



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

**Report Number:**  
**Report Date:** 10/05/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 09/12/23 12:27

This is an amended version of report#  
Reason: Updated product identity.

**Customer:**  
**Product identity:** FS CBD Dist  
**Client/Metric ID:**  
**Laboratory ID:**

### Summary

#### Potency:

| Analyte | Result (%) | <ul style="list-style-type: none"><li>CBD</li><li>CBT</li><li>CBG</li><li>CBE</li><li>Δ9-THC</li><li>CBN</li><li>CBC</li><li>CBDV</li></ul> | CBD-Total                             | 80.2% |
|---------|------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------|
| CBD     | 80.2       |                                                                                                                                             | THC-Total                             | 1.68% |
| CBT     | 3.03       |                                                                                                                                             | (Reported in percent of total sample) |       |
| CBG     | 2.74       |                                                                                                                                             |                                       |       |
| CBE     | 1.77       |                                                                                                                                             |                                       |       |
| Δ9-THC  | 1.68       |                                                                                                                                             |                                       |       |
| CBN     | 0.397      |                                                                                                                                             |                                       |       |
| CBC     | 0.253      |                                                                                                                                             |                                       |       |
| CBDV    | 0.137      |                                                                                                                                             |                                       |       |

#### Residual Solvents:

All analytes passing and less than LOQ.

#### Pesticides:

All analytes passing and less than LOQ.

#### Metals:

Less than LOQ for all analytes.

#### Microbiology:

Less than LOQ for all analytes.



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Customer:

Product identity: FS CBD Dist  
Client/Metric ID: .  
Sample Date:  
Laboratory ID:  
Evidence of Cooling: No  
Temp: 25.1 °C  
Relinquished by: Client

Sample Results

| Potency            | Method: J AOAC 2015 V98-6 (mod) <sup>p</sup> |            |        | Units % | Batch: 2310905 | Analyze: 9/15/23 8:19:00 AM |
|--------------------|----------------------------------------------|------------|--------|---------|----------------|-----------------------------|
| Analyte            | As Received                                  | Dry weight | LOQ    | Notes   |                |                             |
| CBC                | 0.253                                        |            | 0.0728 |         |                |                             |
| CBC-A              | < LOQ                                        |            | 0.0728 |         |                |                             |
| CBC-Total          | 0.253                                        |            | 0.137  |         |                |                             |
| CBD                | 80.2                                         |            | 0.728  |         |                |                             |
| CBD-A              | < LOQ                                        |            | 0.0728 |         |                |                             |
| CBD-Total          | 80.2                                         |            | 0.792  |         |                |                             |
| CBDV               | 0.137                                        |            | 0.0728 |         |                |                             |
| CBDV-A             | < LOQ                                        |            | 0.0728 |         |                |                             |
| CBDV-Total         | 0.137                                        |            | 0.136  |         |                |                             |
| CBE                | 1.77                                         |            | 0.0728 |         |                |                             |
| CBG                | 2.74                                         |            | 0.0728 |         |                |                             |
| CBG-A              | < LOQ                                        |            | 0.0728 |         |                |                             |
| CBG-Total          | 2.74                                         |            | 0.136  |         |                |                             |
| CBL                | < LOQ                                        |            | 0.0728 |         |                |                             |
| CBL-A              | < LOQ                                        |            | 0.0728 |         |                |                             |
| CBL-Total          | < LOQ                                        |            | 0.137  |         |                |                             |
| CBN                | 0.397                                        |            | 0.0728 |         |                |                             |
| CBT                | 3.03                                         |            | 0.0728 |         |                |                             |
| Δ10-THC-9R         | < LOQ                                        |            | 0.0728 |         |                |                             |
| Δ10-THC-9S         | < LOQ                                        |            | 0.0728 |         |                |                             |
| Δ10-THC-Total      | < LOQ                                        |            | 0.146  |         |                |                             |
| Δ8-THC             | < LOQ                                        |            | 0.0728 |         |                |                             |
| Δ8-THCV            | < LOQ                                        |            | 0.0728 |         |                |                             |
| Δ9-THC             | 1.68                                         |            | 0.0728 |         |                |                             |
| delta-9-THCP       | < LOQ                                        |            | 0.0728 |         |                |                             |
| exo-THC            | < LOQ                                        |            | 0.0728 |         |                |                             |
| THC-A              | < LOQ                                        |            | 0.0728 |         |                |                             |
| THC-Total          | 1.68                                         |            | 0.137  |         |                |                             |
| THCV               | < LOQ                                        |            | 0.0728 |         |                |                             |
| THCV-A             | < LOQ                                        |            | 0.0728 |         |                |                             |
| THCV-Total         | < LOQ                                        |            | 0.136  |         |                |                             |
| Total Cannabinoids | 90.2                                         |            |        |         |                |                             |



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#### Microbiology

| Analyte                 | Result | Limits | Units | LOQ | Batch   | Analyzed Method                               | Status | Notes |
|-------------------------|--------|--------|-------|-----|---------|-----------------------------------------------|--------|-------|
| E.coli                  | < LOQ  |        | cfu/g | 10  | 2310838 | 09/15/23 AOAC 991.14 (Petrifilm) <sup>b</sup> |        |       |
| Total Coliforms         | < LOQ  |        | cfu/g | 10  | 2310838 | 09/15/23 AOAC 991.14 (Petrifilm) <sup>b</sup> |        |       |
| Mold (RAPID Petrifilm)  | < LOQ  |        | cfu/g | 10  | 2310839 | 09/15/23 AOAC 2014.05 (RAPID) <sup>b</sup>    |        |       |
| Yeast (RAPID Petrifilm) | < LOQ  |        | cfu/g | 10  | 2310839 | 09/15/23 AOAC 2014.05 (RAPID) <sup>b</sup>    |        |       |

#### Solvents Method: Residual Solvents by GC/MS<sup>b</sup> Units µg/g Batch 2310888 Analyze 09/14/23 10:30 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                 | < LOQ  | 5000   | 200  | pass   |       | n-Hexane                          | < LOQ  |        | 30.0 |        |       |
| n-Pentane                 | < LOQ  |        | 200  |        |       | o-Xylene                          | < LOQ  |        | 200  |        |       |
| Pentanes (sum)            | < LOQ  | 5000   | 600  | pass   |       | Propane                           | < LOQ  | 5000   | 200  | pass   |       |
| Tetrahydrofuran           | < LOQ  | 720    | 100  | pass   |       | Toluene                           | < LOQ  | 890    | 100  | pass   |       |
| Total Xylenes             | < LOQ  |        | 400  |        |       | Total Xylenes and Ethyl benzene   | < LOQ  | 2170   | 600  | pass   |       |



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| Pesticides                                         |        |        |       |               |       |                                  |        |                           |       |        |       |
|----------------------------------------------------|--------|--------|-------|---------------|-------|----------------------------------|--------|---------------------------|-------|--------|-------|
| Method: AOAC 2007.01 & EN 15662 (mod) <sup>b</sup> |        |        |       |               |       |                                  |        |                           |       |        |       |
| Units mg/kg                                        |        |        |       | Batch 2310886 |       |                                  |        | Analyze 09/14/23 10:04 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                      | 0.200 | 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          |       | Etoazole <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   | 0.100 | 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   | 0.100 | 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 <sup>‡</sup> | < LOQ  | 0.200  | mg/kg | 0.0851 | 2310921 | 09/14/23        | AOAC 2013.06 (mod.) <sup>b</sup> | pass   |       |  |  |
| Cadmium <sup>‡</sup> | < LOQ  | 0.200  | mg/kg | 0.0851 | 2310921 | 09/14/23        | AOAC 2013.06 (mod.) <sup>b</sup> | pass   |       |  |  |
| Lead <sup>‡</sup>    | < LOQ  | 0.500  | mg/kg | 0.0851 | 2310921 | 09/14/23        | AOAC 2013.06 (mod.) <sup>b</sup> | pass   |       |  |  |
| Mercury <sup>‡</sup> | < LOQ  | 0.100  | mg/kg | 0.0426 | 2310921 | 09/14/23        | AOAC 2013.06 (mod.) <sup>b</sup> | pass   |       |  |  |



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#### 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

cfu/g = Colony forming units per gram

µg/g = Microgram per gram

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

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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Revision: 3 Document ID: 3120  
Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

### Laboratory Pesticide Quality Control Results

| AOAC2007.1 & EN 15662 |              | Units: mg/Kg |                           | Batch ID: 2310886 |          |          |          |       |
|-----------------------|--------------|--------------|---------------------------|-------------------|----------|----------|----------|-------|
| Method Blank          |              |              | Laboratory Control Sample |                   |          |          |          |       |
| Analyte               | Blank Result | Blank Limits | Notes                     | LCS Result        | LCS Spke | LCS % Re | Limits   | Notes |
| Abamectin             | 0.000        | < 0.250      |                           | 0.923             | 1.000    | 92.3     | 50.0 150 |       |
| Acephate              | 0.000        | < 0.200      |                           | 0.732             | 0.800    | 91.5     | 60.0 120 |       |
| Acequinocyl           | 0.000        | < 1.000      |                           | 3.773             | 4.000    | 94.3     | 40.0 160 |       |
| Acetamiprid           | 0.000        | < 0.100      |                           | 0.371             | 0.400    | 92.8     | 60.0 120 |       |
| Aldicarb              | 0.000        | < 0.200      |                           | 0.756             | 0.800    | 94.5     | 60.0 120 |       |
| Azoxystrobin          | 0.000        | < 0.100      |                           | 0.364             | 0.400    | 90.9     | 60.0 120 |       |
| Bifenazate            | 0.000        | < 0.100      |                           | 0.358             | 0.400    | 89.4     | 60.0 120 |       |
| Bifenthrin            | 0.000        | < 0.100      |                           | 0.388             | 0.400    | 97.1     | 50.0 150 |       |
| Boscalid              | 0.000        | < 0.200      |                           | 0.762             | 0.800    | 95.3     | 60.0 120 |       |
| Carbaryl              | 0.000        | < 0.100      |                           | 0.358             | 0.400    | 89.5     | 60.0 120 |       |
| Carbofuran            | 0.000        | < 0.100      |                           | 0.373             | 0.400    | 93.3     | 60.0 120 |       |
| Chlorantraniliprole   | 0.000        | < 0.100      |                           | 0.358             | 0.400    | 89.5     | 60.0 120 |       |
| Chlorfenapyr          | 0.000        | < 0.500      |                           | 2.037             | 2.000    | 101.8    | 60.0 120 |       |
| Chlorpyrifos          | 0.000        | < 0.100      |                           | 0.349             | 0.400    | 87.4     | 60.0 120 |       |
| Clofentezine          | 0.002        | < 0.100      |                           | 0.375             | 0.400    | 93.8     | 60.0 120 |       |
| Cyfluthrin            | 0.000        | < 0.500      |                           | 1.961             | 2.000    | 98.1     | 50.0 150 |       |
| Cypermethrin          | 0.000        | < 0.500      |                           | 1.823             | 2.000    | 91.2     | 50.0 150 |       |
| Daminozide            | 0.137        | < 0.500      |                           | 2.029             | 2.000    | 101.4    | 60.0 120 |       |
| Diazinon              | 0.000        | < 0.100      |                           | 0.389             | 0.400    | 97.1     | 60.0 120 |       |
| Dichlorvos            | 0.012        | < 0.500      |                           | 1.880             | 2.000    | 94.0     | 60.0 120 |       |
| Dimethoate            | 0.000        | < 0.100      |                           | 0.381             | 0.400    | 95.2     | 60.0 120 |       |
| Ethoprophos           | 0.000        | < 0.100      |                           | 0.375             | 0.400    | 93.7     | 60.0 120 |       |
| Etofenprox            | 0.000        | < 0.200      |                           | 0.780             | 0.800    | 97.5     | 50.0 150 |       |
| Etoxazole             | 0.001        | < 0.100      |                           | 0.365             | 0.400    | 91.4     | 60.0 120 |       |
| Fenoxycarb            | 0.000        | < 0.100      |                           | 0.368             | 0.400    | 92.1     | 60.0 120 |       |
| Fenpyroximate         | 0.000        | < 0.200      |                           | 0.722             | 0.800    | 90.3     | 60.0 120 |       |
| Fipronil              | 0.000        | < 0.200      |                           | 0.795             | 0.800    | 99.4     | 60.0 120 |       |
| Flonicamid            | 0.000        | < 0.250      |                           | 0.981             | 1.000    | 98.1     | 60.0 120 |       |
| Fludioxonil           | 0.000        | < 0.200      |                           | 0.808             | 0.800    | 101.0    | 50.0 150 |       |
| Hexythiazox           | 0.000        | < 0.250      |                           | 0.903             | 1.000    | 90.3     | 60.0 120 |       |
| Imazalil              | 0.004        | < 0.100      |                           | 0.377             | 0.400    | 94.2     | 60.0 120 |       |
| Imidacloprid          | 0.000        | < 0.200      |                           | 0.755             | 0.800    | 94.4     | 60.0 120 |       |
| Kresoxim-methyl       | 0.000        | < 0.200      |                           | 0.709             | 0.800    | 88.6     | 60.0 120 |       |
| Malathion             | 0.000        | < 0.100      |                           | 0.373             | 0.400    | 93.4     | 60.0 120 |       |
| Metolaxyl             | 0.000        | < 0.100      |                           | 0.369             | 0.400    | 92.1     | 60.0 120 |       |
| Methiocarb            | 0.000        | < 0.100      |                           | 0.378             | 0.400    | 94.4     | 60.0 120 |       |
| Methomyl              | 0.000        | < 0.200      |                           | 0.751             | 0.800    | 93.9     | 60.0 120 |       |
| MKG-264               | 0.000        | < 0.100      |                           | 0.380             | 0.400    | 95.0     | 50.0 150 |       |
| Myclobutanil          | 0.000        | < 0.100      |                           | 0.395             | 0.400    | 98.7     | 60.0 120 |       |
| Naled                 | 0.000        | < 0.250      |                           | 0.990             | 1.000    | 99.0     | 50.0 150 |       |
| Oxamyl                | 0.000        | < 0.500      |                           | 1.908             | 2.000    | 95.4     | 60.0 120 |       |
| Paclobutrazole        | 0.000        | < 0.200      |                           | 0.744             | 0.800    | 93.1     | 60.0 120 |       |
| Parathion-Methyl      | 0.000        | < 0.100      |                           | 0.378             | 0.400    | 94.5     | 50.0 150 |       |
| Permethrin            | 0.000        | < 0.100      |                           | 0.359             | 0.400    | 89.7     | 50.0 150 |       |
| Phosmet               | 0.000        | < 0.100      |                           | 0.386             | 0.400    | 96.5     | 50.0 150 |       |
| Piperonyl butoxide    | 0.000        | < 0.500      |                           | 1.944             | 2.000    | 97.2     | 60.0 120 |       |
| Prallethrin           | 0.006        | < 0.100      |                           | 0.407             | 0.400    | 101.6    | 60.0 120 |       |
| Propiconazole         | 0.000        | < 0.200      |                           | 0.780             | 0.800    | 97.5     | 60.0 120 |       |
| Propoxur              | 0.002        | < 0.100      |                           | 0.376             | 0.400    | 94.0     | 60.0 120 |       |
| Pyrethrin (Summe)     | 0.000        | < 0.100      |                           | 0.465             | 0.488    | 95.3     | 60.0 120 |       |
| Pyridaben             | 0.002        | < 0.100      |                           | 0.360             | 0.400    | 90.1     | 50.0 150 |       |
| Spinosad              | 0.000        | < 0.100      |                           | 0.357             | 0.388    | 92.1     | 50.0 150 |       |
| Spiromesifen          | 0.000        | < 0.100      |                           | 0.363             | 0.400    | 90.8     | 60.0 120 |       |
| Spirotetramat         | 0.000        | < 0.100      |                           | 0.375             | 0.400    | 93.7     | 60.0 120 |       |
| Spiroxamine           | 0.000        | < 0.200      |                           | 0.750             | 0.800    | 93.7     | 60.0 120 |       |
| Tebuconazole          | 0.000        | < 0.200      |                           | 0.738             | 0.800    | 92.2     | 60.0 120 |       |
| Thiacloprid           | 0.000        | < 0.100      |                           | 0.384             | 0.400    | 96.0     | 60.0 120 |       |
| Thiamethoxam          | 0.000        | < 0.100      |                           | 0.381             | 0.400    | 95.3     | 60.0 120 |       |
| Trifloxystrobin       | 0.000        | < 0.100      |                           | 0.370             | 0.400    | 92.4     | 60.0 120 |       |



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Report Number:  
Report Date: 10/05/2023  
ORELAP#: OR100028  
Purchase Order:  
Received: 09/12/23 12:27

Revision: 3 Document ID: 3120  
Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

### Laboratory Pesticide Quality Control Results

| AOAC2007.1 & EN 15662                          |        |        |         | Units: mg/Kg             |       | Batch ID 2310886 |         |          |          |       |
|------------------------------------------------|--------|--------|---------|--------------------------|-------|------------------|---------|----------|----------|-------|
| Matrix Spike/Matrix Spike Duplicate Recoveries |        |        |         | Sample ID: 23-0108310001 |       |                  |         |          |          |       |
| Analyte                                        | Result | MS Res | MSD Res | Spike                    | RPD%  | Limit            | MS % Re | MSD % Re | Units    | Notes |
| Abamectin                                      | 0.000  | 0.755  | 0.796   | 1.000                    | 5.3%  | < 30             | 75.5%   | 79.6%    | 50 - 150 |       |
| Acephate                                       | 0.231  | 0.864  | 0.890   | 0.800                    | 4.0%  | < 30             | 79.2%   | 82.4%    | 50 - 150 |       |
| Acequinocyl                                    | 0.000  | 2.839  | 3.294   | 4.000                    | 14.9% | < 30             | 71.0%   | 82.4%    | 50 - 150 |       |
| Acetamiprid                                    | 0.000  | 0.285  | 0.300   | 0.400                    | 5.4%  | < 30             | 71.2%   | 75.1%    | 50 - 150 |       |
| Aldicarb                                       | 0.000  | 0.674  | 0.670   | 0.800                    | 0.5%  | < 30             | 84.2%   | 83.8%    | 50 - 150 |       |
| Azoxystrobin                                   | 0.000  | 0.165  | 0.173   | 0.400                    | 5.2%  | < 30             | 41.1%   | 43.3%    | 50 - 150 | Q     |
| Bifenazate                                     | 0.005  | 0.292  | 0.293   | 0.400                    | 0.5%  | < 30             | 71.8%   | 72.1%    | 50 - 150 |       |
| Bifenthrin                                     | 0.000  | 0.247  | 0.241   | 0.400                    | 2.6%  | < 30             | 61.7%   | 60.1%    | 50 - 150 |       |
| Boscalid                                       | 0.003  | 0.487  | 0.476   | 0.800                    | 2.4%  | < 30             | 60.6%   | 59.1%    | 50 - 150 |       |
| Carbaryl                                       | 0.000  | 0.237  | 0.251   | 0.400                    | 5.7%  | < 30             | 59.3%   | 62.7%    | 50 - 150 |       |
| Carbofuran                                     | 0.000  | 0.247  | 0.254   | 0.400                    | 2.6%  | < 30             | 61.7%   | 63.4%    | 50 - 150 |       |
| Chlorantraniliprole                            | 0.000  | 0.255  | 0.245   | 0.400                    | 4.0%  | < 30             | 63.6%   | 61.1%    | 50 - 150 |       |
| Chlorfenapyr                                   | 0.000  | 1.175  | 1.469   | 2.000                    | 22.2% | < 30             | 58.8%   | 73.4%    | 50 - 150 |       |
| Chlorpyrifos                                   | 0.000  | 0.119  | 0.129   | 0.400                    | 8.1%  | < 30             | 29.8%   | 32.3%    | 50 - 150 | Q     |
| Clofentezine                                   | 0.008  | 0.239  | 0.259   | 0.400                    | 8.6%  | < 30             | 57.5%   | 62.7%    | 50 - 150 |       |
| Cyfluthrin                                     | 0.000  | 1.718  | 1.700   | 2.000                    | 1.1%  | < 30             | 85.9%   | 85.0%    | 30 - 150 |       |
| Cypermethrin                                   | 0.091  | 1.987  | 1.900   | 2.000                    | 4.7%  | < 30             | 94.8%   | 90.4%    | 50 - 150 |       |
| Daminozide                                     | 0.336  | 2.113  | 1.891   | 2.000                    | 13.3% | < 30             | 88.8%   | 77.8%    | 30 - 150 |       |
| Diazinon                                       | 0.000  | 0.262  | 0.308   | 0.400                    | 16.3% | < 30             | 65.5%   | 77.1%    | 50 - 150 |       |
| Dichlorvos                                     | 0.032  | 1.317  | 1.412   | 2.000                    | 7.2%  | < 30             | 64.2%   | 69.0%    | 50 - 150 |       |
| Dimethoate                                     | 0.000  | 0.313  | 0.327   | 0.400                    | 4.2%  | < 30             | 78.4%   | 81.7%    | 50 - 150 |       |
| Ethoprophos                                    | 0.049  | 0.298  | 0.300   | 0.400                    | 0.9%  | < 30             | 62.1%   | 62.6%    | 50 - 150 |       |
| Etofenprox                                     | 0.000  | 0.563  | 0.567   | 0.800                    | 0.6%  | < 30             | 70.4%   | 70.8%    | 50 - 150 |       |
| Etoxazole                                      | 0.001  | 0.323  | 0.327   | 0.400                    | 1.3%  | < 30             | 80.6%   | 81.6%    | 50 - 150 |       |
| Fenoxycarb                                     | 0.000  | 0.178  | 0.195   | 0.400                    | 9.2%  | < 30             | 44.4%   | 48.7%    | 50 - 150 | Q     |
| Fenpyroximate                                  | 0.000  | 0.621  | 0.606   | 0.800                    | 2.4%  | < 30             | 77.6%   | 75.7%    | 50 - 150 |       |
| Fipronil                                       | 0.000  | 0.288  | 0.275   | 0.800                    | 4.9%  | < 30             | 36.1%   | 34.3%    | 50 - 150 | Q     |
| Flonicamid                                     | 0.008  | 0.812  | 0.904   | 1.000                    | 10.9% | < 30             | 80.3%   | 89.6%    | 50 - 150 |       |
| Fludioxonil                                    | 0.000  | 0.953  | 0.989   | 0.800                    | 3.7%  | < 30             | 119.1%  | 123.7%   | 50 - 150 |       |
| Hexythiazox                                    | 0.000  | 0.157  | 0.157   | 1.000                    | 0.2%  | < 30             | 15.7%   | 15.7%    | 50 - 150 | Q     |
| Imazalil                                       | 0.004  | 0.246  | 0.245   | 0.400                    | 0.1%  | < 30             | 60.4%   | 60.4%    | 50 - 150 |       |
| Imidacloprid                                   | 0.066  | 0.805  | 0.776   | 0.800                    | 4.0%  | < 30             | 92.4%   | 88.7%    | 50 - 150 |       |
| Kresoxim-methyl                                | 0.023  | 0.455  | 0.475   | 0.800                    | 4.7%  | < 30             | 54.0%   | 56.5%    | 50 - 150 |       |
| Malathion                                      | 0.000  | 0.206  | 0.216   | 0.400                    | 4.6%  | < 30             | 51.5%   | 54.0%    | 50 - 150 |       |
| Metaxyl                                        | 0.005  | 0.225  | 0.246   | 0.400                    | 9.3%  | < 30             | 55.0%   | 60.4%    | 50 - 150 |       |
| Methiocarb                                     | 0.000  | 0.241  | 0.245   | 0.400                    | 1.7%  | < 30             | 60.3%   | 61.3%    | 50 - 150 |       |
| Methomyl                                       | 0.000  | 0.751  | 0.756   | 0.800                    | 0.6%  | < 30             | 93.9%   | 94.5%    | 50 - 150 |       |
| MIG-264                                        | 0.000  | 0.202  | 0.201   | 0.400                    | 0.3%  | < 30             | 50.4%   | 50.2%    | 50 - 150 |       |
| Myclobutanil                                   | 0.006  | 0.297  | 0.301   | 0.400                    | 1.3%  | < 30             | 72.8%   | 73.8%    | 50 - 150 |       |
| Naled                                          | 0.000  | 0.511  | 0.599   | 1.000                    | 15.8% | < 30             | 51.1%   | 59.9%    | 50 - 150 |       |
| Oxamyl                                         | 0.000  | 1.998  | 1.801   | 2.000                    | 10.4% | < 30             | 99.9%   | 90.1%    | 50 - 150 |       |
| Paclobutrazole                                 | 0.000  | 0.502  | 0.515   | 0.800                    | 2.7%  | < 30             | 62.7%   | 64.4%    | 50 - 150 |       |
| Parathion-Methyl                               | 0.316  | 0.600  | 0.538   | 0.400                    | 24.4% | < 30             | 71.2%   | 55.7%    | 30 - 150 |       |
| Permethrin                                     | 0.009  | 0.446  | 0.382   | 0.400                    | 15.7% | < 30             | 109.2%  | 93.3%    | 50 - 150 |       |
| Phosmet                                        | 0.000  | 0.239  | 0.251   | 0.400                    | 4.7%  | < 30             | 59.8%   | 62.7%    | 50 - 150 |       |
| Piperonyl butoxide                             | 0.000  | 1.197  | 1.244   | 2.000                    | 3.9%  | < 30             | 59.8%   | 62.2%    | 50 - 150 |       |
| Prallethrin                                    | 0.000  | 0.488  | 0.508   | 0.400                    | 4.0%  | < 30             | 122.0%  | 127.0%   | 50 - 150 |       |
| Propiconazole                                  | 0.000  | 0.537  | 0.580   | 0.800                    | 7.8%  | < 30             | 67.1%   | 72.5%    | 50 - 150 |       |
| Propoxur                                       | 0.022  | 0.285  | 0.306   | 0.400                    | 7.9%  | < 30             | 65.6%   | 71.0%    | 50 - 150 |       |
| Pyrethrin (Summe)                              | 0.142  | 0.625  | 0.527   | 0.488                    | 22.7% | < 30             | 99.0%   | 78.8%    | 50 - 150 |       |
| Pyridaben                                      | 0.001  | 0.321  | 0.310   | 0.400                    | 3.4%  | < 30             | 79.8%   | 77.2%    | 50 - 150 |       |
| Spinosad                                       | 0.000  | 0.225  | 0.225   | 0.388                    | 0.3%  | < 30             | 57.9%   | 58.1%    | 50 - 150 |       |
| Spiromesifen                                   | 0.000  | 0.206  | 0.208   | 0.400                    | 1.1%  | < 30             | 51.5%   | 52.1%    | 50 - 150 |       |
| Spirotetramat                                  | 0.001  | 0.427  | 0.440   | 0.400                    | 3.1%  | < 30             | 106.6%  | 109.9%   | 50 - 150 |       |
| Spiroxamine                                    | 0.001  | 0.583  | 0.619   | 0.800                    | 6.1%  | < 30             | 72.7%   | 77.3%    | 50 - 150 |       |
| Tebuconazole                                   | 0.000  | 0.627  | 0.659   | 0.800                    | 5.0%  | < 30             | 78.4%   | 82.4%    | 50 - 150 |       |
| Thiacloprid                                    | 0.000  | 0.290  | 0.305   | 0.400                    | 5.1%  | < 30             | 72.5%   | 76.2%    | 50 - 150 |       |
| Thiamethoxam                                   | 0.000  | 0.331  | 0.345   | 0.400                    | 4.1%  | < 30             | 82.8%   | 86.2%    | 50 - 150 |       |
| Trifloxystrobin                                | 0.000  | 0.268  | 0.281   | 0.400                    | 4.9%  | < 30             | 67.0%   | 70.3%    | 50 - 150 |       |



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Report Number:  
Report Date: 10/05/2023  
ORELAP#: OR100028  
Purchase Order:  
Received: 09/12/23 12:27

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

Laboratory Quality Control Results

| Residual Solvents     |        |       |       | Batch ID: 2310888         |       |       |                  |          |       |
|-----------------------|--------|-------|-------|---------------------------|-------|-------|------------------|----------|-------|
| Method Blank          |        |       |       | Laboratory Control Sample |       |       |                  |          |       |
| Analyte               | Result | LOQ   | Notes | Result                    | Spike | Units | % R <sub>d</sub> | Limits   | Notes |
| Propane               | ND     | < 200 |       | 513                       | 584   | µg/g  | 87.8             | 60 - 120 |       |
| Isobutane             | ND     | < 200 |       | 718                       | 767   | µg/g  | 93.6             | 60 - 120 |       |
| Butane                | ND     | < 200 |       | 709                       | 782   | µg/g  | 90.7             | 60 - 120 |       |
| 2,2-Dimethylpropane   | ND     | < 200 |       | 841                       | 939   | µg/g  | 89.6             | 60 - 120 |       |
| Methanol              | ND     | < 200 |       | 1670                      | 1670  | µg/g  | 100.0            | 60 - 120 |       |
| Ethylene Oxide        | ND     | < 30  |       | 57.2                      | 57.1  | µg/g  | 100.2            | 60 - 120 |       |
| 2-Methylbutane        | ND     | < 200 |       | 1550                      | 1680  | µg/g  | 92.3             | 60 - 120 |       |
| Pentane               | ND     | < 200 |       | 1550                      | 1670  | µg/g  | 92.8             | 60 - 120 |       |
| Ethanol               | ND     | < 200 |       | 1690                      | 1660  | µg/g  | 101.8            | 70 - 130 |       |
| Ethyl Ether           | ND     | < 200 |       | 1590                      | 1670  | µg/g  | 95.2             | 60 - 120 |       |
| 2,2-Dimethylbutane    | ND     | < 30  |       | 168                       | 189   | µg/g  | 88.9             | 60 - 120 |       |
| Acetone               | ND     | < 200 |       | 1640                      | 1670  | µg/g  | 98.2             | 60 - 120 |       |
| 2-Propanol            | ND     | < 200 |       | 1610                      | 1630  | µg/g  | 98.8             | 60 - 120 |       |
| Ethyl Formate         | ND     | < 500 |       | 1240                      | 1600  | µg/g  | 77.5             | 70 - 130 |       |
| Acetonitrile          | ND     | < 100 |       | 470                       | 492   | µg/g  | 95.5             | 60 - 120 |       |
| Methyl Acetate        | ND     | < 500 |       | 1550                      | 1600  | µg/g  | 96.9             | 70 - 130 |       |
| 2,3-Dimethylbutane    | ND     | < 30  |       | 181                       | 180   | µg/g  | 100.6            | 60 - 120 |       |
| Dichloromethane       | ND     | < 60  |       | 476                       | 488   | µg/g  | 97.5             | 60 - 120 |       |
| 2-Methylpentane       | ND     | < 30  |       | 159                       | 182   | µg/g  | 87.4             | 60 - 120 |       |
| MTBE                  | ND     | < 500 |       | 1550                      | 1610  | µg/g  | 96.3             | 70 - 130 |       |
| 3-Methylpentane       | ND     | < 30  |       | 166                       | 177   | µg/g  | 93.8             | 60 - 120 |       |
| Hexane                | ND     | < 30  |       | 170                       | 177   | µg/g  | 96.0             | 60 - 120 |       |
| 1-Propanol            | ND     | < 500 |       | 1510                      | 1600  | µg/g  | 94.4             | 70 - 130 |       |
| Methylethylketone     | ND     | < 500 |       | 1530                      | 1610  | µg/g  | 95.0             | 70 - 130 |       |
| Ethyl acetate         | ND     | < 200 |       | 1560                      | 1630  | µg/g  | 95.7             | 60 - 120 |       |
| 2-Butanol             | ND     | < 200 |       | 1560                      | 1630  | µg/g  | 95.7             | 60 - 120 |       |
| Tetrahydrofuran       | ND     | < 100 |       | 484                       | 488   | µg/g  | 99.2             | 60 - 120 |       |
| Cyclohexane           | ND     | < 200 |       | 1470                      | 1610  | µg/g  | 91.3             | 60 - 120 |       |
| 2-methyl-1-propanol   | ND     | < 500 |       | 1460                      | 1610  | µg/g  | 90.7             | 70 - 130 |       |
| Benzene               | ND     | < 1   |       | 4.68                      | 4.79  | µg/g  | 97.7             | 60 - 120 |       |
| Isopropyl Acetate     | ND     | < 200 |       | 1570                      | 1650  | µg/g  | 95.2             | 60 - 120 |       |
| Heptane               | ND     | < 200 |       | 1490                      | 1630  | µg/g  | 91.4             | 60 - 120 |       |
| 1-Butanol             | ND     | < 500 |       | 1610                      | 1600  | µg/g  | 100.6            | 70 - 130 |       |
| Propyl Acetate        | ND     | < 500 |       | 1420                      | 1600  | µg/g  | 88.8             | 70 - 130 |       |
| 1,4-Dioxane           | ND     | < 100 |       | 478                       | 523   | µg/g  | 91.4             | 60 - 120 |       |
| 2-Ethoxyethanol       | ND     | < 30  |       | 167                       | 179   | µg/g  | 93.3             | 60 - 120 |       |
| Methylisobutylketone  | ND     | < 500 |       | 1380                      | 1600  | µg/g  | 86.3             | 70 - 130 |       |
| 3-Methyl-1-butanol    | ND     | < 500 |       | 1350                      | 1600  | µg/g  | 84.4             | 70 - 130 |       |
| Ethylene Glycol       | ND     | < 200 |       | 314                       | 506   | µg/g  | 62.1             | 60 - 120 |       |
| Toluene               | ND     | < 100 |       | 427                       | 496   | µg/g  | 86.1             | 60 - 120 |       |
| Isobutyl Acetate      | ND     | < 500 |       | 1450                      | 1610  | µg/g  | 90.1             | 70 - 130 |       |
| 1-Pentanol            | ND     | < 500 |       | 1550                      | 1600  | µg/g  | 96.9             | 70 - 130 |       |
| Butyl Acetate         | ND     | < 500 |       | 1380                      | 1610  | µg/g  | 85.7             | 70 - 130 |       |
| Ethylbenzene          | ND     | < 200 |       | 778                       | 978   | µg/g  | 79.6             | 60 - 120 |       |
| m,p-Xylene            | ND     | < 200 |       | 772                       | 994   | µg/g  | 77.7             | 60 - 120 |       |
| o-Xylene              | ND     | < 200 |       | 760                       | 982   | µg/g  | 77.4             | 60 - 120 |       |
| Cumene                | ND     | < 30  |       | 134                       | 171   | µg/g  | 78.4             | 60 - 120 |       |
| Anisole               | ND     | < 500 |       | 1230                      | 1600  | µg/g  | 76.9             | 70 - 130 |       |
| DMSO                  | ND     | < 500 |       | 1400                      | 1620  | µg/g  | 86.4             | 70 - 130 |       |
| 1,2-dimethoxyethane   | ND     | < 50  |       | 169                       | 186   | µg/g  | 90.9             | 70 - 130 |       |
| Triethylamine         | ND     | < 500 |       | 1380                      | 1600  | µg/g  | 86.3             | 70 - 130 |       |
| N,N-dimethylformamide | ND     | < 150 |       | 431                       | 480   | µg/g  | 89.8             | 70 - 130 |       |
| N,N-dimethylacetamide | ND     | < 150 |       | 375                       | 483   | µg/g  | 77.6             | 70 - 130 |       |
| Pyridine              | ND     | < 50  |       | 139                       | 168   | µg/g  | 82.7             | 70 - 130 |       |
| Sulfone               | ND     | < 50  |       | 94.9                      | 161   | µg/g  | 58.9             | 70 - 130 | Q6    |
| 1,2-Dichloroethane    | ND     | < 1   |       | 1.01                      | 1     | µg/g  | 101.0            | 70 - 130 |       |
| Chloroform            | ND     | < 1   |       | 0.888                     | 1     | µg/g  | 88.8             | 70 - 130 |       |
| Trichloroethylene     | ND     | < 1   |       | 0.909                     | 1     | µg/g  | 90.9             | 70 - 130 |       |
| 1,1-Dichloroethane    | ND     | < 1   |       | 0.961                     | 1     | µg/g  | 96.1             | 70 - 130 |       |



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

QC- Sample Duplicate

| Analyte               | Result | Org. Result | LOQ Units           | RPD  | Limits | Accept/ Fail | Notes |
|-----------------------|--------|-------------|---------------------|------|--------|--------------|-------|
| Propane               | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Isobutane             | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Butane                | 349    | 398         | 200 $\mu\text{g/g}$ | 13.1 | < 20   | Acceptable   |       |
| 2,2-Dimethylpropane   | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Methanol              | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Ethylene Oxide        | ND     | ND          | 30 $\mu\text{g/g}$  | 0.0  | < 20   | Acceptable   |       |
| 2-Methylbutane        | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Pentane               | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Ethanol               | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Ethyl Ether           | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| 2,2-Dimethylbutane    | ND     | ND          | 30 $\mu\text{g/g}$  | 0.0  | < 20   | Acceptable   |       |
| Acetone               | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| 2-Propanol            | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Ethyl Formate         | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Acetonitrile          | ND     | ND          | 100 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Methyl Acetate        | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| 2,3-Dimethylbutane    | ND     | ND          | 30 $\mu\text{g/g}$  | 0.0  | < 20   | Acceptable   |       |
| Dichloromethane       | ND     | ND          | 60 $\mu\text{g/g}$  | 0.0  | < 20   | Acceptable   |       |
| 2-Methylpentane       | ND     | ND          | 30 $\mu\text{g/g}$  | 0.0  | < 20   | Acceptable   |       |
| MTBE                  | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| 3-Methylpentane       | ND     | ND          | 30 $\mu\text{g/g}$  | 0.0  | < 20   | Acceptable   |       |
| Hexane                | ND     | ND          | 30 $\mu\text{g/g}$  | 0.0  | < 20   | Acceptable   |       |
| 1-Propanol            | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Methylethylketone     | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Ethyl acetate         | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| 2-Butanol             | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Tetrahydrofuran       | ND     | ND          | 100 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Cyclohexane           | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| 2-methyl-1-propanol   | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Benzene               | ND     | ND          | 1 $\mu\text{g/g}$   | 0.0  | < 20   | Acceptable   |       |
| Isopropyl Acetate     | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Heptane               | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| 1-Butanol             | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Propyl Acetate        | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| 1,4-Dioxane           | ND     | ND          | 100 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| 2-Ethoxyethanol       | ND     | ND          | 30 $\mu\text{g/g}$  | 0.0  | < 20   | Acceptable   |       |
| Methylisobutylketone  | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| 3-Methyl-1-butanol    | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Ethylene Glycol       | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Toluene               | ND     | ND          | 100 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Isobutyl Acetate      | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| 1-Pentanol            | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Butyl Acetate         | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Ethylbenzene          | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| m,p-Xylene            | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| o-Xylene              | ND     | ND          | 200 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Cumene                | ND     | ND          | 30 $\mu\text{g/g}$  | 0.0  | < 20   | Acceptable   |       |
| Anisole               | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| DMSO                  | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| 1,2-dimethoxyethane   | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Triethylamine         | ND     | ND          | 500 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| N,N-dimethylformamide | ND     | ND          | 150 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| N,N-dimethylacetamide | ND     | ND          | 150 $\mu\text{g/g}$ | 0.0  | < 20   | Acceptable   |       |
| Pyridine              | ND     | ND          | 50 $\mu\text{g/g}$  | 0.0  | < 20   | Acceptable   |       |
| Sulfolane             | ND     | ND          | 50 $\mu\text{g/g}$  | 0.0  | < 20   | Acceptable   |       |
| 1,2-Dichloroethane    | ND     | ND          | 1 $\mu\text{g/g}$   | 0.0  | < 20   | Acceptable   |       |
| Chloroform            | ND     | ND          | 1 $\mu\text{g/g}$   | 0.0  | < 20   | Acceptable   |       |
| Trichloroethylene     | ND     | ND          | 1 $\mu\text{g/g}$   | 0.0  | < 20   | Acceptable   |       |
| 1,1-Dichloroethane    | ND     | ND          | 1 $\mu\text{g/g}$   | 0.0  | < 20   | Acceptable   |       |

Abbreviations

ND - None Detected at or above MRL  
RPD - Relative Percent Difference  
LOQ - Limit of Quantitation  
Q6 - Quality control outside QC limits. Data acceptable based on remaining QC.

Units of Measure:

$\mu\text{g/g}$  - Microgram per gram or ppm



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

Report Number:  
Report Date: 10/05/2023  
ORELAP#: OR100028  
Purchase Order:  
Received: 09/12/23 12:27

Revision: 4 Document ID: 7148  
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

JACAC2015 V986 Batch ID: 2310905

| Laboratory Control Sample |     |        |        |       |       |            |            |       |  |
|---------------------------|-----|--------|--------|-------|-------|------------|------------|-------|--|
| Analyte                   | LCS | Result | Spike  | Units | % Rec | Limits     | Evaluation | Notes |  |
| CBDVA                     | 2   | 0.0722 | 0.0713 | %     | 101   | 80.0 - 120 | Acceptable |       |  |
| CBDV                      | 2   | 0.0701 | 0.0722 | %     | 97.1  | 80.0 - 120 | Acceptable |       |  |
| CBE                       | 2   | 0.0778 | 0.0760 | %     | 102   | 80.0 - 120 | Acceptable |       |  |
| CBD                       | 1   | 0.0910 | 0.0837 | %     | 109   | 90.0 - 110 | Acceptable |       |  |
| CBGA                      | 1   | 0.0935 | 0.0849 | %     | 110   | 80.0 - 120 | Acceptable |       |  |
| CBG                       | 1   | 0.0967 | 0.0906 | %     | 107   | 80.0 - 120 | Acceptable |       |  |
| CBD                       | 1   | 0.0908 | 0.0877 | %     | 104   | 90.0 - 110 | Acceptable |       |  |
| THCV                      | 2   | 0.0473 | 0.0461 | %     | 103   | 80.0 - 120 | Acceptable |       |  |
| d8THCV                    | 2   | 0.0681 | 0.0636 | %     | 107   | 80.0 - 120 | Acceptable |       |  |
| THCVA                     | 2   | 0.0795 | 0.0709 | %     | 112   | 80.0 - 120 | Acceptable |       |  |
| CBN                       | 1   | 0.0919 | 0.0854 | %     | 108   | 80.0 - 120 | Acceptable |       |  |
| exo-THC                   | 2   | 0.0707 | 0.0698 | %     | 101   | 80.0 - 120 | Acceptable |       |  |
| d9THC                     | 1   | 0.0896 | 0.0888 | %     | 101   | 90.0 - 110 | Acceptable |       |  |
| d8THC                     | 1   | 0.0971 | 0.0903 | %     | 107   | 90.0 - 110 | Acceptable |       |  |
| 9S-d10THC                 | 1   | 0.0901 | 0.0883 | %     | 102   | 80.0 - 120 | Acceptable |       |  |
| CBL                       | 2   | 0.0742 | 0.0718 | %     | 103   | 80.0 - 120 | Acceptable |       |  |
| 9R-d10THC                 | 1   | 0.0307 | 0.0286 | %     | 107   | 80.0 - 120 | Acceptable |       |  |
| CBC                       | 2   | 0.0796 | 0.0772 | %     | 103   | 80.0 - 120 | Acceptable |       |  |
| THCA                      | 1   | 0.0892 | 0.0851 | %     | 105   | 90.0 - 110 | Acceptable |       |  |
| CBCA                      | 2   | 0.0784 | 0.0737 | %     | 106   | 80.0 - 120 | Acceptable |       |  |
| CBLA                      | 2   | 0.162  | 0.149  | %     | 109   | 80.0 - 120 | Acceptable |       |  |
| d9THCP                    | 2   | 0.0701 | 0.0730 | %     | 96.0  | 80.0 - 120 | Acceptable |       |  |
| CBT                       | 2   | 0.0673 | 0.0711 | %     | 94.7  | 80.0 - 120 | Acceptable |       |  |

| Method Blank |        |         |       |           |            |       |
|--------------|--------|---------|-------|-----------|------------|-------|
| Analyte      | Result | LOQ     | Units | Limits    | Evaluation | Notes |
| CBDVA        | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| CBDV         | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| CBE          | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| CBD          | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| CBGA         | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| CBG          | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| CBD          | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| THCV         | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| d8THCV       | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| THCVA        | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| CBN          | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| exo-THC      | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| d9THC        | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| d8THC        | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| 9S-d10THC    | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| CBL          | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| 9R-d10THC    | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| CBC          | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| THCA         | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| CBCA         | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| CBLA         | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| d9THCP       | <LOQ   | 0.00729 | %     | < 0.00729 | Acceptable |       |
| CBT          | <LOQ   | 0.00729 | %     | < 0.00729 | 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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Revision: 4 Document ID: 7148  
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

| JAOAC2015 V986   |        | Batch ID: 2310905        |        |       |       |        |            |       |
|------------------|--------|--------------------------|--------|-------|-------|--------|------------|-------|
| Sample Duplicate |        | Sample ID: 23-0108310003 |        |       |       |        |            |       |
| Analyte          | Result | Org. Result              | LOQ    | Units | RPD   | Limits | Evaluation | Notes |
| CBDVA            | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| CBDV             | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| CBE              | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| CBD              | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| CBGA             | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| CBG              | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| CBD              | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| THCV             | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| d8THCV           | 0.265  | 0.264                    | 0.0732 | %     | 0.450 | < 20   | Acceptable |       |
| THCVA            | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| CBN              | 0.108  | 0.105                    | 0.0732 | %     | 2.90  | < 20   | Acceptable |       |
| exo-THC          | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| d9THC            | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| d8THC            | 71.0   | 72.1                     | 0.0732 | %     | 1.48  | < 20   | Acceptable |       |
| 9S-d10THC        | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| CBL              | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| 9R-d10THC        | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| CBC              | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| THCA             | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| CBGA             | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| CBLA             | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| d9THCP           | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | Acceptable |       |
| CBY              | <LOQ   | <LOQ                     | 0.0732 | %     | NA    | < 20   | 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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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.                      |