 0.362                     | 0.400     | 90.6      | 60.0   | 120   |  |
| Bifenthrin             | 0.000        | < 0.100      |       | 0.350                     | 0.400     | 87.5      | 50.0   | 150   |  |
| Boscalid               | 0.000        | < 0.200      |       | 0.719                     | 0.800     | 89.8      | 60.0   | 120   |  |
| Carbaryl               | 0.000        | < 0.100      |       | 0.367                     | 0.400     | 91.8      | 60.0   | 120   |  |
| Carbofuran             | 0.000        | < 0.100      |       | 0.371                     | 0.400     | 92.7      | 60.0   | 120   |  |
| Chlorantraniliprole    | 0.000        | < 0.100      |       | 0.350                     | 0.400     | 87.4      | 60.0   | 120   |  |
| Chlorfenvapir          | 0.000        | < 0.500      |       | 1.607                     | 2.000     | 80.3      | 60.0   | 120   |  |
| Chlorpyrifos           | 0.000        | < 0.100      |       | 0.368                     | 0.400     | 92.0      | 60.0   | 120   |  |
| Clofentezine           | 0.000        | < 0.100      |       | 0.357                     | 0.400     | 89.2      | 60.0   | 120   |  |
| Cyfluthrin             | 0.000        | < 0.500      |       | 1.919                     | 2.000     | 95.9      | 50.0   | 150   |  |
| Cypermethrin           | 0.000        | < 0.500      |       | 1.806                     | 2.000     | 90.3      | 50.0   | 150   |  |
| Daminozide             | 0.000        | < 0.500      |       | 1.886                     | 2.000     | 94.3      | 60.0   | 120   |  |
| Diazinon               | 0.000        | < 0.100      |       | 0.372                     | 0.400     | 93.1      | 60.0   | 120   |  |
| Dichlorvos             | 0.000        | < 0.500      |       | 1.842                     | 2.000     | 92.1      | 60.0   | 120   |  |
| Dimethoate             | 0.000        | < 0.100      |       | 0.369                     | 0.400     | 92.4      | 60.0   | 120   |  |
| Ethoprophos            | 0.000        | < 0.100      |       | 0.347                     | 0.400     | 86.6      | 60.0   | 120   |  |
| Etofenprox             | 0.000        | < 0.200      |       | 0.707                     | 0.800     | 88.4      | 50.0   | 150   |  |
| Etoxazole              | 0.000        | < 0.100      |       | 0.361                     | 0.400     | 90.2      | 60.0   | 120   |  |
| Fenoxycarb             | 0.000        | < 0.100      |       | 0.355                     | 0.400     | 88.8      | 60.0   | 120   |  |
| Fenpyroximate          | 0.000        | < 0.200      |       | 0.708                     | 0.800     | 88.5      | 60.0   | 120   |  |
| Fipronil               | 0.000        | < 0.200      |       | 0.719                     | 0.800     | 89.9      | 60.0   | 120   |  |
| Flonicamid             | 0.000        | < 0.250      |       | 0.944                     | 1.000     | 94.4      | 60.0   | 120   |  |
| Fludioxonil            | 0.000        | < 0.200      |       | 0.805                     | 0.800     | 100.6     | 50.0   | 150   |  |
| Hexythiazox            | 0.000        | < 0.250      |       | 0.893                     | 1.000     | 89.3      | 60.0   | 120   |  |
| Imazalil               | 0.000        | < 0.100      |       | 0.371                     | 0.400     | 92.6      | 60.0   | 120   |  |
| Imidacloprid           | 0.000        | < 0.200      |       | 0.727                     | 0.800     | 90.8      | 60.0   | 120   |  |
| Kresoxim-methyl        | 0.000        | < 0.200      |       | 0.749                     | 0.800     | 93.7      | 60.0   | 120   |  |
| Malathion              | 0.000        | < 0.100      |       | 0.364                     | 0.400     | 91.0      | 60.0   | 120   |  |
| Metaxyl                | 0.000        | < 0.100      |       | 0.369                     | 0.400     | 92.1      | 60.0   | 120   |  |
| Methiocarb             | 0.000        | < 0.100      |       | 0.367                     | 0.400     | 91.8      | 60.0   | 120   |  |
| Methomyl               | 0.000        | < 0.200      |       | 0.666                     | 0.800     | 83.2      | 60.0   | 120   |  |
| MGK-264                | 0.000        | < 0.100      |       | 0.364                     | 0.400     | 91.1      | 50.0   | 150   |  |
| Myclobutanil           | 0.000        | < 0.100      |       | 0.360                     | 0.400     | 90.1      | 60.0   | 120   |  |
| Naled                  | 0.000        | < 0.250      |       | 0.877                     | 1.000     | 87.7      | 50.0   | 150   |  |
| Oxamyl                 | 0.000        | < 0.500      |       | 1.911                     | 2.000     | 95.5      | 60.0   | 120   |  |
| Paclobutrazole         | 0.000        | < 0.200      |       | 0.715                     | 0.800     | 89.4      | 60.0   | 120   |  |
| Parathion-Methyl       | 0.000        | < 0.200      |       | 0.728                     | 0.800     | 91.0      | 50.0   | 150   |  |
| Permethrin             | 0.000        | < 0.100      |       | 0.355                     | 0.400     | 88.8      | 50.0   | 150   |  |
| Phosmet                | 0.000        | < 0.100      |       | 0.351                     | 0.400     | 87.9      | 50.0   | 150   |  |
| Piperonyl butoxide     | 0.000        | < 0.500      |       | 1.739                     | 2.000     | 87.0      | 60.0   | 120   |  |
| Prallethrin            | 0.000        | < 0.100      |       | 0.368                     | 0.400     | 91.9      | 60.0   | 120   |  |
| Propiconazole          | 0.000        | < 0.200      |       | 0.734                     | 0.800     | 91.7      | 60.0   | 120   |  |
| Propoxur               | 0.000        | < 0.100      |       | 0.374                     | 0.400     | 93.5      | 60.0   | 120   |  |
| Pyrethrin (Summe)      | 0.000        | < 0.100      |       | 0.377                     | 0.413     | 91.2      | 60.0   | 120   |  |
| Pyridaben              | 0.000        | < 0.100      |       | 0.349                     | 0.400     | 87.3      | 50.0   | 150   |  |
| Spirosad               | 0.000        | < 0.100      |       | 0.319                     | 0.388     | 82.2      | 50.0   | 150   |  |
| Spiromesifen           | 0.000        | < 0.100      |       | 0.363                     | 0.400     | 90.7      | 60.0   | 120   |  |
| Spirotetramat          | 0.000        | < 0.100      |       | 0.369                     | 0.400     | 92.2      | 60.0   | 120   |  |
| Spiroxamine            | 0.000        | < 0.200      |       | 0.732                     | 0.800     | 91.4      | 60.0   | 120   |  |
| Tebuconazole           | 0.000        | < 0.200      |       | 0.723                     | 0.800     | 90.4      | 60.0   | 120   |  |
| Thiacloprid            | 0.000        | < 0.100      |       | 0.374                     | 0.400     | 93.5      | 60.0   | 120   |  |
| Thiamethoxam           | 0.000        | < 0.100      |       | 0.359                     | 0.400     | 89.8      | 60.0   | 120   |  |
| Trifloxystrobin        | 0.000        | < 0.100      |       | 0.360                     | 0.400     | 89.9      | 60.0   | 120   |  |



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### Laboratory Pesticide Quality Control Results

| AOAC 2007.1 & EN 15662 Units: mg/Kg Batch ID: 2208761                    |        |        |         |       |       |       |          |           |          |       |
|--------------------------------------------------------------------------|--------|--------|---------|-------|-------|-------|----------|-----------|----------|-------|
| Matrix Spike/Matrix Spike Duplicate Recoveries Sample ID: 22-012177-0001 |        |        |         |       |       |       |          |           |          |       |
| Analyte                                                                  | Result | MS Res | MSD Res | Spike | RPD%  | Limit | MS % Rec | MSD % Rec | Limits   | Notes |
| Abamectin                                                                | 0.000  | 0.638  | 0.648   | 1.000 | 1.6%  | < 30  | 63.8%    | 64.8%     | 50 - 150 |       |
| Acephate                                                                 | 0.000  | 0.605  | 0.654   | 1.000 | 7.8%  | < 30  | 60.5%    | 65.4%     | 50 - 150 |       |
| Acequinocyl                                                              | 0.000  | 1.501  | 1.570   | 4.000 | 4.5%  | < 30  | 37.5%    | 39.2%     | 50 - 150 | Q     |
| Acetamiprid                                                              | 0.000  | 0.347  | 0.354   | 0.400 | 2.0%  | < 30  | 86.8%    | 88.5%     | 50 - 150 |       |
| Aldicarb                                                                 | 0.000  | 0.669  | 0.718   | 0.800 | 7.1%  | < 30  | 83.6%    | 89.7%     | 50 - 150 |       |
| Azoxystrobin                                                             | 0.000  | 0.269  | 0.268   | 0.400 | 0.7%  | < 30  | 67.3%    | 66.9%     | 50 - 150 |       |
| Bifenazate                                                               | 0.000  | 0.300  | 0.319   | 0.400 | 6.2%  | < 30  | 74.9%    | 79.7%     | 50 - 150 |       |
| Bifenthrin                                                               | 0.000  | 0.200  | 0.217   | 0.400 | 8.3%  | < 30  | 49.9%    | 54.2%     | 50 - 150 | Q     |
| Boscalid                                                                 | 0.069  | 0.683  | 0.645   | 0.800 | 6.4%  | < 30  | 76.8%    | 72.0%     | 50 - 150 |       |
| Carbaryl                                                                 | 0.000  | 0.300  | 0.297   | 0.400 | 1.1%  | < 30  | 74.9%    | 74.1%     | 50 - 150 |       |
| Carbofuran                                                               | 0.000  | 0.278  | 0.280   | 0.400 | 0.9%  | < 30  | 69.4%    | 70.0%     | 50 - 150 |       |
| Chlorantraniliprole                                                      | 0.000  | 0.303  | 0.312   | 0.400 | 3.0%  | < 30  | 75.7%    | 78.0%     | 50 - 150 |       |
| Chlorfenapyr                                                             | 0.000  | 1.231  | 1.067   | 2.000 | 14.2% | < 30  | 61.5%    | 53.4%     | 50 - 150 |       |
| Chlorpyrifos                                                             | 0.000  | 2.487  | 2.665   | 0.400 | 6.9%  | < 30  | 621.8%   | 666.2%    | 50 - 150 | Q     |
| Clofentezine                                                             | 0.000  | 0.229  | 0.235   | 0.400 | 2.7%  | < 30  | 57.1%    | 58.7%     | 50 - 150 |       |
| Cyfluthrin                                                               | 0.000  | 0.871  | 0.940   | 2.000 | 7.6%  | < 30  | 43.5%    | 47.0%     | 30 - 150 |       |
| Cypermethrin                                                             | 0.000  | 0.759  | 0.817   | 2.000 | 7.5%  | < 30  | 37.9%    | 40.9%     | 50 - 150 | Q     |
| Daminozide                                                               | 0.000  | 0.290  | 0.318   | 2.000 | 9.3%  | < 30  | 14.5%    | 15.9%     | 30 - 150 | Q     |
| Diazinon                                                                 | 0.000  | 0.205  | 0.205   | 0.400 | 0.4%  | < 30  | 51.3%    | 51.1%     | 50 - 150 |       |
| Dichlorvos                                                               | 0.000  | 1.564  | 1.589   | 2.000 | 1.6%  | < 30  | 78.2%    | 79.5%     | 50 - 150 |       |
| Dimethoate                                                               | 0.000  | 0.352  | 0.358   | 0.400 | 1.7%  | < 30  | 88.1%    | 89.6%     | 50 - 150 |       |
| Ethoprophos                                                              | 0.000  | 0.250  | 0.250   | 0.400 | 0.2%  | < 30  | 62.4%    | 62.5%     | 50 - 150 |       |
| Etofenprox                                                               | 0.000  | 0.347  | 0.351   | 0.800 | 1.3%  | < 30  | 43.3%    | 43.9%     | 50 - 150 | Q     |
| Etoxazole                                                                | 0.000  | 0.275  | 0.271   | 0.400 | 1.6%  | < 30  | 68.8%    | 67.7%     | 50 - 150 |       |
| Fenoxycarb                                                               | 0.000  | 0.259  | 0.269   | 0.400 | 3.7%  | < 30  | 64.7%    | 67.2%     | 50 - 150 |       |
| Fenpyroximate                                                            | 0.000  | 0.308  | 0.343   | 0.800 | 10.6% | < 30  | 38.5%    | 42.8%     | 50 - 150 | Q     |
| Fipronil                                                                 | 0.000  | 0.519  | 0.550   | 0.800 | 5.7%  | < 30  | 64.9%    | 68.7%     | 50 - 150 |       |
| Fonicamid                                                                | 0.000  | 0.927  | 0.910   | 1.000 | 1.9%  | < 30  | 92.7%    | 91.0%     | 50 - 150 |       |
| Fludioxonil                                                              | 0.000  | 0.809  | 0.777   | 0.800 | 4.0%  | < 30  | 101.1%   | 97.1%     | 50 - 150 |       |
| Hexythiazox                                                              | 0.000  | 0.658  | 0.665   | 1.000 | 1.1%  | < 30  | 65.8%    | 66.5%     | 50 - 150 |       |
| Imazalil                                                                 | 0.000  | 0.326  | 0.340   | 0.400 | 4.3%  | < 30  | 81.5%    | 85.1%     | 50 - 150 |       |
| Imidacloprid                                                             | 0.000  | 0.773  | 0.808   | 0.800 | 4.4%  | < 30  | 96.6%    | 101.0%    | 50 - 150 |       |
| Kresoxim-methyl                                                          | 0.000  | 0.477  | 0.486   | 0.800 | 1.8%  | < 30  | 59.7%    | 60.7%     | 50 - 150 |       |
| Malathion                                                                | 0.000  | 0.236  | 0.241   | 0.400 | 2.3%  | < 30  | 58.9%    | 60.3%     | 50 - 150 |       |
| Metaxyl                                                                  | 0.000  | 0.275  | 0.284   | 0.400 | 3.3%  | < 30  | 68.8%    | 71.1%     | 50 - 150 |       |
| Methiocarb                                                               | 0.000  | 0.282  | 0.281   | 0.400 | 0.6%  | < 30  | 70.5%    | 70.1%     | 50 - 150 |       |
| Methomyl                                                                 | 0.000  | 0.748  | 0.630   | 0.800 | 17.2% | < 30  | 93.5%    | 78.7%     | 50 - 150 |       |
| MGK-264                                                                  | 0.000  | 0.154  | 0.158   | 0.400 | 2.2%  | < 30  | 38.5%    | 39.4%     | 50 - 150 | Q     |
| Myclobutanil                                                             | 0.000  | 0.236  | 0.279   | 0.400 | 16.5% | < 30  | 59.0%    | 69.7%     | 50 - 150 |       |
| Naled                                                                    | 0.000  | 0.634  | 0.644   | 1.000 | 1.5%  | < 30  | 63.4%    | 64.4%     | 50 - 150 |       |
| Oxamyl                                                                   | 0.000  | 1.904  | 1.702   | 2.000 | 11.2% | < 30  | 95.2%    | 85.1%     | 50 - 150 |       |
| Paclobutrazole                                                           | 0.000  | 0.575  | 0.602   | 0.800 | 4.6%  | < 30  | 71.8%    | 75.2%     | 50 - 150 |       |
| Parathion-Methyl                                                         | 0.000  | 0.454  | 0.359   | 0.800 | 23.4% | < 30  | 56.7%    | 44.9%     | 30 - 150 |       |
| Permethrin                                                               | 0.000  | 0.212  | 0.213   | 0.400 | 0.5%  | < 30  | 53.0%    | 53.2%     | 50 - 150 |       |
| Phosmet                                                                  | 0.000  | 0.283  | 0.293   | 0.400 | 3.4%  | < 30  | 70.7%    | 73.2%     | 50 - 150 |       |
| Piperonyl butoxide                                                       | 0.000  | 1.325  | 1.377   | 2.000 | 3.8%  | < 30  | 66.2%    | 68.8%     | 50 - 150 |       |
| Prallethrin                                                              | 0.000  | 0.197  | 0.193   | 0.400 | 1.6%  | < 30  | 49.1%    | 48.3%     | 50 - 150 | Q     |
| Propiconazole                                                            | 0.000  | 0.622  | 0.634   | 0.800 | 2.0%  | < 30  | 77.8%    | 79.3%     | 50 - 150 |       |
| Propoxur                                                                 | 0.000  | 0.297  | 0.298   | 0.400 | 0.3%  | < 30  | 74.4%    | 74.6%     | 50 - 150 |       |
| Pyrethrin (Summe)                                                        | 0.000  | 0.320  | 0.323   | 0.413 | 0.9%  | < 30  | 77.5%    | 78.3%     | 50 - 150 |       |
| Pyridaben                                                                | 0.000  | 0.226  | 0.231   | 0.400 | 2.4%  | < 30  | 56.5%    | 57.9%     | 50 - 150 |       |
| Spinosad                                                                 | 0.000  | 0.230  | 0.230   | 0.388 | 0.1%  | < 30  | 59.3%    | 59.4%     | 50 - 150 |       |
| Spiromesifen                                                             | 0.000  | 0.267  | 0.247   | 0.400 | 7.7%  | < 30  | 66.7%    | 61.8%     | 50 - 150 |       |
| Spirotetramat                                                            | 0.000  | 0.506  | 0.525   | 0.400 | 3.7%  | < 30  | 126.5%   | 131.3%    | 50 - 150 |       |
| Spiroxamine                                                              | 0.000  | 0.576  | 0.625   | 0.800 | 8.2%  | < 30  | 72.0%    | 78.2%     | 50 - 150 |       |
| Tebuconazole                                                             | 0.000  | 0.601  | 0.649   | 0.800 | 7.7%  | < 30  | 75.1%    | 81.1%     | 50 - 150 |       |
| Thiacloprid                                                              | 0.000  | 0.334  | 0.344   | 0.400 | 3.0%  | < 30  | 83.4%    | 86.0%     | 50 - 150 |       |
| Thiamethoxam                                                             | 0.000  | 0.358  | 0.330   | 0.400 | 8.2%  | < 30  | 89.6%    | 82.5%     | 50 - 150 |       |
| Trifloxystrobin                                                          | 0.000  | 0.243  | 0.247   | 0.400 | 1.5%  | < 30  | 60.9%    | 61.8%     | 50 - 150 |       |



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**Report Number:** 22-012186/D005.R000  
**Report Date:** 10/17/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/10/22 10:10





Explanation of QC Flag Comments:

| Code | Explanation                                                                                 |
|------|---------------------------------------------------------------------------------------------|
| Q    | Matrix interferences affecting spike or surrogate recoveries.                               |
| Q1   | Quality control result biased high. Only non-detect samples reported.                       |
| Q2   | Quality control outside QC limits. Data considered estimate.                                |
| Q3   | Sample concentration greater than four times the amount spiked.                             |
| Q4   | Non-homogenous sample matrix, affecting RPD result and/or % recoveries.                     |
| Q5   | Spike results above calibration curve.                                                      |
| Q6   | Quality control outside QC limits. Data acceptable based on remaining QC.                   |
| R    | Relative percent difference (RPD) outside control limit.                                    |
| R1   | RPD non-calculable, as sample or duplicate results are less than five times the LOQ.        |
| R2   | Sample replicates RPD non-calculable, as only one replicate is within the analytical range. |
| LOQ1 | Quantitation level raised due to low sample volume and/or dilution.                         |
| LOQ2 | Quantitation level raised due to matrix interference.                                       |
| B    | Analyte detected in method blank, but not in associated samples.                            |
| B1   | The sample concentration is greater than 5 times the blank concentration.                   |
| B2   | The sample concentration is less than 5 times the blank concentration.                      |