



CBGA-WR

Sample ID: G0A0213-01

Matrix: Extracts & Concentrates

Test ID: 5000867

Source ID: 191231

Date Sampled: 01/15/20

Date Accepted: 01/15/20

PharmEx LLC

Results at a Glance

Total THC : <LOQ (0.1577%) %

Total CBD : 0.5497 %

Pesticides : PASS

Residual Solvent Analysis : PASS



Eric Wendt
Chief Science Officer - 1/20/2020

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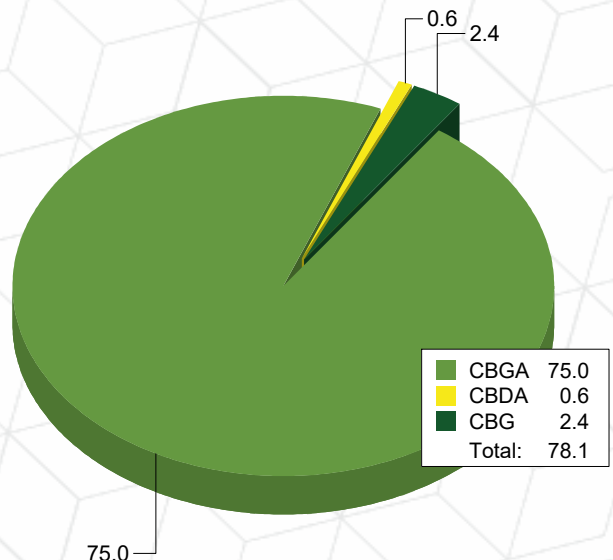
Potency Analysis

Date/Time Extracted: 01/16/20 10:41

Analysis Method/SOP: 215

Batch Identification: 2003050

| Cannabinoids | LOQ (%) | % by Wt. | mg/g | Cannabinoids Profile |
|---------------------------|---------|--------------|--------------|----------------------|
| Total THC | 0.1577 | < LOQ | < LOQ | |
| Total CBD | 0.0431 | 0.5497 | 5.497 | |
| THCA | 0.0607 | < LOQ | < LOQ | |
| delta 9-THC | 0.1577 | < LOQ | < LOQ | |
| delta 8-THC | 0.0934 | < LOQ | < LOQ | |
| Exo-THC | 0.0217 | < LOQ | < LOQ | |
| THCV | 0.1052 | < LOQ | < LOQ | |
| THCVA | 0.0392 | < LOQ | < LOQ | |
| CBD | 0.0324 | < LOQ | < LOQ | |
| CBDA | 0.0431 | 0.6268 | 6.268 | |
| CBDV | 0.1040 | < LOQ | < LOQ | |
| CBDVA | 0.0341 | < LOQ | < LOQ | |
| CBN | 0.0622 | < LOQ | < LOQ | |
| CBG | 0.0164 | 2.395 | 23.95 | |
| CBGA | 0.0164 | 75.05 | 750.5 | |
| CBC | 0.1864 | < LOQ | < LOQ | |
| Total Cannabinoids | | 78.24 | 782.4 | |



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

Total CBD = CBD + (CBDA * 0.877)

LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



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LABORATORY

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Chief Science Officer - 1/20/2020

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Matrix: Extracts & Concentrates

Test ID: 5000867

Source ID: 191231

Date Sampled: 01/15/20

Date Accepted: 01/15/20

PharmEx LLC

Pesticide Analysis in ppm

Date/Time Extracted: 01/17/20 12:49

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 |
| Chlorpyrifos | < LOQ | 0.2 | | 0.06 | ppm | Clofentezine | < LOQ | 0.2 | | 0.06 | ppm |
| Cyfluthrin | < LOQ | 1 | | 0.06 | 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 |
| 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 |
| 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 | | 0.9 | 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**.



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Chief Science Officer - 1/20/2020

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Test ID: 5000867

Source ID: 191231

Date Sampled: 01/15/20

Date Accepted: 01/15/20

PharmEx LLC

Residual Solvents

Date/Time Extracted: 01/16/20 11:21

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 | | 80.00 | ppm |
| 2-Propanol (IPA) | < LOQ | 5000 | | 1000 | ppm |
| Acetone | < LOQ | 5000 | | 1000 | ppm |
| Acetonitrile | < LOQ | 410 | | 50.00 | ppm |
| Benzene | < LOQ | 2 | | 1.000 | ppm |
| Butanes | < LOQ | 5000 | | 1000 | ppm |
| Cumene | < LOQ | 70 | | 35.00 | ppm |
| Cyclohexane | < LOQ | 3880 | | 50.00 | ppm |
| Dichloromethane | < LOQ | 600 | | 50.00 | ppm |
| Ethyl acetate | < LOQ | 5000 | | 1000 | ppm |
| Ethyl benzene | < LOQ | 2170 | | 35.00 | ppm |
| Ethyl ether | < LOQ | 5000 | | 1000 | ppm |
| Ethylene glycol | < LOQ | 620 | | 310.0 | ppm |
| Ethylene oxide | < LOQ | 50 | | 25.00 | ppm |
| Heptane | < LOQ | 5000 | | 1000 | ppm |
| Hexanes | < LOQ | 290 | | 50.00 | ppm |
| Isopropyl acetate | < LOQ | 5000 | | 1000 | ppm |
| Methanol | < LOQ | 3000 | | 1000 | ppm |
| Pentanes | < LOQ | 5000 | | 1000 | ppm |
| Propane | < LOQ | 5000 | | 1000 | ppm |
| Tetrahydrofuran | < LOQ | 720 | | 50.00 | ppm |
| Toluene | < LOQ | 890 | | 50.00 | ppm |
| Xylenes | < LOQ | 2170 | | 50.00 | ppm |

<LOQ - Results below the Limit of Quantitation

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



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Quality Control Potency

Batch: 2003050 - 215-Concentrates

| Blank(2003050-BLK1) | | | | | | |
|---------------------|--------|--------|-------|------------------|----------------|----------------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| THCA | < LOQ | 0.0607 | % | | 01/16/20 10:41 | 01/16/20 23:25 |
| delta 9-THC | < LOQ | 0.1577 | % | | 01/16/20 10:41 | 01/16/20 23:25 |
| delta 8-THC | < LOQ | 0.0934 | % | | 01/16/20 10:41 | 01/16/20 23:25 |
| Exo-THC | < LOQ | 0.0217 | % | | 01/16/20 10:41 | 01/16/20 23:25 |
| THCV | < LOQ | 0.1052 | % | | 01/16/20 10:41 | 01/16/20 23:25 |
| THCVA | < LOQ | 0.0392 | % | | 01/16/20 10:41 | 01/16/20 23:25 |
| CBD | < LOQ | 0.0324 | % | | 01/16/20 10:41 | 01/16/20 23:25 |
| CBDA | < LOQ | 0.0431 | % | | 01/16/20 10:41 | 01/16/20 23:25 |
| CBDV | < LOQ | 0.1040 | % | | 01/16/20 10:41 | 01/16/20 23:25 |
| CBDVA | < LOQ | 0.0341 | % | | 01/16/20 10:41 | 01/16/20 23:25 |
| CBN | < LOQ | 0.0622 | % | | 01/16/20 10:41 | 01/16/20 23:25 |
| CBG | < LOQ | 0.0164 | % | | 01/16/20 10:41 | 01/16/20 23:25 |
| CBGA | < LOQ | 0.0164 | % | | 01/16/20 10:41 | 01/16/20 23:25 |
| CBC | < LOQ | 0.1864 | % | | 01/16/20 10:41 | 01/16/20 23:25 |

| Reference(2003050-SRM1) | | | | | | |
|-------------------------|------------|--------|-------|------------------|----------------|----------------|
| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| THCA | 98.6 | 0.0301 | % | 80-120 | 01/16/20 10:41 | 01/16/20 23:48 |
| delta 9-THC | 104 | 0.0781 | % | 80-120 | 01/16/20 10:41 | 01/16/20 23:48 |
| CBD | 101 | 0.0160 | % | 80-120 | 01/16/20 10:41 | 01/16/20 23:48 |
| CBDA | 98.7 | 0.0214 | % | 80-120 | 01/16/20 10:41 | 01/16/20 23:48 |

Pesticide Analysis

Batch: 2003073 - 202

| Blank(2003073-BLK1) | | | | | | |
|---------------------|--------|------|-------|------------------|----------------|----------------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| Abamectin | < LOQ | 0.4 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| DDVP (Dichlorvos) | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/18/20 00:23 |
| Acephate | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Acequinocyl | < LOQ | 0.4 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Acetamiprid | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Aldicarb | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Azoxystrobin | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Bifenazate | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Bifenthrin | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/18/20 00:23 |
| Boscalid | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/18/20 00:23 |
| Carbaryl | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Carbofuran | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Chlorantraniliprole | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |



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Quality Control Pesticide Analysis (Continued)

Batch: 2003073 - 202 (Continued)

| Blank(2003073-BLK1) | | | | | | |
|---------------------|--------|------|-------|------------------|----------------|----------------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| Chlorfenapyr | < LOQ | 0.4 | ppm | | 01/17/20 12:49 | 01/18/20 00:23 |
| Chlorpyrifos | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Chlorpyrifos | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/18/20 00:23 |
| Clofentezine | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Daminozide | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Cyfluthrin | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/18/20 00:23 |
| Diazinon | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Cypermethrin | < LOQ | 0.4 | ppm | | 01/17/20 12:49 | 01/18/20 00:23 |
| Dimethoate | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Ethoprophos | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Etofenprox | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Etoxazole | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Fenoxycarb | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Fenpyroximate | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Flonicamid | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Fludioxonil | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Hexythiazox | < LOQ | 0.1 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Imazalil | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Fipronil | < LOQ | 0.1 | ppm | | 01/17/20 12:49 | 01/18/20 00:23 |
| Imidacloprid | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Malathion | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Fludioxonil | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/18/20 00:23 |
| Metalaxyl | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Methiocarb | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Methomyl | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Myclobutanil | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Kresoxim-methyl | < LOQ | 0.1 | ppm | | 01/17/20 12:49 | 01/18/20 00:23 |
| Naled | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Malathion | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/18/20 00:23 |
| Oxamyl | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Paclobutrazol | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Methyl parathion | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/18/20 00:23 |
| MGK-264 | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/18/20 00:23 |
| Phosmet | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Piperonyl butoxide | < LOQ | 0.9 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Prallethrin | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Propoxur | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Permethrins | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/18/20 00:23 |



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Quality Control Pesticide Analysis (Continued)

Batch: 2003073 - 202 (Continued)

| Blank(2003073-BLK1) | | | | | | |
|---------------------|--------|------|-------|------------------|----------------|----------------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| Pyrethrins | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Pyridaben | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Propiconazole | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/18/20 00:23 |
| Spinosad | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Spiromesifen | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Spirotetramat | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Spiroxamine | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Tebuconazole | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Thiacloprid | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Thiamethoxam | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |
| Trifloxystrobin | < LOQ | 0.06 | ppm | | 01/17/20 12:49 | 01/17/20 18:27 |

| LCS(2003073-BS1) | | | | | | |
|---------------------|------------|------|-------|------------------|----------------|----------------|
| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| Abamectin | 69.1 | 0.4 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| DDVP (Dichlorvos) | 103 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/18/20 00:45 |
| Acephate | 104 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Acequinocyl | 31.0 | 0.4 | ppm | 5.57-33.8 | 01/17/20 12:49 | 01/17/20 18:50 |
| Acetamiprid | 108 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Aldicarb | 110 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Azoxystrobin | 104 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Bifenazate | 106 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Bifenthrin | 99.5 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/18/20 00:45 |
| Boscalid | 85.4 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/18/20 00:45 |
| Carbaryl | 118 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Carbofuran | 112 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Chlorantraniliprole | 82.2 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Chlorfenapyr | 96.9 | 0.4 | ppm | 70-130 | 01/17/20 12:49 | 01/18/20 00:45 |
| Chlorpyrifos | 93.8 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Chlorpyrifos | 93.3 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/18/20 00:45 |
| Clofentezine | 14.0 | 0.06 | ppm | 14.4-62.3 | 01/17/20 12:49 | 01/17/20 18:50 |
| Daminozide | 1180 | 0.06 | ppm | 0-100 | 01/17/20 12:49 | 01/17/20 18:50 |
| Cyfluthrin | 102 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/18/20 00:45 |
| Diazinon | 105 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Cypermethrin | 92.9 | 0.4 | ppm | 70-130 | 01/17/20 12:49 | 01/18/20 00:45 |
| Dimethoate | 110 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Ethoprophos | 106 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Etofenprox | 94.1 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Etoazole | 98.2 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |



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Quality Control Pesticide Analysis (Continued)

Batch: 2003073 - 202 (Continued)

| LCS(2003073-BS1) | | | | | | |
|--------------------|------------|------|-------|------------------|----------------|----------------|
| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| Fenoxycarb | 110 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Fenpyroximate | 56.8 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Flonicamid | 113 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Fludioxonil | 109 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Hexythiazox | 87.4 | 0.1 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Imazalil | 85.8 | 0.06 | ppm | 57.9-96.4 | 01/17/20 12:49 | 01/17/20 18:50 |
| Fipronil | 108 | 0.1 | ppm | 70-130 | 01/17/20 12:49 | 01/18/20 00:45 |
| Imidacloprid | 114 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Malathion | 117 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Fludioxonil | 105 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/18/20 00:45 |
| Metalaxyl | 103 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Methiocarb | 111 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Methomyl | 112 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Myclobutanil | 111 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Kresoxim-methyl | 107 | 0.1 | ppm | 70-130 | 01/17/20 12:49 | 01/18/20 00:45 |
| Naled | 119 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Malathion | 103 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/18/20 00:45 |
| Oxamyl | 112 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Paclobutrazol | 110 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Methyl parathion | 100 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/18/20 00:45 |
| MGK-264 | 100 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/18/20 00:45 |
| Phosmet | 106 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Piperonyl butoxide | 75.2 | 0.9 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Prallethrin | 99.3 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Propoxur | 114 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Permethrins | 96.6 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/18/20 00:45 |
| Pyrethrins | 219 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Pyridaben | 97.7 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Propiconazole | 95.0 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/18/20 00:45 |
| Spinosad | 78.0 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Spiromesifen | 93.7 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Spirotetramat | 128 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Spiroxamine | 96.3 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Tebuconazole | 95.4 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Thiacloprid | 109 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Thiamethoxam | 110 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |
| Trifloxystrobin | 103 | 0.06 | ppm | 70-130 | 01/17/20 12:49 | 01/17/20 18:50 |



Eric Wendt
Chief Science Officer - 1/20/2020

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Quality Control Solvent Analysis

Batch: 2003052 - 205

| Blank(2003052-BLK1) | | | | | | |
|---------------------|--------|-------|-------|------------------|----------------|----------------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| Acetone | < LOQ | 1000 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Acetonitrile | < LOQ | 50.00 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Benzene | < LOQ | 1.000 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Butanes | < LOQ | 1000 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| 2-Butanol | < LOQ | 1000 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Cumene | < LOQ | 35.00 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Cyclohexane | < LOQ | 50.00 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Dichloromethane | < LOQ | 50.00 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| 1,4-Dioxane | < LOQ | 50.00 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| 2-Ethoxyethanol | < LOQ | 80.00 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Ethyl acetate | < LOQ | 1000 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Ethyl benzene | < LOQ | 35.00 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Ethylene glycol | < LOQ | 310.0 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Ethylene oxide | < LOQ | 25.00 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Ethyl ether | < LOQ | 1000 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Heptane | < LOQ | 1000 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Hexanes | < LOQ | 50.00 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Isopropyl acetate | < LOQ | 1000 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Methanol | < LOQ | 1000 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Pentanes | < LOQ | 1000 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Propane | < LOQ | 1000 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| 2-Propanol (IPA) | < LOQ | 1000 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Tetrahydrofuran | < LOQ | 50.00 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Toluene | < LOQ | 50.00 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |
| Xylenes | < LOQ | 50.00 | ppm | | 01/16/20 11:21 | 01/17/20 09:55 |

| LCS(2003052-BS1) | | | | | | |
|------------------|------------|-------|-------|------------------|----------------|----------------|
| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| Acetone | 93.9 | 1000 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Acetonitrile | 105 | 50.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Benzene | 96.4 | 1.000 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| n-Butane | 83.2 | 50.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Butanes | 82.0 | 1000 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| 2-Butanol | 94.8 | 1000 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Cumene | 93.4 | 35.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Cyclohexane | 91.9 | 50.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Dichloromethane | 98.5 | 50.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| 1,4-Dioxane | 102 | 50.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| 2-Ethoxyethanol | 94.7 | 80.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |



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Chief Science Officer - 1/20/2020

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Quality Control Solvent Analysis (Continued)

Batch: 2003052 - 205 (Continued)

| LCS(2003052-BS1) | | | | | | |
|-------------------|------------|-------|-------|------------------|----------------|----------------|
| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| Ethyl acetate | 97.1 | 1000 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Ethyl benzene | 91.7 | 35.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Ethylene glycol | 108 | 310.0 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Ethylene oxide | 96.4 | 25.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Ethyl ether | 93.1 | 1000 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Heptane | 92.9 | 1000 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| n-Hexane | 92.8 | 50.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Hexanes | 93.0 | 50.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| iso-Butane | 80.8 | 50.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Isopropyl acetate | 94.7 | 1000 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| iso-Pentane | 88.0 | 50.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Methanol | 98.7 | 1000 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| 2-Methylpentane | 92.3 | 50.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| 3-Methylpentane | 92.7 | 50.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| neo-Pentane | 83.8 | 50.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| n-Pentane | 91.1 | 50.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Pentanes | 87.7 | 1000 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Propane | 72.8 | 1000 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| 2-Propanol (IPA) | 106 | 1000 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Tetrahydrofuran | 97.4 | 50.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |
| Toluene | 96.4 | 50.00 | ppm | 70-130 | 01/16/20 11:21 | 01/16/20 17:51 |



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