



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



**Report Number:** 22-006247/D001.R000  
**Report Date:** 06/07/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/31/22 11:30

**Customer:** NW Natural Goods  
**Product identity:** HEMP - PR 0016  
**Client/Metric ID:** 1A40103000062D5000285864  
**Laboratory ID:** 22-006247-0001

## Summary

### Potency:

| Analyte per 4g                       | Result | Limits | Units | Status |                             |
|--------------------------------------|--------|--------|-------|--------|-----------------------------|
| CBC per 4g <sup>†</sup>              | 0.233  |        | mg/4g |        | CBD-Total per 4g 20.6 mg/4g |
| CBD per 4g                           | 20.6   |        | mg/4g |        |                             |
| CBG per 4g <sup>†</sup>              | 10.2   |        | mg/4g |        | THC-Total per 4g <LOQ       |
| (Reported in milligrams per serving) |        |        |       |        |                             |

### Residual Solvents:

All analytes passing and less than LOQ.

### Pesticides:

| Analyte                                      | Result<br>(mg/kg)      | Limits<br>(mg/kg) | Status |
|----------------------------------------------|------------------------|-------------------|--------|
| Multi-Residue Pesticide Profile <sup>†</sup> | < LOQ for all analytes |                   |        |

### Metals:

Less than LOQ for all analytes.

### Microbiology:

Less than LOQ for all analytes.



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**Product identity:** HEMP - PR 0016  
**Client/Metric ID:** 1A40103000062D5000285864  
**Sample Date:**  
**Laboratory ID:** 22-006247-0001  
**Evidence of Cooling:** No  
**Temp:** 19.4 °C  
**Relinquished by:** Ramos  
**Serving Size #1:** 4 g

## Sample Results

| Potency per 4g                                                                      |        |        |       |       |       |
|-------------------------------------------------------------------------------------|--------|--------|-------|-------|-------|
| Method J AOAC 2015 V98-6 (mod)Units mg/se Batch: 2204668 Analyze: 6/2/22 9:40:00 AM |        |        |       |       |       |
| Analyte                                                                             | Result | Limits | Units | LOQ   | Notes |
| CBC per 4g <sup>†</sup>                                                             | 0.233  |        | mg/4g | 0.131 |       |
| CBC-A per 4g <sup>†</sup>                                                           | < LOQ  |        | mg/4g | 0.131 |       |
| CBC-Total per 4g <sup>†</sup>                                                       | < LOQ  |        | mg/4g | 0.246 |       |
| CBD per 4g                                                                          | 20.6   |        | mg/4g | 0.131 |       |
| CBD-A per 4g                                                                        | < LOQ  |        | mg/4g | 0.131 |       |
| CBD-Total per 4g                                                                    | 20.6   |        | mg/4g | 0.246 |       |
| CBDV per 4g <sup>†</sup>                                                            | < LOQ  |        | mg/4g | 0.131 |       |
| CBDV-A per 4g <sup>†</sup>                                                          | < LOQ  |        | mg/4g | 0.131 |       |
| CBDV-Total per 4g <sup>†</sup>                                                      | < LOQ  |        | mg/4g | 0.244 |       |
| CBE per 4g <sup>†</sup>                                                             | < LOQ  |        | mg/4g | 0.131 |       |
| CBG per 4g <sup>†</sup>                                                             | 10.2   |        | mg/4g | 0.131 |       |
| CBG-A per 4g <sup>†</sup>                                                           | < LOQ  |        | mg/4g | 0.131 |       |
| CBG-Total per 4g <sup>†</sup>                                                       | 10.2   |        | mg/4g | 0.244 |       |
| CBL per 4g <sup>†</sup>                                                             | < LOQ  |        | mg/4g | 0.131 |       |
| CBL-A per 4g <sup>†</sup>                                                           | < LOQ  |        | mg/4g | 0.131 |       |
| CBL-Total per 4g <sup>†</sup>                                                       | < LOQ  |        | mg/4g | 0.246 |       |
| CBN per 4g                                                                          | < LOQ  |        | mg/4g | 0.131 |       |
| CBT per 4g <sup>†</sup>                                                             | < LOQ  |        | mg/4g | 0.131 |       |
| Δ8-THCV per 4g <sup>†</sup>                                                         | < LOQ  |        | mg/4g | 0.131 |       |
| Δ8-THC per 4g <sup>†</sup>                                                          | < LOQ  |        | mg/4g | 0.131 |       |
| Δ9-THC per 4g                                                                       | < LOQ  |        | mg/4g | 0.131 |       |
| exo-THC per 4g <sup>†</sup>                                                         | < LOQ  |        | mg/4g | 0.131 |       |
| THC-A per 4g                                                                        | < LOQ  |        | mg/4g | 0.131 |       |
| THC-Total per 4g                                                                    | < LOQ  |        | mg/4g | 0.246 |       |
| THCV per 4g <sup>†</sup>                                                            | < LOQ  |        | mg/4g | 0.131 |       |
| THCV-A per 4g <sup>†</sup>                                                          | < LOQ  |        | mg/4g | 0.131 |       |
| THCV-Total per 4g <sup>†</sup>                                                      | < LOQ  |        | mg/4g | 0.246 |       |
| Total Cannabinoids per 4g                                                           | 31.0   |        | mg/4g |       |       |



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#### Microbiology

| Analyte                 | Result | Limits | Units | LOQ | Batch   | Analyze  | Method                  | Status | Notes |
|-------------------------|--------|--------|-------|-----|---------|----------|-------------------------|--------|-------|
| E.coli                  | < LOQ  |        | cfu/g | 10  | 2204603 | 06/03/22 | AOAC 991.14 (Petrifilm) |        | X     |
| Total Coliforms         | < LOQ  |        | cfu/g | 10  | 2204603 | 06/03/22 | AOAC 991.14 (Petrifilm) |        | X     |
| Mold (RAPID Petrifilm)  | < LOQ  |        | cfu/g | 10  | 2204604 | 06/04/22 | AOAC 2014.05 (RAPID)    |        | X     |
| Yeast (RAPID Petrifilm) | < LOQ  |        | cfu/g | 10  | 2204604 | 06/04/22 | AOAC 2014.05 (RAPID)    |        | X     |

| Solvents                  | Method | Residual Solvents by GC/MS |      |        |       | Units                             | μg/g   | Batch  | 2204774 |        |       |  | Analyze | 06/06/22 11:57 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   |       |  |         |                   |  |

| Pesticides                       | Method                 | AOAC 2007.01 & EN 15662 (mod) | Units  | mg/kg | Batch | 2204740 | Analyze | 06/03/22 | 02:49 PM |
|----------------------------------|------------------------|-------------------------------|--------|-------|-------|---------|---------|----------|----------|
| Analyte                          | Result                 | Limits                        | Status | Notes |       |         |         |          |          |
| Multi-Residue Pesticide Profile† | < LOQ for all analytes |                               |        |       |       |         |         |          |          |

#### Metals

| Analyte | Result | Limits | Units | LOQ     | Batch   | Analyze  | Method              | Status | Notes |
|---------|--------|--------|-------|---------|---------|----------|---------------------|--------|-------|
| Arsenic | < LOQ  | 0.200  | mg/kg | 0.0164  | 2204743 | 06/03/22 | AOAC 2013.06 (mod.) | pass   | X     |
| Cadmium | < LOQ  | 0.200  | mg/kg | 0.0164  | 2204743 | 06/03/22 | AOAC 2013.06 (mod.) | pass   | X     |
| Lead    | < LOQ  | 0.500  | mg/kg | 0.0164  | 2204743 | 06/03/22 | AOAC 2013.06 (mod.) | pass   | X     |
| Mercury | < LOQ  | 0.100  | mg/kg | 0.00820 | 2204743 | 06/03/22 | AOAC 2013.06 (mod.) | pass   | X     |



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#### Nutrition

| Analyte                   | Result | Limits | Units  | LOQ   | Batch   | Analyze  | Method             | Status | Notes |
|---------------------------|--------|--------|--------|-------|---------|----------|--------------------|--------|-------|
| Moisture (Loss on Drying) | 17.9   |        | g/100g | 0.10  | 2204691 | 06/01/22 | AOAC 925.10 (mod.) | X      |       |
| Water Activity            | 0.695  |        | Aw     | 0.030 | 2204641 | 06/01/22 | AOAC 978.18        | X      |       |



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These test results are representative of the individual sample selected and submitted by the client.

#### **Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

#### **Units of Measure**

cfu/g = Colony forming units per gram

g = g

g/100g = Grams per 100 Grams

µg/g = Microgram per gram

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

mg/4g = Milligram per 4g

% = Percentage of sample

Aw = Water Activity

% wt = µg/g divided by 10,000

#### **Glossary of Qualifiers**

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner  
General Manager



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## Cannabis Multi-Residue Profile, Limits of Quantitation

| Compound                      | LOQ (mg/kg) | Compound                | LOQ (mg/kg) | Compound                   | LOQ (mg/kg) |
|-------------------------------|-------------|-------------------------|-------------|----------------------------|-------------|
| Abamectin                     | 0.100       | Cethodim                | 0.050       | Endrin                     | 0.100       |
| Acephate                      | 0.100       | Cethodim Sulfone        | 0.050       | EPN                        | 0.050       |
| Acequinocyl                   | 0.100       | Cethodim Sulfoxide      | 0.050       | EPIC                       | 0.100       |
| Acetamiprid                   | 0.020       | Cb fenfentazine         | 0.020       | Esfenvalerate/ Fenvalerate | 0.200       |
| Acetochlor                    | 0.100       | Chlormazine             | 0.020       | Etoconazole                | 0.100       |
| Acrinathrin                   | 0.100       | Cbthianidin             | 0.200       | Ethalfuralin               | 0.100       |
| Alachlor                      | 0.100       | Cumaphos                | 0.050       | Ethiofencarb               | 0.050       |
| Aldicarb                      | 0.100       | Crdoxyphos              | 0.020       | Ethion                     | 0.200       |
| Aldicarb sulfoxide            | 0.100       | Cyanazine               | 0.020       | Ethirimol                  | 0.100       |
| Aldoxycarb (Aldicarb-sulfone) | 0.100       | Cyanofenphos            | 0.020       | Ethofumesate               | 0.050       |
| Aldrin                        | 0.100       | Cyfluthrin              | 0.050       | Ethoprophos                | 0.020       |
| Ametoctradin                  | 0.020       | Cyazfamid               | 0.020       | Etofenprox                 | 0.020       |
| Ametryn                       | 0.500       | Cytoate                 | 0.100       | Etoxazole                  | 0.020       |
| Aspon                         | 0.100       | Cyfluthrin              | 0.200       | Etridiazole                | 0.100       |
| Asulam                        | 0.100       | Cyhalothrin, lambda     | 0.200       | Etrinfos                   | 0.020       |
| Atrazine                      | 0.100       | Cymoxanil               | 0.050       | Famoxadone                 | 0.200       |
| Atrazine-desethyl             | 0.100       | Cypermethrin            | 0.200       | Famphur                    | 0.100       |
| Azinphos-ethyl                | 0.020       | Cyprodinil              | 0.100       | Fenamidone                 | 0.020       |
| Azinphos-methyl               | 0.020       | Dadthal                 | 0.100       | Fenamiphos                 | 0.020       |
| Azoxystrobin                  | 0.020       | Damhozide               | 0.100       | Fenamiphos sulfone         | 0.020       |
| Beralaxyl                     | 0.020       | DCPMU                   | 0.050       | Fenamiphos sulfoxide       | 0.020       |
| Berthocarb                    | 0.020       | DDD, o,p'-              | 0.100       | Fenazaquin                 | 0.100       |
| Berfluralin                   | 0.100       | DDD, p,p'-              | 0.100       | Fenbuconazole              | 0.100       |
| Berxacor                      | 0.050       | DDE, o,p'-              | 0.100       | Fenchlorphos               | 0.100       |
| Bensulide                     | 0.050       | DDE, p,p'-              | 0.100       | Fenchlorphos-oxon          | 0.100       |
| BHC alpha isomer              | 0.100       | DDT, o,p'-              | 0.100       | Fenhexamid                 | 0.100       |
| BHC beta isomer               | 0.100       | DDT, p,p'-              | 0.100       | Fenitrothion               | 0.100       |
| BHC delta isomer              | 0.500       | DEF (Tribufos)          | 0.100       | Fenobucarb                 | 0.050       |
| Bifenazate                    | 0.020       | Deltamethrin            | 0.100       | Fenoxycarb                 | 0.020       |
| Bifenthrin                    | 0.020       | Desmedipham             | 0.100       | Fenpropathrin              | 0.050       |
| Boscalid                      | 0.020       | Diallate                | 0.100       | Fenpyroximate              | 0.020       |
| Bromophos-ethyl               | 0.100       | Diazinon                | 0.020       | Fenson                     | 0.100       |
| Bromophos-methyl              | 0.200       | Diazoxon                | 0.100       | Fensulfthion               | 0.020       |
| Bromopropylate                | 0.100       | Dichlobenil             | 0.100       | Fensulfthion oxon          | 0.020       |
| Bromuconazole                 | 0.100       | Dichlofluanid           | 0.100       | Fensulfthion sulfone       | 0.100       |
| Bupirimate                    | 0.020       | Dichlorvos              | 0.100       | Fensulfthion-oxon-sulfone  | 0.020       |
| Buprofezin                    | 0.050       | Diclobutrazol           | 0.050       | Fenthion                   | 0.050       |
| Butachlor                     | 0.500       | Dicofol                 | 0.100       | Fenthion oxon              | 0.020       |
| Butralin                      | 0.200       | Dicrotophos             | 0.050       | Fenthion oxon sulfone      | 0.100       |
| Butylate                      | 0.100       | Dieldrin                | 0.100       | Fenthion sulfone           | 0.050       |
| Cadusafos                     | 0.020       | Diethofencarb           | 0.020       | Fenuron                    | 0.020       |
| Captaf                        | 1.000       | Diethyltoluamide (DEET) | 0.050       | Fipronil                   | 0.100       |
| Carbaryl                      | 0.050       | Difenoconazole          | 0.100       | Fonicamid                  | 0.100       |
| Carbendazim                   | 0.100       | Dimethenamid            | 0.050       | Fuchloralin                | 0.100       |
| Carbofuran                    | 0.020       | Dimethoate              | 0.050       | Flucythrinate              | 0.100       |
| Carbophenothion               | 0.200       | Dimethomorph            | 0.050       | Fludioxonil                | 0.200       |
| Carboxin                      | 0.020       | Diniconazole            | 0.200       | Flufenacet                 | 0.020       |
| Carfentrazone-ethyl           | 0.100       | Dinotefuran             | 0.200       | Flumioxazin                | 0.100       |
| Chlorantraniliprole           | 0.020       | Dioxathion              | 0.100       | Flumeturon                 | 0.020       |
| Chlordane, cis-               | 0.200       | Diphenamid              | 0.020       | Flupicolide                | 0.050       |
| Chlordane, trans-             | 0.200       | Diphenylamine           | 0.100       | Flupyrrom                  | 0.020       |
| Chlorfenapyr                  | 0.500       | Disulfoton              | 0.100       | Fluxastrobin               | 0.050       |
| Chlorfenson                   | 0.200       | Disulfoton sulfone      | 0.100       | Flupyradifurone            | 0.020       |
| Chlorfenvinphos               | 0.050       | Disulfoton sulfoxide    | 0.100       | Fluridone                  | 0.100       |
| Chlorobenzilate               | 0.100       | Diuron                  | 0.050       | Flusilazole                | 0.020       |
| Chloroneb                     | 0.200       | Edifenphos              | 0.050       | Flutolanil                 | 0.020       |
| Chlorpyrifos                  | 0.050       | Endosulfan alpha        | 0.200       | Flutriafol                 | 0.020       |
| Chlorpyrifos-methyl           | 0.200       | Endosulfan beta         | 0.200       | Fluvalinate, tau-          | 0.100       |
| CIPC                          | 1.000       | Endosulfan sulfate      | 0.100       | Fluxapyroxad               | 0.020       |



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## Cannabis Multi-Residue Profile, Limits of Quantitation

| Compound             | LOQ(mg/ kg) | Compound                      | LOQ(mg/ kg) | Compound                 | LOQ(mg/ kg) |
|----------------------|-------------|-------------------------------|-------------|--------------------------|-------------|
| Fomesafen            | 0.100       | Mexacarbate                   | 0.020       | Propamocarb              | 0.050       |
| Fonofos              | 0.100       | MGK 264                       | 0.020       | Propanil                 | 0.050       |
| Forchlorfenuron      | 0.050       | Mirex                         | 0.100       | Propargite               | 0.050       |
| Formetanate          | 0.050       | Molinate                      | 0.050       | Propazine                | 0.020       |
| Furathiocarb         | 0.020       | Monocrotophos                 | 0.100       | Propetamphos             | 0.050       |
| Heptachlor           | 0.100       | Monolinuron                   | 0.020       | Propham                  | 0.050       |
| Heptachlor epoxide   | 0.100       | Myclobutanil                  | 0.050       | Propiconazole            | 0.050       |
| Heptenophos          | 0.100       | Naled                         | 0.100       | Propoxur                 | 0.050       |
| Hexachlorobenzene    | 0.100       | Napropamide                   | 0.050       | Propoxycarbazone Na      | 0.050       |
| Hexaconazole         | 0.100       | Neburon                       | 0.020       | Propyzamide              | 0.050       |
| Hexazinone           | 0.100       | Nitrapyrin                    | 0.100       | Prothiofos               | 0.100       |
| Hexythiazox          | 0.020       | Norflurazon                   | 0.050       | Pyraclostrobin           | 0.020       |
| Imazalil             | 0.100       | Omethoate                     | 0.100       | Pyrazophos               | 0.050       |
| Imidacloprid         | 0.100       | O-Phenylphenol                | 0.100       | Pyrethrins               | 0.050       |
| Indaziflam           | 0.020       | Oxadixyl                      | 0.100       | Pyridaben                | 0.020       |
| Indoxacarb           | 0.020       | Oxamyl                        | 0.100       | Pyridafol                | 0.100       |
| Iprobenfos           | 0.100       | Oxamyl-oxime                  | 0.100       | Pyridate                 | 0.020       |
| Iprodione            | 0.100       | Oxychlordane                  | 0.100       | Pyrimethanil             | 0.050       |
| Isobenzan            | 0.100       | Oxydemeton-Methyl             | 0.100       | Pyriproxifen             | 0.020       |
| Isocarbophos         | 0.500       | Oxythioquinox                 | 0.200       | Pyroxasulfone            | 0.020       |
| Isodrin              | 0.100       | Padlobutrazol                 | 0.050       | Pyroxulam                | 0.020       |
| Isofenphos           | 0.050       | Paraaxon-ethyl                | 0.020       | Quinalphos               | 0.050       |
| Isofenphos-methyl    | 0.020       | Paraaxon methyl               | 0.100       | Quinoxifen               | 0.050       |
| Isofenphos oxon      | 0.050       | Parathion ethyl               | 0.100       | Quintozene (PQN)         | 0.200       |
| Isoprocarb           | 0.020       | Parathion methyl              | 0.200       | Resmethrin               | 0.050       |
| Isopropalin          | 0.200       | Perconazole                   | 0.050       | Rotenone                 | 0.050       |
| Isoprothiolane       | 0.050       | Perdimethalin                 | 0.050       | S421                     | 0.100       |
| Isoproturon          | 0.050       | Perflufen                     | 0.020       | Simaizine                | 0.100       |
| Isoxaben             | 0.050       | Pertachloroaniline            | 0.100       | Simetryn                 | 0.200       |
| Isoxaflutole         | 0.050       | Pertachloroanisole            | 0.100       | Spinetoram               | 0.020       |
| Kresoxim-methyl      | 0.050       | Pentachlorobenzene (PCB)      | 0.100       | Spinosad                 | 0.050       |
| Lactofen             | 0.500       | Pentachlorothiobenzene (PCTA) | 0.100       | Spirodiclofen            | 0.100       |
| Lenadi               | 0.100       | Perthiopyrad                  | 0.020       | Spiromesifen             | 0.050       |
| Lindane (gammaBHC)   | 0.100       | Permethrin                    | 0.050       | Spirotetramat            | 0.050       |
| Linuron              | 0.020       | Pethane                       | 0.100       | Spiroxamine              | 0.020       |
| Malaoxon             | 0.050       | Phenmedipham                  | 0.050       | Sulfotep                 | 0.050       |
| Malathion            | 0.050       | Phanthoate                    | 0.050       | Sulfoxaflor              | 0.050       |
| Mandipropamid        | 0.020       | Phorate                       | 0.050       | Sulprofos                | 0.020       |
| Mecarbam             | 0.020       | Phorate Sulfone               | 0.050       | Tebuconazole             | 0.100       |
| Mepanipyrim          | 0.050       | Phorate Sulfoxide             | 0.050       | Tebufenozide             | 0.020       |
| Merphos              | 0.500       | Phosalone                     | 0.050       | Tebuthiuron              | 0.020       |
| Metalaxyl            | 0.050       | Phosmet                       | 0.100       | Tecnazene                | 0.100       |
| Metaldehyde          | 0.050       | Phosphamidon                  | 0.050       | Tefluthrin               | 0.100       |
| Metconazole          | 0.100       | Phoxim                        | 0.050       | Terbufos                 | 0.020       |
| Methacifos           | 0.100       | Pinoxaden                     | 0.020       | Terbufos sulfone         | 0.050       |
| Methamidophos        | 0.050       | Piperonyl butoxide            | 0.050       | Terbufos sulfoxide       | 0.050       |
| Methidathion         | 0.050       | Pirimicarb                    | 0.020       | Terbutylazine            | 0.020       |
| Methiocarb           | 0.050       | Pirimiphos-methyl             | 0.050       | Terbutryn                | 0.020       |
| Methiocarb sulfone   | 0.100       | Pirimiphos-ethyl              | 0.020       | Tetrachlorvinphos        | 0.050       |
| Methiocarb sulfoxide | 0.100       | Prallethrin                   | 0.100       | Tetraconazole            | 0.050       |
| Methomyl             | 0.100       | Prochloraz                    | 0.020       | Tetradifon               | 0.200       |
| Methoxychlor         | 0.100       | Procymidone                   | 0.100       | Tetramethrin             | 0.050       |
| Methoxyfenozide      | 0.020       | Prfenofos                     | 0.100       | Tetrasul                 | 0.100       |
| Metobromuron         | 0.050       | Prfluralin                    | 0.100       | Thiabendazole            | 0.100       |
| Metolachlor          | 0.100       | Promecarb                     | 0.050       | Thiabendazole, 5-hydroxy | 0.100       |
| Metolcarb            | 0.050       | Prometon                      | 0.100       | Thiadoprid               | 0.050       |
| Metrafenone          | 0.050       | Prometryn                     | 0.020       | Thiamethoxam             | 0.100       |
| Metribuzin           | 0.100       | Propachlor                    | 0.020       | Thiobencarb              | 0.050       |
| Mevinphos            | 0.100       |                               |             | Thiodicarb               | 0.050       |
|                      |             |                               |             | Thiophanate-methyl       | 0.050       |



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### Cannabis Multi-Residue Profile, Limits of Quantitation

| Compound         | LOQ(mg/kg) | Compound     | LOQ(mg/kg) | Compound        | LOQ(mg/kg) |
|------------------|------------|--------------|------------|-----------------|------------|
| Tolclofos-methyl | 0.100      | Triazophos   | 0.020      | Trifloxystrobin | 0.020      |
| Triforin         | 0.100      | Tolyfluarid  | 0.050      | Triticonazole   | 0.050      |
| Tralkoxydim      | 0.100      | Tridiphane   | 0.500      | Vindozolin      | 0.100      |
| Triadimefon      | 0.050      | Triflumizole | 0.020      | Zoxamide        | 0.020      |
| Triallate        | 0.100      | Trifluralin  | 0.100      |                 |            |

LOQ=Limit of Quantitation, mg/kg

Factors affecting the LOQ include instrumentation sensitivity for a particular analyte, sample size, moisture content (percent solids) of the sample, effectiveness of the cleanup on the sample extract, and especially the type of sample matrix.







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#### Laboratory Quality Control Results

| JAOAC2015 V98-6 Batch ID: 2204668 |     |        |       |       |       |            |            |       |  |  |
|-----------------------------------|-----|--------|-------|-------|-------|------------|------------|-------|--|--|
| Laboratory Control Sample         |     |        |       |       |       |            |            |       |  |  |
| Analyte                           | LCS | Result | Spike | Units | % Rec | Limits     | Evaluation | Notes |  |  |
| CBDVA                             | 1   | 0.0350 | 0.033 | %     | 105   | 80.0 - 120 | Acceptable |       |  |  |
| CBDV                              | 1   | 0.0362 | 0.033 | %     | 109   | 80.0 - 120 | Acceptable |       |  |  |
| CBE                               | 1   | 0.0329 | 0.033 | %     | 98.6  | 80.0 - 120 | Acceptable |       |  |  |
| CBD                               | 1   | 0.0332 | 0.033 | %     | 99.7  | 80.0 - 120 | Acceptable |       |  |  |
| CBGA                              | 1   | 0.0321 | 0.033 | %     | 96.4  | 80.0 - 120 | Acceptable |       |  |  |
| CBG                               | 1   | 0.0317 | 0.033 | %     | 95.0  | 80.0 - 120 | Acceptable |       |  |  |
| THCV                              | 1   | 0.0339 | 0.033 | %     | 102   | 80.0 - 120 | Acceptable |       |  |  |
| d8THCV                            | 1   | 0.0348 | 0.033 | %     | 104   | 80.0 - 120 | Acceptable |       |  |  |
| THCVA                             | 1   | 0.0355 | 0.033 | %     | 107   | 80.0 - 120 | Acceptable |       |  |  |
| CBN                               | 1   | 0.0333 | 0.033 | %     | 99.9  | 80.0 - 120 | Acceptable |       |  |  |
| exo-THC                           | 1   | 0.0348 | 0.033 | %     | 105   | 80.0 - 120 | Acceptable |       |  |  |
| d9THC                             | 1   | 0.0333 | 0.033 | %     | 99.9  | 80.0 - 120 | Acceptable |       |  |  |
| d8THC                             | 1   | 0.0339 | 0.033 | %     | 102   | 80.0 - 120 | Acceptable |       |  |  |
| CBL                               | 1   | 0.0324 | 0.033 | %     | 97.2  | 80.0 - 120 | Acceptable |       |  |  |
| CBC                               | 1   | 0.0343 | 0.033 | %     | 103   | 80.0 - 120 | Acceptable |       |  |  |
| THCA                              | 1   | 0.0357 | 0.033 | %     | 107   | 80.0 - 120 | Acceptable |       |  |  |
| CBGA                              | 1   | 0.0343 | 0.033 | %     | 103   | 80.0 - 120 | Acceptable |       |  |  |
| CBLA                              | 1   | 0.0342 | 0.033 | %     | 103   | 80.0 - 120 | Acceptable |       |  |  |
| CBT                               | 1   | 0.0341 | 0.033 | %     | 102   | 80.0 - 120 | Acceptable |       |  |  |

#### Method Blank

| Analyte | Result | LOQ   | Units | Limits  | Evaluation | Notes |
|---------|--------|-------|-------|---------|------------|-------|
| CBDVA   | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBDV    | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBE     | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBD     | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBGA    | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBG     | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| THCV    | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| d8THCV  | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| THCVA   | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBN     | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| exo-THC | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| d9THC   | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| d8THC   | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBL     | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBC     | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| THCA    | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBGA    | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBLA    | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBT     | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |

#### Abbreviations

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

#### Units of Measure:

% - Percent



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#### Laboratory Quality Control Results

| JAOAC2015 V98-6  |        | Batch ID: 2204668         |       |       |        |        |            |       |
|------------------|--------|---------------------------|-------|-------|--------|--------|------------|-------|
| Sample Duplicate |        | Sample ID: 22-003442-0004 |       |       |        |        |            |       |
| Analyte          | Result | Org. Result               | LOQ   | Units | RPD    | Limits | Evaluation | Notes |
| CBDVA            | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| CBDV             | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| CBE              | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| CBD              | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| CBGA             | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| CBG              | 0.0035 | 0.0035                    | 0.003 | %     | 0.0768 | < 20   | Acceptable |       |
| THCV             | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| d8THCV           | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| THCVA            | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| CBN              | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| exo-THC          | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| d9THC            | 0.110  | 0.109                     | 0.003 | %     | 0.508  | < 20   | Acceptable |       |
| d8THC            | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| CBL              | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| CBC              | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| THCA             | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| CBCA             | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| CBLA             | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |
| CBT              | <LOQ   | <LOQ                      | 0.003 | %     | NA     | < 20   | Acceptable |       |

#### Abbreviations

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

#### Units of Measure:



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#### Laboratory Quality Control Results

| Residual Solvents     |        |       |       | Batch ID: 2204774         |       |       |       |          |       |
|-----------------------|--------|-------|-------|---------------------------|-------|-------|-------|----------|-------|
| Method Blank          |        |       |       | Laboratory Control Sample |       |       |       |          |       |
| Analyte               | Result | LOQ   | Notes | Result                    | Spike | Units | % Rec | Limits   | Notes |
| Propane               | ND     | < 200 |       | 429                       | 572   | µg/g  | 75.0  | 60 - 120 |       |
| Isobutane             | ND     | < 200 |       | 630                       | 731   | µg/g  | 86.2  | 60 - 120 |       |
| Butane                | ND     | < 200 |       | 604                       | 731   | µg/g  | 82.6  | 60 - 120 |       |
| 2,2-Dimethylpropane   | ND     | < 200 |       | 725                       | 936   | µg/g  | 77.5  | 60 - 120 |       |
| Methanol              | ND     | < 200 |       | 1660                      | 1620  | µg/g  | 102.5 | 60 - 120 |       |
| Ethylene Oxide        | ND     | < 30  |       | 47.4                      | 56.2  | µg/g  | 84.3  | 60 - 120 |       |
| 2-Methylbutane        | ND     | < 200 |       | 1720                      | 1620  | µg/g  | 106.2 | 60 - 120 |       |
| Pentane               | ND     | < 200 |       | 1700                      | 1610  | µg/g  | 105.6 | 60 - 120 |       |
| Ethanol               | ND     | < 200 |       | 1720                      | 1630  | µg/g  | 105.5 | 70 - 130 |       |
| Ethyl Ether           | ND     | < 200 |       | 1680                      | 1620  | µg/g  | 103.7 | 60 - 120 |       |
| 2,2-Dimethylbutane    | ND     | < 30  |       | 177                       | 174   | µg/g  | 101.7 | 60 - 120 |       |
| Acetone               | ND     | < 200 |       | 1700                      | 1650  | µg/g  | 103.0 | 60 - 120 |       |
| 2-Propanol            | ND     | < 200 |       | 1650                      | 1610  | µg/g  | 102.5 | 60 - 120 |       |
| Ethyl Formate         | ND     | < 500 |       | 1490                      | 1600  | µg/g  | 93.1  | 70 - 130 |       |
| Acetonitrile          | ND     | < 100 |       | 512                       | 498   | µg/g  | 102.8 | 60 - 120 |       |
| Methyl Acetate        | ND     | < 500 |       | 1510                      | 1610  | µg/g  | 93.8  | 70 - 130 |       |
| 2,3-Dimethylbutane    | ND     | < 30  |       | 188                       | 176   | µg/g  | 106.8 | 60 - 120 |       |
| Dichloromethane       | ND     | < 60  |       | 550                       | 510   | µg/g  | 107.8 | 60 - 120 |       |
| 2-Methylpentane       | ND     | < 30  |       | 181                       | 176   | µg/g  | 102.8 | 60 - 120 |       |
| MTBE                  | ND     | < 500 |       | 1590                      | 1600  | µg/g  | 99.4  | 70 - 130 |       |
| 3-Methylpentane       | ND     | < 30  |       | 176                       | 175   | µg/g  | 100.6 | 60 - 120 |       |
| Hexane                | ND     | < 30  |       | 180                       | 177   | µg/g  | 101.7 | 60 - 120 |       |
| 1-Propanol            | ND     | < 500 |       | 1580                      | 1610  | µg/g  | 98.1  | 70 - 130 |       |
| Methylethylketone     | ND     | < 500 |       | 1610                      | 1600  | µg/g  | 100.6 | 70 - 130 |       |
| Ethyl acetate         | ND     | < 200 |       | 1710                      | 1630  | µg/g  | 104.9 | 60 - 120 |       |
| 2-Butanol             | ND     | < 200 |       | 1650                      | 1620  | µg/g  | 101.9 | 60 - 120 |       |
| Tetrahydrofuran       | ND     | < 100 |       | 525                       | 500   | µg/g  | 105.0 | 60 - 120 |       |
| Cyclohexane           | ND     | < 200 |       | 1660                      | 1620  | µg/g  | 102.5 | 60 - 120 |       |
| 2-methyl-1-propanol   | ND     | < 500 |       | 1480                      | 1620  | µg/g  | 91.4  | 70 - 130 |       |
| Benzene               | ND     | < 1   |       | 5.24                      | 5.32  | µg/g  | 98.5  | 60 - 120 |       |
| Isopropyl Acetate     | ND     | < 200 |       | 1710                      | 1620  | µg/g  | 105.6 | 60 - 120 |       |
| Heptane               | ND     | < 200 |       | 1770                      | 1770  | µg/g  | 100.0 | 60 - 120 |       |
| 1-Butanol             | ND     | < 500 |       | 1600                      | 1600  | µg/g  | 100.0 | 70 - 130 |       |
| Propyl Acetate        | ND     | < 500 |       | 1660                      | 1600  | µg/g  | 103.8 | 70 - 130 |       |
| 1,4-Dioxane           | ND     | < 100 |       | 508                       | 504   | µg/g  | 100.8 | 60 - 120 |       |
| 2-Ethoxyethanol       | ND     | < 30  |       | 167                       | 161   | µg/g  | 92.3  | 60 - 120 |       |
| Methylisobutylketone  | ND     | < 500 |       | 1580                      | 1610  | µg/g  | 98.1  | 70 - 130 |       |
| 3-Methyl-1-butanol    | ND     | < 500 |       | 1560                      | 1610  | µg/g  | 96.9  | 70 - 130 |       |
| Ethylene Glycol       | ND     | < 200 |       | 479                       | 494   | µg/g  | 97.0  | 60 - 120 |       |
| Toluene               | ND     | < 100 |       | 505                       | 491   | µg/g  | 102.9 | 60 - 120 |       |
| Isobutyl Acetate      | ND     | < 500 |       | 1690                      | 1600  | µg/g  | 105.6 | 70 - 130 |       |
| 1-Pentanol            | ND     | < 500 |       | 1580                      | 1610  | µg/g  | 98.1  | 70 - 130 |       |
| Butyl Acetate         | ND     | < 500 |       | 1530                      | 1610  | µg/g  | 95.0  | 70 - 130 |       |
| Ethylbenzene          | ND     | < 200 |       | 981                       | 973   | µg/g  | 100.8 | 60 - 120 |       |
| m,p-Xylene            | ND     | < 200 |       | 995                       | 996   | µg/g  | 99.9  | 60 - 120 |       |
| o-Xylene              | ND     | < 200 |       | 979                       | 973   | µg/g  | 100.6 | 60 - 120 |       |
| Cumene                | ND     | < 30  |       | 169                       | 170   | µg/g  | 99.4  | 60 - 120 |       |
| Anisole               | ND     | < 500 |       | 1590                      | 1610  | µg/g  | 98.8  | 70 - 130 |       |
| DMSO                  | ND     | < 500 |       | 1690                      | 1630  | µg/g  | 103.7 | 70 - 130 |       |
| 1,2-dimethoxyethane   | ND     | < 50  |       | 167                       | 164   | µg/g  | 101.8 | 70 - 130 |       |
| Triethylamine         | ND     | < 500 |       | 1380                      | 1600  | µg/g  | 86.3  | 70 - 130 |       |
| N,N-dimethylformamide | ND     | < 150 |       | 465                       | 497   | µg/g  | 93.6  | 70 - 130 |       |
| N,N-dimethylacetamide | ND     | < 150 |       | 498                       | 498   | µg/g  | 100.0 | 70 - 130 |       |
| Pyridine              | ND     | < 50  |       | 177                       | 180   | µg/g  | 98.3  | 70 - 130 |       |
| 1,2-Dichloroethane    | ND     | < 1   |       | 0.877                     | 1     | µg/g  | 87.7  | 70 - 130 |       |
| Chloroform            | ND     | < 1   |       | 0.875                     | 1     | µg/g  | 87.5  | 70 - 130 |       |
| Trichloroethylene     | ND     | < 1   |       | 0.853                     | 1     | µg/g  | 85.3  | 70 - 130 |       |



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| QC - Sample Duplicate  |        |             |           | Sample ID: 22-006261-0001 |        |             |       |
|------------------------|--------|-------------|-----------|---------------------------|--------|-------------|-------|
| Analyte                | Result | Org. Result | LOQ Units | RPD                       | Limits | Accept/Fail | Notes |
| Propane                | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Isobutane              | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Butane                 | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 2,2-Dimethylpropane    | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Methanol               | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Ethylene Oxide         | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| 2-Methylbutane         | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Pentane                | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Ethanol                | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Ethyl Ether            | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 2,2-Dimethylbutane     | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| Acetone                | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 2-Propanol             | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Ethyl Formate          | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Acetonitrile           | ND     | ND          | 100 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Methyl Acetate         | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 2,3-Dimethylbutane     | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| Dichloromethane        | ND     | ND          | 60 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| 2-Methylpentane        | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| MTBE                   | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 3-Methylpentane        | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| Hexane                 | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| 1-Propanol             | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Methyl ethyl ketone    | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Ethyl acetate          | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 2-Butanol              | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Tetrahydrofuran        | ND     | ND          | 100 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Cyclohexane            | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 2-methyl-1-propanol    | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Benzene                | ND     | ND          | 1 µg/g    | 0.0                       | < 20   | Acceptable  |       |
| Isopropyl Acetate      | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Heptane                | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 1-Butanol              | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Propyl Acetate         | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 1,4-Dioxane            | ND     | ND          | 100 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 2-Ethoxyethanol        | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| Methyl isobutyl ketone | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 3-Methyl-1-butanol     | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Ethylene Glycol        | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Toluene                | ND     | ND          | 100 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Isobutyl Acetate       | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 1-Pentanol             | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Butyl Acetate          | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Ethylbenzene           | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| m,p-Xylene             | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| o-Xylene               | ND     | ND          | 200 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Cumene                 | ND     | ND          | 30 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| Anisole                | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| DMSO                   | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| 1,2-dimethoxyethane    | ND     | ND          | 50 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| Triethylamine          | ND     | ND          | 500 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| N,N-dimethylformamide  | ND     | ND          | 150 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| N,N-dimethylacetamide  | ND     | ND          | 150 µg/g  | 0.0                       | < 20   | Acceptable  |       |
| Pyridine               | ND     | ND          | 50 µg/g   | 0.0                       | < 20   | Acceptable  |       |
| 1,2-Dichloroethane     | ND     | ND          | 1 µg/g    | 0.0                       | < 20   | Acceptable  |       |
| Chloroform             | ND     | ND          | 1 µg/g    | 0.0                       | < 20   | Acceptable  |       |
| Trichloroethylene      | ND     | ND          | 1 µg/g    | 0.0                       | < 20   | Acceptable  |       |

**Abbreviations**

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

**Units of Measure:**

µg/g - Microgram per gram or ppm



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



**Report Number:** 22-006247/D001.R000  
**Report Date:** 06/07/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/31/22 11:30





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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.                      |