CYCLING FROG
ARTISAN EXTRACTS

# CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

**BULK SKU** SLZ.D9.BC5.6PK **BATCH #** FH89(A)-1C

**PRODUCT NAME** Black Currant Seltzer **SERVING SIZE** 1/5 can (71 mL)

**LABORATORY:** Columbia Laboratories **OREGON ACCREDITATION:** OR100028

**LOQ:** Limit Of Quantitation
**LOD:** Limit Of Detection

1 g = $10^{-3}$ kg = $10^{3}$ mg = $10^{6}$ µg 1 mg/kg = 1 ppm = 1000 ppb

| POTENCY | PER SERVING | | PER GRAM | | Percent |
|---|---|---|---|---|---|
| Cannabidiol (CBD) | 2.00 | **mg/serving** | 0.03 | mg/g | 0.00 % |
| Total THC (d9-THC, THCA) | **1.18** | **mg/serving** | 0.02 | mg/g | 0.00 % |
| Cannabigerol (CBG) | **<LOQ** | **mg/serving** | <LOQ | mg/g | <LOQ % |
| Cannabinol (CBN) | **<LOQ** | **mg/serving** | <LOQ | mg/g | <LOQ % |
| Cannabichromene (CBC) | **<LOQ** | **mg/serving** | <LOQ | mg/g | <LOQ % |
| Tetrahydrocannabinolic Acid (THCA) | **<LOQ** | **mg/serving** | <LOQ | mg/g | <LOQ % |
| Delta-9-THC (d9-THC) | **1.18** | **mg/serving** | 0.02 | mg/g | 0.00 % |
| Delta-8-THC (d8-THC) | **<LOQ** | **mg/serving** | <LOQ | mg/g | <LOQ % |

| HEAVY METALS | PER SERVING | | PER GRAM | | REGULATORY ACTION LEVEL |
|---|---|---|---|---|---|
| Arsenic | **<LOQ** | **µg/serving** | <LOQ | µg/g | 1.5 ppm |
| Cadmium | **<LOQ** | **µg/serving** | <LOQ | µg/g | 0.5 ppm |
| Lead | **<LOQ** | **µg/serving** | <LOQ | µg/g | 0.5 ppm |
| Mercury | **<LOQ** | **µg/serving** | <LOQ | µg/g | 3.0 ppm |

| PESTICIDES | REGULATORY ACTION LEVEL |
|---|---|
| None of the other 59 pesticides tested found above limit of detection in the sample. | 10 ppb [1] |

| RESIDUAL SOLVENTS | Results | | REGULATORY ACTION LEVEL |
|---|---|---|---|
| Ethanol* | 414 | µg/g | 5,000 ppm |
| Heptane | <LOQ | µg/g | 5,000 ppm |
| None of the 34 residual solvents tested found above limit of quantitation in the sample. | | | |

| MICROBIAL | PASS/FAIL |
|---|---|
| Yeast & Mold | Pass |
| Coliform | Pass |


1. American Herbal Pharmacopoeia. (2014). Cannabis Inflorescence: Standards of Identity, Analysis, and Quality Control. Washington DC: AHP.

*Ethanol is a food additive used in some of our ingredients. The FDA has labeled ethanol as Generally Recognized as Safe (GRAS). Many foods contain trace amounts of ethanol, including soy sauce, pasta sauces, fruits and juices, etc. Our products contain safe levels of ethanol and always below pertinent regulatory action levels.

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A Tentamus Company

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503-254-1794

| | |
|---|---|
| **Report Number:** | 23-013600/D009.R000 |
| **Report Date:** | 11/27/2023 |
| **ORELAP#:** | OR100028 |
| **Purchase Order:** | 2728869 |
| **Received:** | 11/16/23 16:10 |

**Customer:** Etz Hayim Holdings
**Product identity:** CYCL-SLZ.D9.BC5.6PK-FH89(A)-1C
**Client/Metrc ID:** .
**Laboratory ID:** 23-013600-0001

## Summary

### Potency:

| Analyte per 1g | Result | Limits | Units | Status |
|---|---|---|---|---|
| CBD per 1g | 0.0282 | | mg/1g | |
| Δ9-THC per 1g | 0.0166 | | mg/1g | |

CBD-Total per Serving Size 0.0282 mg/1g

THC-Total per Serving Size 0.0166 mg/1g

(Reported in milligrams per serving)

### Residual Solvents:

| Analyte | Result (µg/g) | Limits (µg/g) | Status |
|---|---|---|---|
| Ethanol | 414 | | |

### Pesticides:

*All analytes passing and less than LOQ.*

### Metals:

*Less than LOQ for all analytes.*

### Microbiology:

*Less than LOQ for all analytes.*




Testing in accordance with: OAR 333-007-0430

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| **ORELAP#:** | OR100028 |
| **Purchase Order:** | 2728869 |
| **Received:** | 11/16/23 16:10 |

**Customer:** Etz Hayim Holdings
16427 NE Airport Way
PORTLAND 97230
United States of America (USA)

**Product identity:** CYCL-SLZ.D9.BC5.6PK-FH89(A)-1C
**Client/Metrc ID:** .
**Sample Date:**
**Laboratory ID:** 23-013600-0001
**Evidence of Cooling:** No
**Temp:** 17.1 °C
**Relinquished by:** Client
**Serving Size #1:** 1 g

## Sample Results

Potency per 1g **Method:** J AOAC 2015 V98-6 (mod)[b] **Units** mg/se **Batch:** 2313009 **Analyze:** 11/20/23 8:18:00 PM

| Analyte | Result | Limits | Units | LOQ | Notes |
|---|---|---|---|---|---|
| CBC per 1g | < LOQ | | mg/1g | 0.000995 | |
| CBC-A per 1g | < LOQ | | mg/1g | 0.000995 | |
| CBC-Total per 1g | < LOQ | | mg/1g | 0.00187 | |
| CBD per 1g | 0.0282 | | mg/1g | 0.000995 | |
| CBD-A per 1g | < LOQ | | mg/1g | 0.000995 | |
| CBD-Total per 1g | 0.0282 | | mg/1g | 0.00187 | |
| CBDV per 1g | < LOQ | | mg/1g | 0.000995 | |
| CBDV-A per 1g | < LOQ | | mg/1g | 0.000995 | |
| CBDV-Total per 1g | < LOQ | | mg/1g | 0.00186 | |
| CBE per 1g | < LOQ | | mg/1g | 0.000995 | |
| CBG per 1g | < LOQ | | mg/1g | 0.000995 | |
| CBG-A per 1g | < LOQ | | mg/1g | 0.000995 | |
| CBG-Total per 1g | < LOQ | | mg/1g | 0.00186 | |
| CBL per 1g | < LOQ | | mg/1g | 0.000995 | |
| CBL-A per 1g | < LOQ | | mg/1g | 0.000995 | |
| CBL-Total per 1g | < LOQ | | mg/1g | 0.00187 | |
| CBN per 1g | < LOQ | | mg/1g | 0.000995 | |
| CBT per 1g | < LOQ | | mg/1g | 0.000995 | |
| Δ8-THCV per 1g | < LOQ | | mg/1g | 0.000995 | |
| Δ10-THC-9R per 1g | < LOQ | | mg/1g | 0.000995 | |
| Δ10-THC-9S per 1g | < LOQ | | mg/1g | 0.000995 | |
| Δ10-THC-Total per 1g | < LOQ | | mg/1g | 0.00199 | |
| Δ8-THC per 1g | < LOQ | | mg/1g | 0.000995 | |
| Δ9-THC per 1g | 0.0166 | | mg/1g | 0.000995 | |
| delta-9-THCP per 1g | < LOQ | | mg/1g | 0.000995 | |
| exo-THC per 1g | < LOQ | | mg/1g | 0.000995 | |
| THC-A per 1g | < LOQ | | mg/1g | 0.000995 | |
| THC-Total per 1g | 0.0166 | | mg/1g | 0.00187 | |
| THCV per 1g | < LOQ | | mg/1g | 0.000995 | |
| THCV-A per 1g | < LOQ | | mg/1g | 0.000995 | |

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## Potency per 1g

**Method:** J AOAC 2015 V98-6 (mod)þ **Units** mg/se **Batch:** 2313009 **Analyze:** 11/20/23 8:18:00 PM

| Analyte | Result | Limits | Units | LOQ | Notes |
|---|---|---|---|---|---|
| THCV-Total per 1g | < LOQ | | mg/1g | 0.00187 | |
| Total Cannabinoids per 1g | 0.0448 | | mg/1g | | |

## Microbiology

| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed | Method | Status | Notes |
|---|---|---|---|---|---|---|---|---|---|
| E.coli | < LOQ | | cfu/g | 10 | 2312920 | 11/20/23 | AOAC 991.14 (Petrifilm)þ | | |
| Total Coliforms | < LOQ | | cfu/g | 10 | 2312920 | 11/20/23 | AOAC 991.14 (Petrifilm)þ | | |
| Mold (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 2312921 | 11/21/23 | AOAC 2014.05 (RAPID)þ | | |
| Yeast (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 2312921 | 11/21/23 | AOAC 2014.05 (RAPID)þ | | |

## Solvents

**Method:** Residual Solvents by GC/MSþ **Units** µg/g **Batch** 2313025 **Analyze** 11/22/23 10:08 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 | | Ethanol | 414 | | 200 | | |
| Ethyl acetate | < LOQ | 5000 | 200 | pass | | Ethyl benzene | < LOQ | | 200 | | |
| Ethyl ether | < LOQ | 5000 | 200 | pass | | Ethylene glycol | < LOQ | 620 | 200 | pass | |
| Ethylene oxide | < LOQ | 50.0 | 20.0 | pass | | Hexanes (sum) | < LOQ | 290 | 150 | pass | |
| Isopropyl acetate | < LOQ | 5000 | 200 | pass | | Isopropylbenzene (Cumene) | < LOQ | 70.0 | 30.0 | pass | |
| m,p-Xylene | < LOQ | | 200 | | | Methanol | < LOQ | 3000 | 200 | pass | |
| Methylene chloride | < LOQ | 600 | 60.0 | pass | | Methylpropane (Isobutane) | < LOQ | | 200 | | |
| n-Butane | < LOQ | | 200 | | | n-Heptane | < LOQ | 5000 | 200 | pass | |
| n-Hexane | < LOQ | | 30.0 | | | n-Pentane | < LOQ | | 200 | | |
| o-Xylene | < LOQ | | 200 | | | Pentanes (sum) | < LOQ | 5000 | 600 | pass | |
| Propane | < LOQ | 5000 | 200 | pass | | Tetrahydrofuran | < LOQ | 720 | 100 | pass | |
| Toluene | < LOQ | 890 | 100 | pass | | Total Xylenes | < LOQ | | 400 | | |
| Total Xylenes and Ethyl benzene | < LOQ | 2170 | 600 | pass | | | | | | | |

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## Pesticides

**Method:** AOAC 2007.01 & EN 15662 (mod)[þ] **Units** mg/kg **Batch** 2313043 **Analyze** 11/22/23 02:37 PM

| Analyte | Result | Limits | LOQ | Status | Notes | Analyte | Result | Limits | LOQ | Status | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Abamectin[¥] | < LOQ | 0.50 | 0.250 | pass | | Acephate[¥] | < LOQ | 0.40 | 0.200 | pass | |
| Acequinocyl[¥] | < LOQ | 2.0 | 1.00 | pass | | Acetamiprid[¥] | < LOQ | 0.20 | 0.100 | pass | |
| Aldicarb[¥] | < LOQ | 0.40 | 0.200 | pass | | Azoxystrobin[¥] | < LOQ | 0.20 | 0.100 | pass | |
| Bifenazate[¥] | < LOQ | 0.20 | 0.100 | pass | | Bifenthrin[¥] | < LOQ | 0.20 | 0.100 | pass | |
| Boscalid[¥] | < LOQ | 0.40 | 0.200 | pass | | Carbaryl[¥] | < LOQ | 0.20 | 0.100 | pass | |
| Carbofuran[¥] | < LOQ | 0.20 | 0.100 | pass | | Chlorantraniliprole[¥] | < LOQ | 0.20 | 0.100 | pass | |
| Chlorfenapyr[¥] | < LOQ | 1.0 | 0.500 | pass | | Chlorpyrifos[¥] | < LOQ | 0.20 | 0.100 | pass | |
| Clofentezine[¥] | < LOQ | 0.20 | 0.100 | pass | | Cyfluthrin[¥] | < LOQ | 1.0 | 0.500 | pass | |
| Cypermethrin[¥] | < LOQ | 1.0 | 0.500 | pass | | Daminozide[¥] | < LOQ | 1.0 | 0.500 | pass | |
| Diazinon[¥] | < LOQ | 0.20 | 0.100 | pass | | Dichlorvos[¥] | < LOQ | 1.0 | 0.500 | pass | |
| Dimethoate[¥] | < LOQ | 0.20 | 0.100 | pass | | Ethoprophos[¥] | < LOQ | 0.20 | 0.100 | pass | |
| Etofenprox[¥] | < LOQ | 0.40 | 0.200 | pass | | Etoxazole[¥] | < LOQ | 0.20 | 0.100 | pass | |
| Fenoxycarb[¥] | < LOQ | 0.20 | 0.100 | pass | | Fenpyroximate[¥] | < LOQ | 0.40 | 0.200 | pass | |
| Fipronil[¥] | < LOQ | 0.40 | 0.200 | pass | | Flonicamid[¥] | < LOQ | 1.0 | 0.400 | pass | |
| Fludioxonil[¥] | < LOQ | 0.40 | 0.200 | pass | | Hexythiazox[¥] | < LOQ | 1.0 | 0.400 | pass | |
| Imazalil[¥] | < LOQ | 0.20 | 0.100 | pass | | Imidacloprid[¥] | < LOQ | 0.40 | 0.200 | pass | |
| Kresoxim-methyl[¥] | < LOQ | 0.40 | 0.200 | pass | | Malathion[¥] | < LOQ | 0.20 | 0.100 | pass | |
| Metalaxyl[¥] | < LOQ | 0.20 | 0.100 | pass | | Methiocarb[¥] | < LOQ | 0.20 | 0.100 | pass | |
| Methomyl[¥] | < LOQ | 0.40 | 0.200 | pass | | MGK-264[¥] | < LOQ | 0.20 | 0.100 | pass | |
| Myclobutanil[¥] | < LOQ | 0.20 | 0.100 | pass | | Naled[¥] | < LOQ | 0.50 | 0.250 | pass | |
| Oxamyl[¥] | < LOQ | 1.0 | 0.500 | pass | | Paclobutrazole[¥] | < LOQ | 0.40 | 0.200 | pass | |
| Parathion-Methyl[¥] | < LOQ | 0.20 | 0.100 | pass | | Permethrin[¥] | < LOQ | 0.20 | 0.100 | pass | |
| Phosmet[¥] | < LOQ | 0.20 | 0.100 | pass | | Piperonyl butoxide[¥] | < LOQ | 2.0 | 1.00 | pass | |
| Prallethrin[¥] | < LOQ | 0.20 | 0.100 | pass | | Propiconazole[¥] | < LOQ | 0.40 | 0.200 | pass | |
| Propoxur[¥] | < LOQ | 0.20 | 0.100 | pass | | Pyrethrin I (total)[¥] | < LOQ | 1.0 | 0.500 | pass | |
| Pyridaben[¥] | < LOQ | 0.20 | 0.100 | pass | | Spinosad[¥] | < LOQ | 0.20 | 0.100 | pass | |
| Spiromesifen[¥] | < LOQ | 0.20 | 0.100 | pass | | Spirotetramat[¥] | < LOQ | 0.20 | 0.100 | pass | |
| Spiroxamine[¥] | < LOQ | 0.40 | 0.200 | pass | | Tebuconazole[¥] | < LOQ | 0.40 | 0.200 | pass | |
| Thiacloprid[¥] | < LOQ | 0.20 | 0.100 | pass | | Thiamethoxam[¥] | < LOQ | 0.20 | 0.100 | pass | |
| Trifloxystrobin[¥] | < LOQ | 0.20 | 0.100 | pass | | | | | | | |

## Metals

| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed | Method | Status | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic[¥] | < LOQ | 0.200 | mg/kg | 0.00373 | 2312986 | 11/20/23 | AOAC 2013.06 (mod.)[þ] | pass | |
| Cadmium[¥] | < LOQ | 0.200 | mg/kg | 0.00373 | 2312986 | 11/20/23 | AOAC 2013.06 (mod.)[þ] | pass | |
| Lead[¥] | < LOQ | 0.500 | mg/kg | 0.00373 | 2312986 | 11/20/23 | AOAC 2013.06 (mod.)[þ] | pass | |
| Mercury[¥] | < LOQ | 0.100 | mg/kg | 0.00186 | 2312986 | 11/20/23 | AOAC 2013.06 (mod.)[þ] | pass | |

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| | |
|---|---|
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***Abbreviations***

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

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

ᵇ = ISO/IEC 17025:2017 accredited method.
¥ = TNI accredited analyte.

***Units of Measure***

cfu/g = Colony forming units per gram
g = g
µg/g = Microgram per gram
mg/kg = Milligram per kilogram = parts per million (ppm)
mg/1g = Milligram per 1g
% = Percentage of sample
% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager






Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

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

Laboratory Quality Control Results

JAOAC2015 V986 — Batch ID: 2313009

Laboratory Control Sample

| Analyte | LCS | Result | Spike | Units | % Rec | Limits | Evaluation | Notes |
|---|---|---|---|---|---|---|---|---|
| CBDVA | 2 | 0.0010 | 0.0010 | % | 96.7 | 80.0 - 120 | Acceptable | |
| CBDV | 2 | 0.0010 | 0.0010 | % | 102 | 80.0 - 120 | Acceptable | |
| CBE | 2 | 0.00110 | 0.00105 | % | 105 | 80.0 - 120 | Acceptable | |
| CBDA | 1 | 0.0010 | 0.0009 | % | 105 | 90.0 - 110 | Acceptable | |
| CBGA | 1 | 0.0010 | 0.0009 | % | 105 | 80.0 - 120 | Acceptable | |
| CBG | 1 | 0.00102 | 0.0010 | % | 102 | 80.0 - 120 | Acceptable | |
| CBD | 1 | 0.00100 | 0.0010 | % | 105 | 90.0 - 110 | Acceptable | |
| THCV | 2 | 0.0010 | 0.00101 | % | 97.9 | 80.0 - 120 | Acceptable | |
| d8THCV | 2 | 0.0009 | 0.0008 | % | 106 | 80.0 - 120 | Acceptable | |
| THCVA | 2 | 0.0009 | 0.0010 | % | 96.7 | 80.0 - 120 | Acceptable | |
| CBN | 1 | 0.00106 | 0.0010 | % | 107 | 80.0 - 120 | Acceptable | |
| exo-THC | 2 | 0.0009 | 0.0009 | % | 102 | 80.0 - 120 | Acceptable | |
| d9THC | 1 | 0.00102 | 0.0010 | % | 106 | 90.0 - 110 | Acceptable | |
| d8THC | 1 | 0.0009 | 0.0008 | % | 105 | 90.0 - 110 | Acceptable | |
| 9Sd10THC | 1 | 0.00100 | 0.0010 | % | 102 | 80.0 - 120 | Acceptable | |
| CBL | 2 | 0.00105 | 0.00105 | % | 99.8 | 80.0 - 120 | Acceptable | |
| 9Rd10THC | 1 | 0.0010 | 0.0009 | % | 106 | 80.0 - 120 | Acceptable | |
| CBC | 2 | 0.00106 | 0.00102 | % | 104 | 80.0 - 120 | Acceptable | |
| THCA | 1 | 0.0009 | 0.0009 | % | 104 | 90.0 - 110 | Acceptable | |
| CBCA | 2 | 0.0009 | 0.00101 | % | 93.1 | 80.0 - 120 | Acceptable | |
| CBLA | 2 | 0.00100 | 0.00101 | % | 99.4 | 80.0 - 120 | Acceptable | |
| d9THCP | 2 | 0.00101 | 0.0010 | % | 101 | 80.0 - 120 | Acceptable | |
| CBT | 2 | 0.00105 | 0.00101 | % | 104 | 80.0 - 120 | Acceptable | |

Method Blank

| Analyte | Result | LOQ | Units | Limits | Evaluation | Notes |
|---|---|---|---|---|---|---|
| CBDVA | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| CBDV | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| CBE | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| CBDA | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| CBGA | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| CBG | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| CBD | 0.0001 | 0.0001 | % | < 0.0001 | Outlier | B1 |
| THCV | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| d8THCV | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| THCVA | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| CBN | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| exo-THC | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| d9THC | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| d8THC | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| 9Sd10THC | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| CBL | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| 9Rd10THC | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| CBC | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| THCA | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| CBCA | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| CBLA | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| d9THCP | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |
| CBT | <LOQ | 0.0001 | % | < 0.0001 | Acceptable | |

***Abbreviations***

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation
B1 - The sample concentration is greater than 5 times the blank concentration.

***Units of Measure:***

% - Percent

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

Laboratory Quality Control Results

JAOAC2015 V98 Batch ID: 2313009
Sample Duplicate Sample ID: 23-0136000001

| Analyte | Result | Org. Result | LOQ | Units | RPD | Limits | Evaluation | Notes |
|---|---|---|---|---|---|---|---|---|
| CBDVA | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBDV | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBE | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBDA | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBGA | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBG | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBD | 0.00305 | 0.00282 | 0.0001 | % | 7.70 | < 20 | Acceptable | |
| THCV | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| d8THCV | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| THCVA | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBN | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| exo-THC | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| d9THC | 0.00159 | 0.00166 | 0.0001 | % | 4.38 | < 20 | Acceptable | |
| d8THC | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| 9Sd10THC | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBL | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| 9Rd10THC | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBC | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| THCA | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBCA | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBLA | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| d9THCP | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBT | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |

***Abbreviations***

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

***Units of Measure:***

% - Percent

Columbia LABORATORIES
A Tentamus Company

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

**Report Number:** 23-013600/D009.R000
**Report Date:** 11/27/2023
**ORELAP#:** OR100028
**Purchase Order:** 2728869
**Received:** 11/16/23 16:10

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

Laboratory Quality Control Results

**Residual Solvents** Batch ID: 2313025

| Method Blank | | | | | Laboratory Control Sample | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Result | | LOQ | Notes | Result | Spike | Units | %Rec | Limits | | | Notes |
| Propane | ND | < | 200 | | 476 | 584 | µg/g | 81.5 | 60 | - | 120 | |
| Isobutane | ND | < | 200 | | 533 | 767 | µg/g | 69.5 | 60 | - | 120 | |
| Butane | ND | < | 200 | | 499 | 782 | µg/g | 63.8 | 60 | - | 120 | |
| 2,2-Dimethylpropane | ND | < | 200 | | 726 | 939 | µg/g | 77.3 | 60 | - | 120 | |
| Methanol | ND | < | 200 | | 1820 | 1600 | µg/g | 113.8 | 60 | - | 120 | |
| Ethylene Oxide | ND | < | 30 | | 39.3 | 57.1 | µg/g | 68.8 | 60 | - | 120 | |
| 2-Methylbutane | ND | < | 200 | | 1750 | 1600 | µg/g | 109.4 | 60 | - | 120 | |
| Pentane | ND | < | 200 | | 1760 | 1600 | µg/g | 110.0 | 60 | - | 120 | |
| Ethanol | ND | < | 200 | | 1720 | 1600 | µg/g | 107.5 | 70 | - | 130 | |
| Ethyl Ether | ND | < | 200 | | 1700 | 1600 | µg/g | 106.3 | 60 | - | 120 | |
| 2,2-Dimethylbutane | ND | < | 30 | | 170 | 161 | µg/g | 105.6 | 60 | - | 120 | |
| Acetone | ND | < | 200 | | 1740 | 1600 | µg/g | 108.8 | 60 | - | 120 | |
| 2-Propanol | ND | < | 200 | | 1720 | 1600 | µg/g | 107.5 | 60 | - | 120 | |
| Ethyl Formate | ND | < | 500 | | 1150 | 1600 | µg/g | 71.9 | 70 | - | 130 | |
| Acetonitrile | ND | < | 100 | | 530 | 488 | µg/g | 108.6 | 60 | - | 120 | |
| Methyl Acetate | ND | < | 500 | | 1500 | 1610 | µg/g | 93.2 | 70 | - | 130 | |
| 2,3-Dimethylbutane | ND | < | 30 | | 172 | 163 | µg/g | 105.5 | 60 | - | 120 | |
| Dichloromethane | ND | < | 60 | | 477 | 488 | µg/g | 97.7 | 60 | - | 120 | |
| 2-Methylpentane | ND | < | 30 | | 150 | 161 | µg/g | 93.2 | 60 | - | 120 | |
| MTBE | ND | < | 500 | | 1540 | 1650 | µg/g | 93.3 | 70 | - | 130 | |
| 3-Methylpentane | ND | < | 30 | | 167 | 162 | µg/g | 103.1 | 60 | - | 120 | |
| Hexane | ND | < | 30 | | 168 | 161 | µg/g | 104.3 | 60 | - | 120 | |
| 1-Propanol | ND | < | 500 | | 1700 | 1620 | µg/g | 104.9 | 70 | - | 130 | |
| Methylethylketone | ND | < | 500 | | 1530 | 1610 | µg/g | 95.0 | 70 | - | 130 | |
| Ethyl acetate | ND | < | 200 | | 1740 | 1610 | µg/g | 108.1 | 60 | - | 120 | |
| 2-Butanol | ND | < | 200 | | 1690 | 1610 | µg/g | 105.0 | 60 | - | 120 | |
| Tetrahydrofuran | ND | < | 100 | | 499 | 483 | µg/g | 103.3 | 60 | - | 120 | |
| Cyclohexane | ND | < | 200 | | 1660 | 1600 | µg/g | 103.8 | 60 | - | 120 | |
| 2-methyl-1-propanol | ND | < | 500 | | 1350 | 1600 | µg/g | 84.4 | 70 | - | 130 | |
| Benzene | ND | < | 1 | | 5.11 | 4.99 | µg/g | 102.4 | 60 | - | 120 | |
| Isopropyl Acetate | ND | < | 200 | | 1770 | 1600 | µg/g | 110.6 | 60 | - | 120 | |
| Heptane | ND | < | 200 | | 1750 | 1600 | µg/g | 109.4 | 60 | - | 120 | |
| 1-Butanol | ND | < | 500 | | 1460 | 1610 | µg/g | 90.7 | 70 | - | 130 | |
| Propyl Acetate | ND | < | 500 | | 1590 | 1610 | µg/g | 98.8 | 70 | - | 130 | |
| 1,4-Dioxane | ND | < | 100 | | 470 | 480 | µg/g | 97.9 | 60 | - | 120 | |
| 2-Ethoxyethanol | ND | < | 30 | | 134 | 161 | µg/g | 83.2 | 60 | - | 120 | |
| Methylisobutylketone | ND | < | 500 | | 1620 | 1610 | µg/g | 100.6 | 70 | - | 130 | |
| 3-Methyl-1-butanol | ND | < | 500 | | 1520 | 1610 | µg/g | 94.4 | 70 | - | 130 | |
| Ethylene Glycol | ND | < | 200 | | 197 | 481 | µg/g | 41.0 | 60 | - | 120 | Q6 |
| Toluene | ND | < | 100 | | 487 | 483 | µg/g | 100.8 | 60 | - | 120 | |
| Isobutyl Acetate | ND | < | 500 | | 1600 | 1610 | µg/g | 99.4 | 70 | - | 130 | |
| 1-Pentanol | ND | < | 500 | | 1570 | 1610 | µg/g | 97.5 | 70 | - | 130 | |
| Butyl Acetate | ND | < | 500 | | 1560 | 1600 | µg/g | 97.5 | 70 | - | 130 | |
| Ethylbenzene | ND | < | 200 | | 966 | 962 | µg/g | 100.4 | 60 | - | 120 | |
| m,p-Xylene | ND | < | 200 | | 981 | 972 | µg/g | 100.9 | 60 | - | 120 | |
| o-Xylene | ND | < | 200 | | 942 | 965 | µg/g | 97.6 | 60 | - | 120 | |
| Cumene | ND | < | 30 | | 165 | 169 | µg/g | 97.6 | 60 | - | 120 | |
| Anisole | ND | < | 500 | | 1320 | 1600 | µg/g | 82.5 | 70 | - | 130 | |
| DMSO | ND | < | 500 | | 1070 | 1600 | µg/g | 66.9 | 70 | - | 130 | Q6 |
| 1,2-dimethoxyethane | ND | < | 50 | | 151 | 163 | µg/g | 92.6 | 70 | - | 130 | |
| Triethylamine | ND | < | 500 | | 1190 | 1600 | µg/g | 74.4 | 70 | - | 130 | |
| N,N-dimethylformamide | ND | < | 150 | | 400 | 482 | µg/g | 83.0 | 70 | - | 130 | |
| N,N-dimethylacetamide | ND | < | 150 | | 478 | 483 | µg/g | 99.0 | 70 | - | 130 | |
| Pyridine | ND | < | 50 | | 129 | 161 | µg/g | 80.1 | 70 | - | 130 | |
| Sulfolane | ND | < | 50 | | 96.6 | 163 | µg/g | 59.3 | 70 | - | 130 | Q6 |
| 1,2-Dichloroethane | ND | < | 1 | | 1.13 | 1 | µg/g | 113.0 | 70 | - | 130 | |
| Chloroform | ND | < | 1 | | 0.994 | 1 | µg/g | 99.4 | 70 | - | 130 | |
| Trichloroethylene | ND | < | 1 | | 0.867 | 1 | µg/g | 86.7 | 70 | - | 130 | |
| 1,1-Dichloroethane | ND | < | 1 | | 1.08 | 1 | µg/g | 108.0 | 70 | - | 130 | |

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**Report Date:** 11/27/2023
**ORELAP#:** OR100028
**Purchase Order:** 2728869
**Received:** 11/16/23 16:10

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

QC- Sample Duplicate — Sample ID: 23-013428-0001

| 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 | |
| Methylethylketone | 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 | |
| Methylisobutylketone | 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 | |
| Sulfolane | ND | ND | 50 | µg/g | 0.0 | < 20 | Acceptable | |
| 1,2-Dichloroethane | ND | ND | 1 | µg/g | 0.0 | < 20 | Acceptable | |
| Chloroform | ND | ND | 1 | µg/g | 0.0 | < 20 | Acceptable | |
| Trichloroethylene | ND | ND | 1 | µg/g | 0.0 | < 20 | Acceptable | |
| 1,1-Dichloroethane | ND | ND | 1 | µg/g | 0.0 | < 20 | Acceptable | |

***Abbreviations***

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

***Units of Measure:***

µg/g- Microgram per gram or ppm

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**Report Number:** 23-013600/D009.R000
**Report Date:** 11/27/2023
**ORELAP#:** OR100028
**Purchase Order:** 2728869
**Received:** 11/16/23 16:10

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

## Laboratory Pesticide Quality Control Results

| AOAC 2007.1 & EN 15662 | | | Units: mg/Kg | | | | | | Batch ID: 2313043 |
|---|---|---|---|---|---|---|---|---|---|
| Method Blank | | | | Laboratory Control Sample | | | | | |
| Analyte | Blank Result | Blank Limits | Notes | LCS Result | LCS Spike | LCS % Rec | Limits | | Notes |
| Abamectin | 0.000 | < 0.250 | | 0.975 | 1.000 | 97.5 | 50.0 | 150 | |
| Acephate | 0.140 | < 0.200 | | 0.595 | 0.800 | 74.4 | 60.0 | 120 | |
| Acequinocyl | 0.000 | < 1.000 | | 3.449 | 4.000 | 86.2 | 40.0 | 160 | |
| Acetamiprid | 0.000 | < 0.100 | | 0.394 | 0.400 | 98.4 | 60.0 | 120 | |
| Aldicarb | 0.000 | < 0.200 | | 0.761 | 0.800 | 95.1 | 60.0 | 120 | |
| Azoxystrobin | 0.005 | < 0.100 | | 0.387 | 0.400 | 96.8 | 60.0 | 120 | |
| Bifenazate | 0.000 | < 0.100 | | 0.382 | 0.400 | 95.4 | 60.0 | 120 | |
| Bifenthrin | 0.000 | < 0.100 | | 0.366 | 0.400 | 91.4 | 50.0 | 150 | |
| Boscalid | 0.000 | < 0.200 | | 0.666 | 0.800 | 83.3 | 60.0 | 120 | |
| Carbaryl | 0.000 | < 0.100 | | 0.384 | 0.400 | 95.9 | 60.0 | 120 | |
| Carbofuran | 0.000 | < 0.100 | | 0.385 | 0.400 | 96.2 | 60.0 | 120 | |
| Chlorantraniliprole | 0.000 | < 0.100 | | 0.406 | 0.400 | 101.6 | 60.0 | 120 | |
| Chlorfenapyr | 0.000 | < 0.500 | | 1.879 | 2.000 | 94.0 | 60.0 | 120 | |
| Chlorpyrifos | 0.000 | < 0.100 | | 0.362 | 0.400 | 90.6 | 60.0 | 120 | |
| Clofentezine | 0.000 | < 0.100 | | 0.200 | 0.400 | 50.0 | 60.0 | 120 | Q7 |
| Cyfluthrin | 0.000 | < 0.500 | | 1.677 | 2.000 | 83.8 | 50.0 | 150 | |
| Cypermethrin | 0.000 | < 0.500 | | 1.838 | 2.000 | 91.9 | 50.0 | 150 | |
| Daminozide | 0.002 | < 0.500 | | 0.700 | 2.000 | 35.0 | 60.0 | 120 | Q7 |
| Diazinon | 0.000 | < 0.100 | | 0.364 | 0.400 | 91.1 | 60.0 | 120 | |
| Dichlorvos | 0.000 | < 0.500 | | 1.743 | 2.000 | 87.2 | 60.0 | 120 | |
| Dimethoate | 0.000 | < 0.100 | | 0.369 | 0.400 | 92.2 | 60.0 | 120 | |
| Ethoprophos | 0.000 | < 0.100 | | 0.370 | 0.400 | 92.6 | 60.0 | 120 | |
| Etofenprox | 0.000 | < 0.200 | | 0.739 | 0.800 | 92.4 | 50.0 | 150 | |
| Etoxazole | 0.003 | < 0.100 | | 0.349 | 0.400 | 87.2 | 60.0 | 120 | |
| Fenoxycarb | 0.000 | < 0.100 | | 0.385 | 0.400 | 96.2 | 60.0 | 120 | |
| Fenpyroximate | 0.001 | < 0.200 | | 0.728 | 0.800 | 91.0 | 60.0 | 120 | |
| Fipronil | 0.000 | < 0.200 | | 0.763 | 0.800 | 95.4 | 60.0 | 120 | |
| Flonicamid | 0.000 | < 0.250 | | 0.840 | 1.000 | 84.0 | 60.0 | 120 | |
| Fludioxonil | 0.000 | < 0.200 | | 0.786 | 0.800 | 98.3 | 50.0 | 150 | |
| Hexythiazox | 0.000 | < 0.250 | | 0.945 | 1.000 | 94.5 | 60.0 | 120 | |
| Imazalil | 0.000 | < 0.100 | | 0.384 | 0.400 | 96.1 | 60.0 | 120 | |
| Imidacloprid | 0.000 | < 0.200 | | 0.737 | 0.800 | 92.1 | 60.0 | 120 | |
| Kresoxim-methyl | 0.000 | < 0.200 | | 0.731 | 0.800 | 91.3 | 60.0 | 120 | |
| Malathion | 0.009 | < 0.100 | | 0.355 | 0.400 | 88.7 | 60.0 | 120 | |
| Metalaxyl | 0.000 | < 0.100 | | 0.366 | 0.400 | 91.5 | 60.0 | 120 | |
| Methiocarb | 0.000 | < 0.100 | | 0.366 | 0.400 | 91.4 | 60.0 | 120 | |
| Methomyl | 0.000 | < 0.200 | | 0.637 | 0.800 | 79.7 | 60.0 | 120 | |
| MGK-264 | 0.000 | < 0.100 | | 0.363 | 0.400 | 90.7 | 50.0 | 150 | |
| Myclobutanil | 0.006 | < 0.100 | | 0.407 | 0.400 | 101.8 | 60.0 | 120 | |
| Naled | 0.000 | < 0.250 | | 0.917 | 1.000 | 91.7 | 50.0 | 150 | |
| Oxamyl | 0.000 | < 0.500 | | 1.778 | 2.000 | 88.9 | 60.0 | 120 | |
| Paclobutrazole | 0.000 | < 0.200 | | 0.756 | 0.800 | 94.6 | 60.0 | 120 | |
| Parathion-Methyl | 0.000 | < 0.100 | | 0.362 | 0.400 | 90.5 | 50.0 | 150 | |
| Permethrin | 0.048 | < 0.100 | | 0.295 | 0.400 | 73.7 | 50.0 | 150 | |
| Phosmet | 0.000 | < 0.100 | | 0.374 | 0.400 | 93.5 | 50.0 | 150 | |
| Piperonyl butoxide | 0.000 | < 0.500 | | 1.860 | 2.000 | 93.0 | 60.0 | 120 | |
| Prallethrin | 0.011 | < 0.100 | | 0.386 | 0.400 | 96.5 | 60.0 | 120 | |
| Propiconazole | 0.030 | < 0.200 | | 0.760 | 0.800 | 95.0 | 60.0 | 120 | |
| Propoxur | 0.000 | < 0.100 | | 0.373 | 0.400 | 93.2 | 60.0 | 120 | |
| Pyrethrin (Summe) | 0.005 | < 0.100 | | 0.442 | 0.488 | 90.5 | 60.0 | 120 | |
| Pyridaben | 0.000 | < 0.100 | | 0.370 | 0.400 | 92.4 | 50.0 | 150 | |
| Spinosad | 0.000 | < 0.100 | | 0.369 | 0.388 | 95.0 | 50.0 | 150 | |
| Spiromesifen | 0.000 | < 0.100 | | 0.370 | 0.400 | 92.4 | 60.0 | 120 | |
| Spirotetramat | 0.000 | < 0.100 | | 0.369 | 0.400 | 92.3 | 60.0 | 120 | |
| Spiroxamine | 0.000 | < 0.200 | | 0.762 | 0.800 | 95.2 | 60.0 | 120 | |
| Tebuconazole | 0.011 | < 0.200 | | 0.711 | 0.800 | 88.9 | 60.0 | 120 | |
| Thiacloprid | 0.000 | < 0.100 | | 0.380 | 0.400 | 95.0 | 60.0 | 120 | |
| Thiamethoxam | 0.000 | < 0.100 | | 0.319 | 0.400 | 79.8 | 60.0 | 120 | |
| Trifloxystrobin | 0.000 | < 0.100 | | 0.385 | 0.400 | 96.1 | 60.0 | 120 | |

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

## Laboratory Pesticide Quality Control Results

**AOAC 2007.1 & EN 15662** — **Units:** mg/Kg — **Batch ID:** 2313043

**Matrix Spike/Matrix Spike Duplicate Recoveries** — **Sample ID:** 23-013600-0007

| Analyte | Result | MS Res | MSD Res | Spike | RPD% | Limit | MS % Rec | MSD % Rec | Limits | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| Abamectin | 0.000 | 1.009 | 0.992 | 1.000 | 1.7% | < 30 | 100.9% | 99.2% | 50 - 150 | |
| Acephate | 0.104 | 0.701 | 0.727 | 0.800 | 4.3% | < 30 | 74.5% | 77.8% | 50 - 150 | |
| Acequinocyl | 0.000 | 3.535 | 3.763 | 4.000 | 6.3% | < 30 | 88.4% | 94.1% | 50 - 150 | |
| Acetamiprid | 0.000 | 0.402 | 0.410 | 0.400 | 2.1% | < 30 | 100.4% | 102.6% | 50 - 150 | |
| Aldicarb | 0.000 | 0.723 | 0.738 | 0.800 | 2.1% | < 30 | 90.4% | 92.3% | 50 - 150 | |
| Azoxystrobin | 0.005 | 0.358 | 0.375 | 0.400 | 4.7% | < 30 | 88.3% | 92.5% | 50 - 150 | |
| Bifenazate | 0.000 | 0.380 | 0.399 | 0.400 | 5.1% | < 30 | 94.9% | 99.9% | 50 - 150 | |
| Bifenthrin | 0.000 | 0.345 | 0.364 | 0.400 | 5.4% | < 30 | 86.3% | 91.1% | 50 - 150 | |
| Boscalid | 0.000 | 0.694 | 0.654 | 0.800 | 6.0% | < 30 | 86.8% | 81.7% | 50 - 150 | |
| Carbaryl | 0.000 | 0.369 | 0.376 | 0.400 | 1.8% | < 30 | 92.3% | 94.0% | 50 - 150 | |
| Carbofuran | 0.000 | 0.378 | 0.379 | 0.400 | 0.2% | < 30 | 94.5% | 94.7% | 50 - 150 | |
| Chlorantraniliprole | 0.000 | 0.362 | 0.400 | 0.400 | 10.0% | < 30 | 90.6% | 100.1% | 50 - 150 | |
| Chlorfenapyr | 0.000 | 1.763 | 1.711 | 2.000 | 3.0% | < 30 | 88.2% | 85.5% | 50 - 150 | |
| Chlorpyrifos | 0.000 | 0.335 | 0.347 | 0.400 | 3.4% | < 30 | 83.8% | 86.7% | 50 - 150 | |
| Clofentezine | 0.000 | 0.122 | 0.131 | 0.400 | 7.3% | < 30 | 30.5% | 32.8% | 50 - 150 | Q |
| Cyfluthrin | 0.000 | 1.732 | 1.931 | 2.000 | 10.9% | < 30 | 86.6% | 96.6% | 30 - 150 | |
| Cypermethrin | 0.000 | 1.736 | 1.780 | 2.000 | 2.5% | < 30 | 86.8% | 89.0% | 50 - 150 | |
| Daminozide | 0.001 | 0.688 | 0.683 | 2.000 | 0.9% | < 30 | 34.4% | 34.1% | 30 - 150 | |
| Diazinon | 0.000 | 0.338 | 0.347 | 0.400 | 2.6% | < 30 | 84.5% | 86.8% | 50 - 150 | |
| Dichlorvos | 0.102 | 1.771 | 1.704 | 2.000 | 4.1% | < 30 | 83.5% | 80.1% | 50 - 150 | |
| Dimethoate | 0.000 | 0.361 | 0.380 | 0.400 | 5.0% | < 30 | 90.3% | 94.9% | 50 - 150 | |
| Ethoprophos | 0.000 | 0.353 | 0.372 | 0.400 | 5.1% | < 30 | 88.3% | 92.9% | 50 - 150 | |
| Etofenprox | 0.000 | 0.742 | 0.780 | 0.800 | 4.9% | < 30 | 92.8% | 97.5% | 50 - 150 | |
| Etoxazole | 0.003 | 0.332 | 0.348 | 0.400 | 4.9% | < 30 | 82.2% | 86.3% | 50 - 150 | |
| Fenoxycarb | 0.000 | 0.348 | 0.351 | 0.400 | 0.8% | < 30 | 87.1% | 87.8% | 50 - 150 | |
| Fenpyroximate | 0.001 | 0.731 | 0.729 | 0.800 | 0.3% | < 30 | 91.2% | 90.9% | 50 - 150 | |
| Fipronil | 0.000 | 0.764 | 0.752 | 0.800 | 1.6% | < 30 | 95.5% | 94.0% | 50 - 150 | |
| Flonicamid | 0.000 | 0.966 | 0.910 | 1.000 | 6.0% | < 30 | 96.6% | 91.0% | 50 - 150 | |
| Fludioxonil | 0.000 | 0.749 | 0.745 | 0.800 | 0.6% | < 30 | 93.6% | 93.1% | 50 - 150 | |
| Hexythiazox | 0.000 | 1.012 | 1.059 | 1.000 | 4.5% | < 30 | 101.2% | 105.9% | 50 - 150 | |
| Imazalil | 0.000 | 0.376 | 0.392 | 0.400 | 4.0% | < 30 | 94.0% | 97.9% | 50 - 150 | |
| Imidacloprid | 0.000 | 0.687 | 0.705 | 0.800 | 2.5% | < 30 | 85.9% | 88.1% | 50 - 150 | |
| Kresoxim-methyl | 0.000 | 0.718 | 0.710 | 0.800 | 1.0% | < 30 | 89.7% | 88.8% | 50 - 150 | |
| Malathion | 0.000 | 0.338 | 0.356 | 0.400 | 5.2% | < 30 | 84.5% | 89.0% | 50 - 150 | |
| Metalaxyl | 0.000 | 0.357 | 0.357 | 0.400 | 0.2% | < 30 | 89.2% | 89.3% | 50 - 150 | |
| Methiocarb | 0.000 | 0.363 | 0.384 | 0.400 | 5.8% | < 30 | 90.6% | 96.1% | 50 - 150 | |
| Methomyl | 0.000 | 0.693 | 0.719 | 0.800 | 3.7% | < 30 | 86.6% | 89.9% | 50 - 150 | |
| MGK-264 | 0.000 | 0.357 | 0.353 | 0.400 | 1.2% | < 30 | 89.2% | 88.1% | 50 - 150 | |
| Myclobutanil | 0.000 | 0.363 | 0.401 | 0.400 | 9.9% | < 30 | 90.8% | 100.2% | 50 - 150 | |
| Naled | 0.000 | 0.883 | 0.928 | 1.000 | 5.0% | < 30 | 88.3% | 92.8% | 50 - 150 | |
| Oxamyl | 0.000 | 1.869 | 1.741 | 2.000 | 7.1% | < 30 | 93.4% | 87.0% | 50 - 150 | |
| Paclobutrazole | 0.000 | 0.719 | 0.725 | 0.800 | 0.9% | < 30 | 89.9% | 90.6% | 50 - 150 | |
| Parathion-Methyl | 0.000 | 0.331 | 0.365 | 0.400 | 10.0% | < 30 | 82.7% | 91.3% | 30 - 150 | |
| Permethrin | 0.000 | 0.384 | 0.403 | 0.400 | 4.7% | < 30 | 96.1% | 100.7% | 50 - 150 | |
| Phosmet | 0.000 | 0.366 | 0.386 | 0.400 | 5.3% | < 30 | 91.4% | 96.4% | 50 - 150 | |
| Piperonyl butoxide | 0.000 | 1.673 | 1.729 | 2.000 | 3.3% | < 30 | 83.7% | 86.4% | 50 - 150 | |
| Prallethrin | 0.000 | 0.367 | 0.364 | 0.400 | 0.8% | < 30 | 91.7% | 91.0% | 50 - 150 | |
| Propiconazole | 0.026 | 0.753 | 0.763 | 0.800 | 1.4% | < 30 | 90.8% | 92.1% | 50 - 150 | |
| Propoxur | 0.000 | 0.365 | 0.377 | 0.400 | 3.2% | < 30 | 91.3% | 94.4% | 50 - 150 | |
| Pyrethrin (Summe) | 0.003 | 0.427 | 0.437 | 0.488 | 2.4% | < 30 | 86.8% | 88.9% | 50 - 150 | |
| Pyridaben | 0.000 | 0.411 | 0.430 | 0.400 | 4.5% | < 30 | 102.7% | 107.4% | 50 - 150 | |
| Spinosad | 0.000 | 0.337 | 0.373 | 0.388 | 10.0% | < 30 | 86.9% | 96.0% | 50 - 150 | |
| Spiromesifen | 0.000 | 0.359 | 0.374 | 0.400 | 4.0% | < 30 | 89.8% | 93.5% | 50 - 150 | |
| Spirotetramat | 0.000 | 0.366 | 0.369 | 0.400 | 0.8% | < 30 | 91.4% | 92.2% | 50 - 150 | |
| Spiroxamine | 0.000 | 0.731 | 0.764 | 0.800 | 4.4% | < 30 | 91.4% | 95.5% | 50 - 150 | |
| Tebuconazole | 0.010 | 0.705 | 0.731 | 0.800 | 3.7% | < 30 | 86.9% | 90.2% | 50 - 150 | |
| Thiacloprid | 0.000 | 0.359 | 0.370 | 0.400 | 3.1% | < 30 | 89.7% | 92.5% | 50 - 150 | |
| Thiamethoxam | 0.000 | 0.352 | 0.353 | 0.400 | 0.3% | < 30 | 88.0% | 88.2% | 50 - 150 | |
| Trifloxystrobin | 0.000 | 0.348 | 0.363 | 0.400 | 4.1% | < 30 | 87.1% | 90.8% | 50 - 150 | |

Columbia LABORATORIES
A Tentamus Company

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

| | |
|---|---|
| **Report Number:** | 23-013600/D009.R000 |
| **Report Date:** | 11/27/2023 |
| **ORELAP#:** | OR100028 |
| **Purchase Order:** | 2728869 |
| **Received:** | 11/16/23 16:10 |

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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 | Quantitaion 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. |