



### 0729 CBD Isolate

Sample ID: G9I0031-01

Matrix: Extracts and

Test ID: 1011216

Source ID:

Date Sampled: 09/03/19

Date Accepted: 09/03/19

### Results at a Glance

Total THC : <LOQ (0.1577%) %

Total CBD : 99.56 %

Pesticides : PASS

Residual Solvent Analysis : PASS

Eric Wendt  
Chief Science Officer - 9/9/2019



### 0729 CBD Isolate

Sample ID: G9I0031-01

Matrix: Extracts and

Test ID: 1011216

Source ID:

Date Sampled: 09/03/19

Date Accepted: 09/03/19

### Potency Analysis

Date/Time Extracted: 09/05/19 10:39

Analysis Method/SOP: 215

Batch Identification: 1936032

| Cannabinoids              | LOQ (%) | % by Wt. | mg/g  | Cannabinoids Profile                 |
|---------------------------|---------|----------|-------|--------------------------------------|
| Total THC                 | 0.1577  | < LOQ    | < LOQ | <p>Legend: CBD 99.6, Total: 99.6</p> |
| Total CBD                 | 0.0431  | 99.56    | 995.6 |                                      |
| THCA                      | 0.0607  | < LOQ    | < LOQ |                                      |
| delta 9-THC               | 0.1577  | < LOQ    | < LOQ |                                      |
| delta 8-THC               | 0.0934  | < LOQ    | < LOQ |                                      |
| THCV                      | 0.1052  | < LOQ    | < LOQ |                                      |
| THCVA                     | 0.0392  | < LOQ    | < LOQ |                                      |
| CBD                       | 0.0324  | 99.56    | 995.6 |                                      |
| CBDA                      | 0.0431  | < LOQ    | < LOQ |                                      |
| CBDV                      | 0.1040  | < LOQ    | < LOQ |                                      |
| CBDVA                     | 0.0341  | < LOQ    | < LOQ |                                      |
| CBN                       | 0.0622  | < LOQ    | < LOQ |                                      |
| CBG                       | 0.0164  | < LOQ    | < LOQ |                                      |
| CBGA                      | 0.0164  | < LOQ    | < LOQ |                                      |
| CBC                       | 0.1864  | < LOQ    | < LOQ |                                      |
| <b>Total Cannabinoids</b> |         | 99.56    | 995.6 |                                      |

Total THC = delta 9-THC + (THCA \* 0.877)

Total CBD = CBD + (CBDA \* 0.877)

For Potency only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes.

Water Activity Action Level is 0.65. Results above 0.65 fail state testing requirements and will be highlighted Red.

Eric Wendt  
Chief Science Officer - 9/9/2019



### 0729 CBD Isolate

Sample ID: G9I0031-01

Matrix: Extracts and

Test ID: 1011216

Source ID:

Date Sampled: 09/03/19

Date Accepted: 09/03/19

### Pesticide Analysis in ppm

Date/Time Extracted: 09/05/19 10:25

Analysis Method/SOP: 202

| Analyte           | Result | Action Level | LOD | LOQ  | Units | Analyte             | Result | Action Level | LOD | LOQ  | Units |
|-------------------|--------|--------------|-----|------|-------|---------------------|--------|--------------|-----|------|-------|
| Abamectin         | < LOQ  | 0.5          |     | 0.4  | ppm   | Acephate            | < LOQ  | 0.4          |     | 0.06 | ppm   |
| Acequinocyl       | < LOQ  | 2            |     | 0.4  | ppm   | Acetamiprid         | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Aldicarb          | < LOQ  | 0.4          |     | 0.06 | ppm   | Azoxystrobin        | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Bifenazate        | < LOQ  | 0.2          |     | 0.06 | ppm   | Bifenthrin          | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Boscalid          | < LOQ  | 0.4          |     | 0.06 | ppm   | Carbaryl            | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Carbofuran        | < LOQ  | 0.2          |     | 0.06 | ppm   | Chlorantraniliprole | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Chlorfenapyr      | < LOQ  | 1            |     | 0.4  | ppm   | Chlorpyrifos        | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Clofentezine      | < LOQ  | 0.2          |     | 0.06 | ppm   | Cyfluthrin          | < LOQ  | 1            |     | 0.1  | ppm   |
| Cypermethrin      | < LOQ  | 1            |     | 0.4  | ppm   | Daminozide          | < LOQ  | 1            |     | 0.06 | ppm   |
| DDVP (Dichlorvos) | < LOQ  | 1            |     | 0.06 | ppm   | Diazinon            | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Dimethoate        | < LOQ  | 0.2          |     | 0.06 | ppm   | Ethoprophos         | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Etofenprox        | < LOQ  | 0.4          |     | 0.06 | ppm   | Etoxazole           | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Fenoxycarb        | < LOQ  | 0.2          |     | 0.06 | ppm   | Fenpyroximate       | < LOQ  | 0.4          |     | 0.06 | ppm   |
| Fipronil          | < LOQ  | 0.4          |     | 0.1  | ppm   | Flonicamid          | < LOQ  | 1            |     | 0.06 | ppm   |
| Fludioxonil       | < LOQ  | 0.4          |     | 0.06 | ppm   | Hexythiazox         | < LOQ  | 1            |     | 0.1  | ppm   |
| Imazalil          | < LOQ  | 0.2          |     | 0.06 | ppm   | Imidacloprid        | < LOQ  | 0.4          |     | 0.06 | ppm   |
| Kresoxim-methyl   | < LOQ  | 0.4          |     | 0.1  | ppm   | Malathion           | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Metalaxyl         | < LOQ  | 0.2          |     | 0.06 | ppm   | Methiocarb          | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Methomyl          | < LOQ  | 0.4          |     | 0.06 | ppm   | Methyl parathion    | < LOQ  | 0.2          |     | 0.06 | ppm   |
| MGK-264           | < LOQ  | 0.2          |     | 0.06 | ppm   | Myclobutanil        | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Naled             | < LOQ  | 0.5          |     | 0.06 | ppm   | Oxamyl              | < LOQ  | 1            |     | 0.06 | ppm   |
| Paclobutrazol     | < LOQ  | 0.4          |     | 0.06 | ppm   | Permethrins         | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Phosmet           | < LOQ  | 0.2          |     | 0.06 | ppm   | Piperonyl butoxide  | < LOQ  | 2            |     | 0.06 | ppm   |
| Prallethrin       | < LOQ  | 0.2          |     | 0.06 | ppm   | Propiconazole       | < LOQ  | 0.4          |     | 0.06 | ppm   |
| Propoxur          | < LOQ  | 0.2          |     | 0.06 | ppm   | Pyrethrins          | < LOQ  | 1            |     | 0.06 | ppm   |
| Pyridaben         | < LOQ  | 0.2          |     | 0.06 | ppm   | Spinosad            | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Spiromesifen      | < LOQ  | 0.2          |     | 0.06 | ppm   | Spirotetramat       | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Spiroxamine       | < LOQ  | 0.4          |     | 0.06 | ppm   | Tebuconazole        | < LOQ  | 0.4          |     | 0.06 | ppm   |
| Thiacloprid       | < LOQ  | 0.2          |     | 0.06 | ppm   | Thiamethoxam        | < LOQ  | 0.2          |     | 0.06 | ppm   |
| Trifloxystrobin   | < LOQ  | 0.2          |     | 0.06 | ppm   |                     |        |              |     |      |       |

ND - Compound not detected

Results above the Action Level fail state testing requirements and will be highlighted **Red**.

Eric Wendt  
Chief Science Officer - 9/9/2019



### 0729 CBD Isolate

Sample ID: G9I0031-01

Matrix: Extracts and

Test ID: 1011216

Source ID:

Date Sampled: 09/03/19

Date Accepted: 09/03/19

### Residual Solvents

Date/Time Extracted: 09/06/19 08:00

Analysis Method/SOP: 205

| Analyte           | Result | Action Level | LOD | LOQ    | Units |
|-------------------|--------|--------------|-----|--------|-------|
| 1,4-Dioxane       | < LOQ  | 380          |     | 50.00  | ppm   |
| 2-Butanol         | < LOQ  | 5000         |     | 1000   | ppm   |
| 2-Ethoxyethanol   | < LOQ  | 160          |     | 50.00  | ppm   |
| 2-Propanol (IPA)  | < LOQ  | 5000         |     | 1000   | ppm   |
| Acetone           | < LOQ  | 5000         |     | 1000   | ppm   |
| Acetonitrile      | < LOQ  | 410          |     | 50.00  | ppm   |
| Benzene           | < LOQ  | 2            |     | 0.5000 | ppm   |
| Butanes           | < LOQ  | 5000         |     | 1000   | ppm   |
| Cumene            | < LOQ  | 70           |     | 50.00  | ppm   |
| Cyclohexane       | < LOQ  | 3880         |     | 50.00  | ppm   |
| Dichloromethane   | < LOQ  | 600          |     | 50.00  | ppm   |
| Ethyl acetate     | < LOQ  | 5000         |     | 1000   | ppm   |
| Ethyl benzene     | < LOQ  | 2170         |     | 50.00  | ppm   |
| Ethyl ether       | < LOQ  | 5000         |     | 1000   | ppm   |
| Ethylene glycol   | < LOQ  | 620          |     | 50.00  | ppm   |
| Ethylene oxide    | < LOQ  | 50           |     | 50.00  | ppm   |
| Heptane           | < LOQ  | 5000         |     | 1000   | ppm   |
| Hexanes           | < LOQ  | 290          |     | 50.00  | ppm   |
| Isopropyl acetate | < LOQ  | 5000         |     | 1000   | ppm   |
| Methanol          | < LOQ  | 3000         |     | 1000   | ppm   |
| Pentanes          | < LOQ  | 5000         |     | 1000   | ppm   |
| Propane           | < LOQ  | 5000         |     | 1000   | ppm   |
| Tetrahydrofuran   | < LOQ  | 720          |     | 50.00  | ppm   |
| Toluene           | < LOQ  | 890          |     | 50.00  | ppm   |
| Xylenes           | < LOQ  | 2170         |     | 50.00  | ppm   |

<LOQ - Results below the Limit of Quantitation

Results above the Action Level fail state testing requirements and will be highlighted **Red**.

Eric Wendt  
Chief Science Officer - 9/9/2019



### Quality Control Potency

Batch: 1936032 - 215-Concentrates

| Blank(1936032-BLK1) |        |        |       |                  |                |                |
|---------------------|--------|--------|-------|------------------|----------------|----------------|
| Analyte             | Result | LOQ    | Units | %Recovery Limits | Extracted      | Analyzed       |
| THCA                | < LOQ  | 0.0607 | %     |                  | 09/05/19 10:39 | 09/05/19 18:14 |
| delta 9-THC         | < LOQ  | 0.1577 | %     |                  | 09/05/19 10:39 | 09/05/19 18:14 |
| delta 8-THC         | < LOQ  | 0.0934 | %     |                  | 09/05/19 10:39 | 09/05/19 18:14 |
| THCV                | < LOQ  | 0.1052 | %     |                  | 09/05/19 10:39 | 09/05/19 18:14 |
| THCVA               | < LOQ  | 0.0392 | %     |                  | 09/05/19 10:39 | 09/05/19 18:14 |
| CBD                 | < LOQ  | 0.0324 | %     |                  | 09/05/19 10:39 | 09/05/19 18:14 |
| CBDA                | < LOQ  | 0.0431 | %     |                  | 09/05/19 10:39 | 09/05/19 18:14 |
| CBDV                | < LOQ  | 0.1040 | %     |                  | 09/05/19 10:39 | 09/05/19 18:14 |
| CBDVA               | < LOQ  | 0.0341 | %     |                  | 09/05/19 10:39 | 09/05/19 18:14 |
| CBN                 | < LOQ  | 0.0622 | %     |                  | 09/05/19 10:39 | 09/05/19 18:14 |
| CBG                 | < LOQ  | 0.0164 | %     |                  | 09/05/19 10:39 | 09/05/19 18:14 |
| CBGA                | < LOQ  | 0.0164 | %     |                  | 09/05/19 10:39 | 09/05/19 18:14 |
| CBC                 | < LOQ  | 0.1864 | %     |                  | 09/05/19 10:39 | 09/05/19 18:14 |

| Reference(1936032-SRM1) |            |        |       |                  |                |                |
|-------------------------|------------|--------|-------|------------------|----------------|----------------|
| Analyte                 | % Recovery | LOQ    | Units | %Recovery Limits | Extracted      | Analyzed       |
| THCA                    | 97.5       | 0.0290 | %     | 80-120           | 09/05/19 10:39 | 09/05/19 18:36 |
| delta 9-THC             | 104        | 0.0754 | %     | 80-120           | 09/05/19 10:39 | 09/05/19 18:36 |
| CBD                     | 103        | 0.0155 | %     | 80-120           | 09/05/19 10:39 | 09/05/19 18:36 |
| CBDA                    | 103        | 0.0206 | %     | 80-120           | 09/05/19 10:39 | 09/05/19 18:36 |

### Pesticide Analysis

Batch: 1936029 - 202

| Blank(1936029-BLK1) |        |      |       |                  |                |                |
|---------------------|--------|------|-------|------------------|----------------|----------------|
| Analyte             | Result | LOQ  | Units | %Recovery Limits | Extracted      | Analyzed       |
| Abamectin           | < LOQ  | 0.4  | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| DDVP (Dichlorvos)   | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 22:45 |
| Acephate            | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Acequinocyl         | < LOQ  | 0.4  | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Acetamiprid         | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Aldicarb            | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Azoxystrobin        | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Bifenazate          | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Bifenthrin          | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 22:45 |
| Boscalid            | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 22:45 |
| Carbaryl            | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Carbofuran          | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Chlorantraniliprole | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Chlorfenapyr        | < LOQ  | 0.4  | ppm   |                  | 09/05/19 10:25 | 09/05/19 22:45 |

Eric Wendt  
Chief Science Officer - 9/9/2019



### Quality Control Pesticide Analysis (Continued)

Batch: 1936029 - 202 (Continued)

| Blank(1936029-BLK1) |        |      |       |                  |                |                |
|---------------------|--------|------|-------|------------------|----------------|----------------|
| Analyte             | Result | LOQ  | Units | %Recovery Limits | Extracted      | Analyzed       |
| Chlorpyrifos        | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Clofentezine        | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Cyfluthrin          | < LOQ  | 0.1  | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Cypermethrin        | < LOQ  | 0.4  | ppm   |                  | 09/05/19 10:25 | 09/05/19 22:45 |
| Daminozide          | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Diazinon            | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Dimethoate          | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Ethoprophos         | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Etofenprox          | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Etoxazole           | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Fenoxycarb          | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Fenpyroximate       | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Fipronil            | < LOQ  | 0.1  | ppm   |                  | 09/05/19 10:25 | 09/05/19 22:45 |
| Flonicamid          | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Fludioxonil         | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Hexythiazox         | < LOQ  | 0.1  | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Imazalil            | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Imidacloprid        | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Kresoxim-methyl     | < LOQ  | 0.1  | ppm   |                  | 09/05/19 10:25 | 09/05/19 22:45 |
| Malathion           | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Metalaxyl           | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Methiocarb          | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Methomyl            | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Methyl parathion    | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 22:45 |
| MGK-264             | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 22:45 |
| Myclobutanil        | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Naled               | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Oxamyl              | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Paclobutrazol       | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Permethrins         | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 22:45 |
| Phosmet             | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Piperonyl butoxide  | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Prallethrin         | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Propiconazole       | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 22:45 |
| Propoxur            | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Pyrethrins          | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Pyridaben           | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Spinosad            | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |

Eric Wendt  
Chief Science Officer - 9/9/2019





### Quality Control Pesticide Analysis (Continued)

Batch: 1936029 - 202 (Continued)

#### Blank(1936029-BLK1)

| Analyte         | Result | LOQ  | Units | %Recovery Limits | Extracted      | Analyzed       |
|-----------------|--------|------|-------|------------------|----------------|----------------|
| Spiromesifen    | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Spirotetramat   | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Spiroxamine     | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Tebuconazole    | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Thiacloprid     | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Thiamethoxam    | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |
| Trifloxystrobin | < LOQ  | 0.06 | ppm   |                  | 09/05/19 10:25 | 09/05/19 18:32 |

#### LCS(1936029-BS1)

| Analyte             | % Recovery | LOQ  | Units | %Recovery Limits | Extracted      | Analyzed       |
|---------------------|------------|------|-------|------------------|----------------|----------------|
| Abamectin           | 89.7       | 0.4  | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| DDVP (Dichlorvos)   | 78.5       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 23:07 |
| Acephate            | 87.6       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Acequinocyl         | 13.3       | 0.4  | ppm   | 5.57-33.8        | 09/05/19 10:25 | 09/05/19 18:56 |
| Acetamiprid         | 96.5       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Aldicarb            | 102        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Azoxystrobin        | 103        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Bifenazate          | 98.4       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Bifenthrin          | 97.2       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 23:07 |
| Boscalid            | 90.5       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 23:07 |
| Carbaryl            | 89.2       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Carbofuran          | 102        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Chlorantraniliprole | 82.4       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Chlorfenapyr        | 73.2       | 0.4  | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 23:07 |
| Chlorpyrifos        | 91.7       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Clofentezine        | 20.2       | 0.06 | ppm   | 14.4-62.3        | 09/05/19 10:25 | 09/05/19 18:56 |
| Cyfluthrin          | 104        | 0.1  | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Cypermethrin        | 114        | 0.4  | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 23:07 |
| Daminozide          | 59.3       | 0.06 | ppm   | 0-100            | 09/05/19 10:25 | 09/05/19 18:56 |
| Diazinon            | 97.3       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Dimethoate          | 101        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Ethoprophos         | 94.2       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Etofenprox          | 94.7       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Etoxazole           | 99.7       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Fenoxycarb          | 107        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Fenpyroximate       | 81.2       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Fipronil            | 89.2       | 0.1  | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 23:07 |
| Fonicamid           | 105        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Fludioxonil         | 92.8       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |

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### Quality Control Pesticide Analysis (Continued)

Batch: 1936029 - 202 (Continued)

| LCS(1936029-BS1)   |            |      |       |                  |                |                |
|--------------------|------------|------|-------|------------------|----------------|----------------|
| Analyte            | % Recovery | LOQ  | Units | %Recovery Limits | Extracted      | Analyzed       |
| Hexythiazox        | 103        | 0.1  | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Imazalil           | 101        | 0.06 | ppm   | 57.9-96.4        | 09/05/19 10:25 | 09/05/19 18:56 |
| Imidacloprid       | 102        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Kresoxim-methyl    | 95.8       | 0.1  | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 23:07 |
| Malathion          | 92.6       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Metalaxyl          | 98.7       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Methiocarb         | 87.5       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Methomyl           | 103        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Methyl parathion   | 80.6       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 23:07 |
| MGK-264            | 89.0       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 23:07 |
| Myclobutanil       | 116        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Naled              | 67.9       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Oxamyl             | 101        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Paclobutrazol      | 107        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Permethrins        | 80.4       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 23:07 |
| Phosmet            | 84.7       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Piperonyl butoxide | 99.6       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Prallethrin        | 109        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Propiconazole      | 93.1       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 23:07 |
| Propoxur           | 102        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Pyrethrins         | 129        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Pyridaben          | 103        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Spinosad           | 96.1       | 0.06 | ppm   | 51-86            | 09/05/19 10:25 | 09/05/19 18:56 |
| Spiromesifen       | 103        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Spirotetramat      | 95.2       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Spiroxamine        | 61.5       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Tebuconazole       | 110        | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Thiacloprid        | 98.0       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Thiamethoxam       | 99.3       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |
| Trifloxystrobin    | 99.1       | 0.06 | ppm   | 70-130           | 09/05/19 10:25 | 09/05/19 18:56 |

### Solvent Analysis

Batch: 1936039 - 205

| Blank(1936039-BLK1) |        |        |       |                  |                |                |
|---------------------|--------|--------|-------|------------------|----------------|----------------|
| Analyte             | Result | LOQ    | Units | %Recovery Limits | Extracted      | Analyzed       |
| Acetone             | < LOQ  | 1000   | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Acetonitrile        | < LOQ  | 50.00  | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Benzene             | 1.200  | 0.5000 | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |

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### Quality Control Solvent Analysis (Continued)

Batch: 1936039 - 205 (Continued)

| Blank(1936039-BLK1) |        |       |       |                  |                |                |
|---------------------|--------|-------|-------|------------------|----------------|----------------|
| Analyte             | Result | LOQ   | Units | %Recovery Limits | Extracted      | Analyzed       |
| Butanes             | < LOQ  | 1000  | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| 2-Butanol           | < LOQ  | 1000  | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Cumene              | < LOQ  | 50.00 | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Cyclohexane         | < LOQ  | 50.00 | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Dichloromethane     | < LOQ  | 50.00 | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| 1,4-Dioxane         | < LOQ  | 50.00 | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| 2-Ethoxyethanol     | < LOQ  | 50.00 | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Ethyl acetate       | < LOQ  | 1000  | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Ethyl benzene       | < LOQ  | 50.00 | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Ethylene glycol     | < LOQ  | 50.00 | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Ethylene oxide      | < LOQ  | 50.00 | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Ethyl ether         | < LOQ  | 1000  | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Heptane             | < LOQ  | 1000  | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Hexanes             | < LOQ  | 50.00 | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Isopropyl acetate   | < LOQ  | 1000  | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Methanol            | < LOQ  | 1000  | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Pentanes            | < LOQ  | 1000  | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Propane             | < LOQ  | 1000  | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| 2-Propanol (IPA)    | < LOQ  | 1000  | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Tetrahydrofuran     | < LOQ  | 50.00 | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Toluene             | < LOQ  | 50.00 | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |
| Xylenes             | < LOQ  | 50.00 | ppm   |                  | 09/06/19 08:00 | 09/07/19 05:00 |

| LCS(1936039-BS1) |            |        |       |                  |                |                |
|------------------|------------|--------|-------|------------------|----------------|----------------|
| Analyte          | % Recovery | LOQ    | Units | %Recovery Limits | Extracted      | Analyzed       |
| Acetone          | 97.9       | 1000   | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Acetonitrile     | 100        | 50.00  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Benzene          | 95.0       | 0.5000 | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| n-Butane         | 91.8       | 1000   | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Butanes          | 91.4       | 1000   | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| 2-Butanol        | 96.2       | 1000   | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Cumene           | 84.2       | 50.00  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Cyclohexane      | 92.5       | 50.00  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Dichloromethane  | 99.5       | 50.00  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| 1,4-Dioxane      | 95.1       | 50.00  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| 2-Ethoxyethanol  | 87.2       | 50.00  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Ethyl acetate    | 94.4       | 1000   | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Ethyl benzene    | 89.7       | 50.00  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Ethylene glycol  | 96.0       | 50.00  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |

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### Quality Control Solvent Analysis (Continued)

Batch: 1936039 - 205 (Continued)

| LCS(1936039-BS1)  |            |       |       |                  |                |                |
|-------------------|------------|-------|-------|------------------|----------------|----------------|
| Analyte           | % Recovery | LOQ   | Units | %Recovery Limits | Extracted      | Analyzed       |
| Ethylene oxide    | 98.2       | 50.00 | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Ethyl ether       | 97.5       | 1000  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Heptane           | 102        | 1000  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| n-Hexane          | 91.1       | 50.00 | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Hexanes           | 91.0       | 50.00 | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| iso-Butane        | 91.1       | 1000  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Isopropyl acetate | 94.7       | 1000  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| iso-Pentane       | 97.4       | 1000  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Methanol          | 96.7       | 1000  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| 2-Methylpentane   | 88.7       | 50.00 | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| 3-Methylpentane   | 92.1       | 50.00 | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| neo-Pentane       | 91.9       | 1000  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| n-Pentane         | 91.7       | 1000  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Pentanes          | 93.7       | 1000  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Propane           | 78.0       | 1000  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| 2-Propanol (IPA)  | 101        | 1000  | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Tetrahydrofuran   | 101        | 50.00 | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |
| Toluene           | 90.7       | 50.00 | ppm   | 70-130           | 09/06/19 08:00 | 09/07/19 02:35 |

Eric Wendt  
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