Columbia LABORATORIES
A Tentamus Company

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

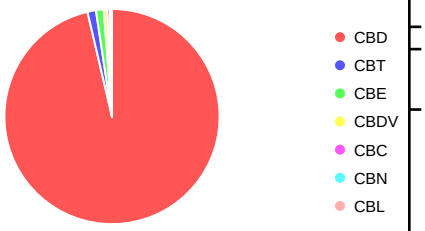
**Report Number:** 24-012680/D001.R000
**Report Date:** 11/15/2024
**ORELAP#:** OR100028
**Purchase Order:**
**Received:** 11/08/24 14:20

**Product identity:** CBD Distillate Broad Spec
**Client/Metrc ID:** .
**Laboratory ID:** 24-012680-0001

## Summary

### Potency:

| Analyte | Result (%) |
|---|---|
| CBD | 82.7 |
| CBT | 1.09 |
| CBE | 0.997 |
| CBDV | 0.468 |
| CBC | 0.344 |
| CBN | 0.150 |
| CBL | 0.0965 |




CBD-Total⊥ 82.7%

Delta-9-THC-Total⊥ <LOQ

(Reported in percent of total sample)

### Residual Solvents:

*All analytes passing and less than LOQ.*

### Pesticides:

*All analytes passing and less than LOQ.*

### Metals:

*Less than LOQ for all analytes.*

### Microbiology:

*Less than LOQ for all analytes.*

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**Received:** 11/08/24 14:20

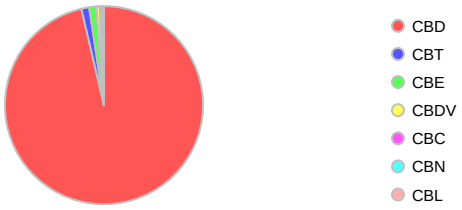
**Customer:** Zero Point Extraction
2615 SW CESSNA DR
Prineville Oregon 97754
United States of America (USA)

**Product identity:** CBD Distillate Broad Spec
**Client/Metrc ID:** .
**Sample Date:**
**Laboratory ID:** 24-012680-0001
**Evidence of Cooling:** No
**Temp:** 23 °C
**Lot #:** ZPE-21208

## Sample Results

Potency **Method:** J AOAC 2015 V98-6 (mod)[þ] **Units** % **Batch:** 2408754 **Analyze:** 11/11/24 9:37:00 PM

| Analyte | As Received | Dry weight | LOQ | Notes |
|---|---|---|---|---|
| CBC | 0.344 | | 0.0696 | |
| CBC-A | < LOQ | | 0.0696 | |
| CBC-Total | 0.344 | | 0.131 | |
| CBD[⊥] | 82.7 | | 0.696 | |
| CBD-A[⊥] | < LOQ | | 0.0696 | |
| CBD-Total[⊥] | 82.7 | | 0.757 | |
| CBDV | 0.468 | | 0.0696 | |
| CBDV-A | < LOQ | | 0.0696 | |
| CBDV-Total | 0.468 | | 0.130 | |
| CBE | 0.997 | | 0.0696 | |
| CBG | < LOQ | | 0.0696 | |
| CBG-A | < LOQ | | 0.0696 | |
| CBG-Total | < LOQ | | 0.130 | |
| CBL | 0.0965 | | 0.0696 | |
| CBL-A | < LOQ | | 0.0696 | |
| CBL-Total | < LOQ | | 0.131 | |
| CBN | 0.150 | | 0.0696 | |
| CBT | 1.09 | | 0.0696 | |
| Δ10-THC-9R | < LOQ | | 0.0696 | |
| Δ10-THC-9S | < LOQ | | 0.0696 | |
| Δ10-THC-Total | < LOQ | | 0.139 | |
| Δ8-THC[⊥] | < LOQ | | 0.0696 | |
| Δ8-THCV | < LOQ | | 0.0696 | |
| Δ9-THC[⊥] | < LOQ | | 0.0696 | |
| Δ9-THC-A[⊥] | < LOQ | | 0.0696 | |
| Δ9-THC-Total[⊥] | < LOQ | | 0.131 | |
| Δ9-THCP | < LOQ | | 0.0696 | |
| Δ9-THCV | < LOQ | | 0.0696 | |
| Δ9-THCV-A | < LOQ | | 0.0696 | |
| Δ9-THCV-Total | < LOQ | | 0.130 | |
| **Total Cannabinoids** | 85.8 | | | |



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**Received:** 11/08/24 14:20

## Microbiology

| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed | Method | Status | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Salmonella spp.⊥ | Negative | | /g | | 2408705 | 11/11/24 | AOAC 2020.02þ | | |
| EHEC including STEC⊥ | Negative | | /g | | 2408706 | 11/11/24 | AOAC RI 121806þ | | |

## Solvents

**Method:** Residual Solvents by HS-GC-MSþ **Units** µg/g **Batch** 2408734 **Analyze** 11/11/24 04:58 PM

| Analyte | Result | Limits | LOQ | Status | Notes | Analyte | Result | Limits | LOQ | Status | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane⊥ | < LOQ | 380 | 100 | pass | | 2-Butanol⊥ | < LOQ | 5000 | 200 | pass | |
| 2-Ethoxyethanol⊥ | < LOQ | 160 | 30.0 | pass | | 2-Methylbutane (Isopentane)⊥ | < LOQ | | 200 | | |
| 2-Methylpentane⊥ | < LOQ | | 30.0 | | | 2-Propanol (IPA)⊥ | < LOQ | 5000 | 200 | pass | |
| 2,2-Dimethylbutane⊥ | < LOQ | | 30.0 | | | 2,2-Dimethylpropane (neo-pentane)⊥ | < LOQ | | 200 | | |
| 2,3-Dimethylbutane⊥ | < LOQ | | 30.0 | | | 3-Methylpentane⊥ | < LOQ | | 30.0 | | |
| Acetone⊥ | < LOQ | 5000 | 200 | pass | | Acetonitrile⊥ | < LOQ | 410 | 100 | pass | |
| Benzene⊥ | < LOQ | 2.00 | 1.00 | pass | | Butanes (sum)⊥ | < LOQ | 5000 | 400 | pass | |
| Cyclohexane⊥ | < LOQ | 3880 | 200 | pass | | Ethyl acetate⊥ | < LOQ | 5000 | 200 | pass | |
| Ethyl benzene | < LOQ | | 200 | | | Ethyl ether⊥ | < LOQ | 5000 | 200 | pass | |
| Ethylene glycol⊥ | < LOQ | 620 | 200 | pass | | Ethylene oxide⊥ | < LOQ | 50.0 | 20.0 | pass | |
| Hexanes (sum)⊥ | < LOQ | 290 | 150 | pass | | Isopropyl acetate⊥ | < LOQ | 5000 | 200 | pass | |
| Isopropylbenzene (Cumene)⊥ | < LOQ | 70.0 | 30.0 | pass | | m,p-Xylene⊥ | < LOQ | | 200 | | |
| Methanol⊥ | < LOQ | 3000 | 200 | pass | | Methylene chloride⊥ | < LOQ | 600 | 60.0 | pass | |
| Methylpropane (Isobutane)⊥ | < LOQ | | 200 | | | n-Butane⊥ | < LOQ | | 200 | | |
| n-Heptane⊥ | < LOQ | 5000 | 200 | pass | | n-Hexane⊥ | < LOQ | | 30.0 | | |
| n-Pentane⊥ | < LOQ | | 200 | | | o-Xylene⊥ | < LOQ | | 200 | | |
| Pentanes (sum) | < LOQ | 5000 | 600 | pass | | Propane | < LOQ | 5000 | 200 | pass | |
| Tetrahydrofuran⊥ | < LOQ | 720 | 100 | pass | | Toluene⊥ | < LOQ | 890 | 100 | pass | |
| Total Xylenes⊥ | < LOQ | | 400 | | | Total Xylenes and Ethyl benzene | < LOQ | 2170 | 600 | pass | |

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**Purchase Order:**
**Received:** 11/08/24 14:20

## Pesticides

**Method:** AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2408726 **Analyze** 11/11/24 01:14 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-ethyl⊥ | < LOQ | 0.20 | 0.100 | pass | |
| Clofentezine⊥ | < LOQ | 0.20 | 0.100 | pass | | Cyfluthrin (sum )⊥ | < LOQ | 1.0 | 0.500 | pass | |
| Cypermethrin and | < 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 | 0.0899 | 2408821 | 11/14/24 | AOAC 2013.06 (mod.)þ | pass | |
| Cadmium⊥ | < LOQ | 0.200 | mg/kg | 0.0899 | 2408821 | 11/14/24 | AOAC 2013.06 (mod.)þ | pass | |
| Lead⊥ | < LOQ | 0.500 | mg/kg | 0.0899 | 2408821 | 11/14/24 | AOAC 2013.06 (mod.)þ | pass | |
| Mercury⊥ | < LOQ | 0.100 | mg/kg | 0.0449 | 2408821 | 11/14/24 | AOAC 2013.06 (mod.)þ | pass | |

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## Mycotoxins

| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed | Method | Status | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Aflatoxin B1⊥ | < LOQ | | µg/kg | 5.00 | 2408801 | 11/13/24 | AOAC 2007.01 & EN 15662 (mod) | | |
| Aflatoxin B2⊥ | < LOQ | | µg/kg | 5.00 | 2408801 | 11/13/24 | AOAC 2007.01 & EN 15662 (mod) | | |
| Aflatoxin G1⊥ | < LOQ | | µg/kg | 5.00 | 2408801 | 11/13/24 | AOAC 2007.01 & EN 15662 (mod) | | |
| Aflatoxin G2⊥ | < LOQ | | µg/kg | 5.00 | 2408801 | 11/13/24 | AOAC 2007.01 & EN 15662 (mod) | | |
| Ochratoxin A⊥ | < LOQ | 20.0 | µg/kg | 5.00 | 2408801 | 11/13/24 | AOAC 2007.01 & EN 15662 (mod) | pass | |
| Total Aflatoxins | < LOQ | 20.0 | µg/kg | 20.0 | | 11/15/24 | AOAC 2007.01 & EN 15662 (mod)[b] | pass | |

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| | |
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| **Report Date:** | 11/15/2024 |
| **ORELAP#:** | OR100028 |
| **Purchase Order:** | |
| **Received:** | 11/08/24 14:20 |

***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.

ᵬ = ISO/IEC 17025:2017 accredited method.
⊥ = TNI accredited analyte.

***Units of Measure***

µg/g = Microgram per gram
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/kg = Milligram per kilogram = parts per million (ppm)
/g = Per gram
% = Percentage of sample
% wt = µg/g divided by 10,000

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Columbia LABORATORIES
A Tentamus Company

Hemp & Cannabis
Chain of Custody

zeropointextraction-
1730922691

Company Details
Company: zeropointextraction
Contact: rick ezrine
Street Address: 2615 SW Cessna LN
City, State, Zip: prineville, OR 97754
Email: rick@publichempco.com
Contact Phone: 5419129109

Billing Information
Billing Email: rick@publichempco.com

Project Details
Turnaround Time: 5 Business Days | Req. For Micro Testing | Standard
Relinquishment | Sampling, Courier & Shipping Options: By Shipping Service (USPS, UPS, Fedex)
Receipt Information
Prelog Storage: Canna Shelves
Sample Condition: Satisfactory

| # | Sample Name | Lot \| Additional Sample ID | Material | Amount Provided | Reporting Unit | Testing: CH005 - Oregon Package |
|---|---|---|---|---|---|---|
| 1 | CBD Distillate Broad Spec | ZPE-21208 | Cannabinoid Extract | 10 g | % | ✓ |

Package Details

Oregon Package: A atoxins+Ochratoxin | OLCC • Cannabis Heavy Metals Pro le OR • Micro Pro le OR (OLCC Comp) • Pesticides (OR - Cannabis) • Potency Cannabis (Basic+Expanded) • Residual Solvents (Cannabis - Oregon)

| Relinquished By | Date | Time | Received By | Date | Time | Received Temp., °C | Evidence of Cooling? |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

*Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of services associated with this COC. By signing "Relinquished by" you are agreeing to these terms.*

*Columbia Laboratories*
*12423 NE Whitaker Way*
*Portland, OR 97230*

*P: (503) 254-1794*
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*Page 1 of 1*
*www.columbialaboratories.com*

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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:** 2408726

| Method Blank | | | | Laboratory Control Sample | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte** | **Blank Result** | **Blank Limits** | **Notes** | **LCS Result** | **LCS Spike** | **LCS % Rec** | **Limits** | | **Notes** |
| Abamectin | 0.000 | < 0.250 | | 0.899 | 1.000 | 89.9 | 50.0 | 150 | |
| Acephate | 0.000 | < 0.200 | | 0.536 | 0.800 | 67.1 | 60.0 | 120 | |
| Acequinocyl | 0.000 | < 1.000 | | 3.729 | 4.000 | 93.2 | 40.0 | 160 | |
| Acetamiprid | 0.000 | < 0.100 | | 0.331 | 0.400 | 82.7 | 60.0 | 120 | |
| Aldicarb | 0.000 | < 0.200 | | 0.654 | 0.800 | 81.8 | 60.0 | 120 | |
| Azoxystrobin | 0.012 | < 0.100 | | 0.341 | 0.400 | 85.1 | 60.0 | 120 | |
| Bifenazate | 0.000 | < 0.100 | | 0.318 | 0.400 | 79.4 | 60.0 | 120 | |
| Bifenthrin | 0.020 | < 0.100 | | 0.338 | 0.400 | 84.5 | 50.0 | 150 | |
| Boscalid | 0.036 | < 0.200 | | 0.662 | 0.800 | 82.7 | 60.0 | 120 | |
| Carbaryl | 0.000 | < 0.100 | | 0.326 | 0.400 | 81.5 | 60.0 | 120 | |
| Carbofuran | 0.000 | < 0.100 | | 0.330 | 0.400 | 82.6 | 60.0 | 120 | |
| Chlorantraniliprole | 0.000 | < 0.100 | | 0.327 | 0.400 | 81.6 | 60.0 | 120 | |
| Chlorfenapyr | 0.000 | < 0.500 | | 1.209 | 2.000 | 60.5 | 60.0 | 120 | |
| Chlorpyrifos | 0.001 | < 0.100 | | 0.373 | 0.400 | 93.3 | 60.0 | 120 | |
| Clofentezine | 0.000 | < 0.100 | | 0.330 | 0.400 | 82.6 | 60.0 | 120 | |
| Cyfluthrin | 0.000 | < 0.500 | | 1.873 | 2.000 | 93.7 | 50.0 | 150 | |
| Cypermethrin | 0.000 | < 0.500 | | 1.741 | 2.000 | 87.1 | 50.0 | 150 | |
| Daminozide | 0.000 | < 0.500 | | 2.359 | 2.000 | 117.9 | 60.0 | 120 | |
| Diazinon | 0.022 | < 0.100 | | 0.364 | 0.400 | 90.9 | 60.0 | 120 | |
| Dichlorvos | 0.000 | < 0.500 | | 1.648 | 2.000 | 82.4 | 60.0 | 120 | |
| Dimethoate | 0.024 | < 0.100 | | 0.324 | 0.400 | 81.0 | 60.0 | 120 | |
| Ethoprophos | 0.000 | < 0.100 | | 0.323 | 0.400 | 80.8 | 60.0 | 120 | |
| Etofenprox | 0.059 | < 0.200 | | 0.670 | 0.800 | 83.8 | 50.0 | 150 | |
| Etoxazole | 0.000 | < 0.100 | | 0.339 | 0.400 | 84.7 | 60.0 | 120 | |
| Fenoxycarb | 0.000 | < 0.100 | | 0.329 | 0.400 | 82.2 | 60.0 | 120 | |
| Fenpyroximate | 0.042 | < 0.200 | | 0.715 | 0.800 | 89.3 | 60.0 | 120 | |
| Fipronil | 0.000 | < 0.200 | | 0.654 | 0.800 | 81.8 | 60.0 | 120 | |
| Flonicamid | 0.000 | < 0.250 | | 0.745 | 1.000 | 74.5 | 60.0 | 120 | |
| Fludioxonil | 0.009 | < 0.200 | | 0.737 | 0.800 | 92.2 | 50.0 | 150 | |
| Hexythiazox | 0.000 | < 0.250 | | 0.854 | 1.000 | 85.4 | 60.0 | 120 | |
| Imazalil | 0.000 | < 0.100 | | 0.362 | 0.400 | 90.5 | 60.0 | 120 | |
| Imidacloprid | 0.044 | < 0.200 | | 0.650 | 0.800 | 81.3 | 60.0 | 120 | |
| Kresoxim-methyl | 0.000 | < 0.200 | | 0.690 | 0.800 | 86.2 | 60.0 | 120 | |
| Malathion | 0.018 | < 0.100 | | 0.330 | 0.400 | 82.4 | 60.0 | 120 | |
| Metalaxyl | 0.018 | < 0.100 | | 0.342 | 0.400 | 85.6 | 60.0 | 120 | |
| Methiocarb | 0.000 | < 0.100 | | 0.310 | 0.400 | 77.4 | 60.0 | 120 | |
| Methomyl | 0.000 | < 0.200 | | 0.649 | 0.800 | 81.1 | 60.0 | 120 | |
| MGK-264 | 0.000 | < 0.100 | | 0.347 | 0.400 | 86.7 | 50.0 | 150 | |
| Myclobutanil | 0.017 | < 0.100 | | 0.338 | 0.400 | 84.6 | 60.0 | 120 | |
| Naled | 0.000 | < 0.250 | | 0.851 | 1.000 | 85.1 | 50.0 | 150 | |
| Oxamyl | 0.000 | < 0.500 | | 1.663 | 2.000 | 83.2 | 60.0 | 120 | |
| Paclobutrazole | 0.000 | < 0.200 | | 0.700 | 0.800 | 87.5 | 60.0 | 120 | |
| Parathion-Methyl | 0.035 | < 0.100 | | 0.404 | 0.400 | 101.1 | 50.0 | 150 | |
| Permethrin | 0.023 | < 0.100 | | 0.317 | 0.400 | 79.3 | 50.0 | 150 | |
| Phosmet | 0.000 | < 0.100 | | 0.330 | 0.400 | 82.5 | 50.0 | 150 | |
| Piperonyl butoxide | 0.000 | < 0.500 | | 1.528 | 2.000 | 76.4 | 60.0 | 120 | |
| Prallethrin | 0.000 | < 0.100 | | 0.343 | 0.400 | 85.8 | 60.0 | 120 | |
| Propiconazole | 0.000 | < 0.200 | | 0.690 | 0.800 | 86.2 | 60.0 | 120 | |
| Propoxur | 0.015 | < 0.100 | | 0.328 | 0.400 | 82.1 | 60.0 | 120 | |
| Pyrethrin (Summe) | 0.000 | < 0.100 | | 0.404 | 0.488 | 82.8 | 60.0 | 120 | |
| Pyridaben | 0.019 | < 0.100 | | 0.374 | 0.400 | 93.5 | 50.0 | 150 | |
| Spinosad | 0.000 | < 0.100 | | 0.376 | 0.388 | 96.9 | 50.0 | 150 | |
| Spiromesifen | 0.000 | < 0.100 | | 0.344 | 0.400 | 86.1 | 60.0 | 120 | |
| Spirotetramat | 0.000 | < 0.100 | | 0.338 | 0.400 | 84.5 | 60.0 | 120 | |
| Spiroxamine | 0.000 | < 0.200 | | 0.703 | 0.800 | 87.8 | 60.0 | 120 | |

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503-254-1794

**Report Number:** 24-012680/D001.R000
**Report Date:** 11/15/2024
**ORELAP#:** OR100028
**Purchase Order:**
**Received:** 11/08/24 14:20

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:** 2408726

**Matrix Spike/Matrix Spike Duplicate Recoveries** **Sample ID: 24-012680-0001**

| Analyte | Result | MS Res | MSD Res | Spike | RPD% | Limit | MS % Rec | MSD % Rec | Limits | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| Abamectin | 0.000 | 0.879 | 0.932 | 1.000 | 5.9% | < 30 | 87.9% | 93.2% | 50 - 150 | |
| Acephate | 0.000 | 0.536 | 0.473 | 0.800 | 12.6% | < 30 | 67.0% | 59.1% | 50 - 150 | |
| Acequinocyl | 0.000 | 2.388 | 2.709 | 4.000 | 12.6% | < 30 | 59.7% | 67.7% | 50 - 150 | |
| Acetamiprid | 0.000 | 0.309 | 0.327 | 0.400 | 5.7% | < 30 | 77.2% | 81.7% | 50 - 150 | |
| Aldicarb | 0.000 | 0.582 | 0.606 | 0.800 | 4.0% | < 30 | 72.7% | 75.7% | 50 - 150 | |
| Azoxystrobin | 0.013 | 0.311 | 0.334 | 0.400 | 7.3% | < 30 | 74.6% | 80.2% | 50 - 150 | |
| Bifenazate | 0.000 | 0.328 | 0.341 | 0.400 | 3.6% | < 30 | 82.1% | 85.1% | 50 - 150 | |
| Bifenthrin | 0.000 | 0.174 | 0.190 | 0.400 | 8.6% | < 30 | 43.5% | 47.4% | 50 - 150 | Q |
| Boscalid | 0.000 | 0.584 | 0.617 | 0.800 | 5.5% | < 30 | 73.0% | 77.1% | 50 - 150 | |
| Carbaryl | 0.000 | 0.301 | 0.315 | 0.400 | 4.6% | < 30 | 75.2% | 78.8% | 50 - 150 | |
| Carbofuran | 0.000 | 0.303 | 0.331 | 0.400 | 9.0% | < 30 | 75.7% | 82.8% | 50 - 150 | |
| Chlorantraniliprole | 0.000 | 0.314 | 0.340 | 0.400 | 8.0% | < 30 | 78.6% | 85.1% | 50 - 150 | |
| Chlorfenapyr | 0.000 | 2.076 | 2.691 | 2.000 | 25.8% | < 30 | 103.8% | 134.6% | 50 - 150 | |
| Chlorpyrifos | 0.021 | 0.334 | 0.373 | 0.400 | 11.9% | < 30 | 78.1% | 88.1% | 50 - 150 | |
| Clofentezine | 0.000 | 0.271 | 0.300 | 0.400 | 10.1% | < 30 | 67.8% | 75.0% | 50 - 150 | |
| Cyfluthrin | 0.000 | 1.379 | 1.492 | 2.000 | 7.8% | < 30 | 69.0% | 74.6% | 30 - 150 | |
| Cypermethrin | 0.023 | 1.681 | 1.785 | 2.000 | 6.1% | < 30 | 82.9% | 88.1% | 50 - 150 | |
| Daminozide | 0.231 | 1.950 | 2.086 | 2.000 | 7.6% | < 30 | 85.9% | 92.7% | 30 - 150 | |
| Diazinon | 0.023 | 0.333 | 0.348 | 0.400 | 4.6% | < 30 | 77.4% | 81.0% | 50 - 150 | |
| Dichlorvos | 0.152 | 1.491 | 1.527 | 2.000 | 2.6% | < 30 | 67.0% | 68.7% | 50 - 150 | |
| Dimethoate | 0.024 | 0.289 | 0.298 | 0.400 | 3.3% | < 30 | 66.2% | 68.4% | 50 - 150 | |
| Ethoprophos | 0.027 | 0.302 | 0.321 | 0.400 | 6.9% | < 30 | 68.6% | 73.4% | 50 - 150 | |
| Etofenprox | 0.063 | 0.511 | 0.519 | 0.800 | 1.7% | < 30 | 56.0% | 57.0% | 50 - 150 | |
| Etoxazole | 0.000 | 0.264 | 0.286 | 0.400 | 7.9% | < 30 | 66.0% | 71.4% | 50 - 150 | |
| Fenoxycarb | 0.000 | 0.325 | 0.332 | 0.400 | 2.2% | < 30 | 81.2% | 83.0% | 50 - 150 | |
| Fenpyroximate | 0.045 | 0.654 | 0.730 | 0.800 | 11.8% | < 30 | 76.2% | 85.7% | 50 - 150 | |
| Fipronil | 0.000 | 0.572 | 0.657 | 0.800 | 13.7% | < 30 | 71.6% | 82.1% | 50 - 150 | |
| Flonicamid | 0.000 | 0.668 | 0.718 | 1.000 | 7.3% | < 30 | 66.8% | 71.8% | 50 - 150 | |
| Fludioxonil | 0.009 | 0.697 | 0.780 | 0.800 | 11.5% | < 30 | 86.0% | 96.5% | 50 - 150 | |
| Hexythiazox | 0.000 | 0.261 | 0.290 | 1.000 | 10.5% | < 30 | 26.1% | 29.0% | 50 - 150 | Q |
| Imazalil | 0.017 | 0.312 | 0.344 | 0.400 | 10.4% | < 30 | 73.6% | 81.7% | 50 - 150 | |
| Imidacloprid | 0.043 | 0.556 | 0.602 | 0.800 | 8.5% | < 30 | 64.1% | 69.8% | 50 - 150 | |
| Kresoxim-methyl | 0.000 | 0.590 | 0.647 | 0.800 | 9.3% | < 30 | 73.7% | 80.9% | 50 - 150 | |
| Malathion | 0.021 | 0.288 | 0.304 | 0.400 | 5.6% | < 30 | 66.9% | 70.8% | 50 - 150 | |
| Metalaxyl | 0.000 | 0.304 | 0.322 | 0.400 | 6.0% | < 30 | 75.9% | 80.6% | 50 - 150 | |
| Methiocarb | 0.000 | 0.293 | 0.302 | 0.400 | 2.9% | < 30 | 73.4% | 75.5% | 50 - 150 | |
| Methomyl | 0.000 | 0.601 | 0.630 | 0.800 | 4.8% | < 30 | 75.1% | 78.8% | 50 - 150 | |
| MGK-264 | 0.000 | 0.202 | 0.224 | 0.400 | 10.3% | < 30 | 50.5% | 56.0% | 50 - 150 | |
| Myclobutanil | 0.000 | 0.317 | 0.330 | 0.400 | 4.1% | < 30 | 79.3% | 82.6% | 50 - 150 | |
| Naled | 0.000 | 0.745 | 0.784 | 1.000 | 5.0% | < 30 | 74.5% | 78.4% | 50 - 150 | |
| Oxamyl | 0.000 | 1.526 | 1.741 | 2.000 | 13.1% | < 30 | 76.3% | 87.0% | 50 - 150 | |
| Paclobutrazole | 0.021 | 0.585 | 0.640 | 0.800 | 9.3% | < 30 | 70.4% | 77.3% | 50 - 150 | |
| Parathion-Methyl | 0.000 | 0.534 | 0.542 | 0.400 | 1.5% | < 30 | 133.6% | 135.6% | 30 - 150 | |
| Permethrin | 0.024 | 0.284 | 0.294 | 0.400 | 3.7% | < 30 | 65.2% | 67.6% | 50 - 150 | |
| Phosmet | 0.000 | 0.297 | 0.306 | 0.400 | 2.9% | < 30 | 74.3% | 76.4% | 50 - 150 | |
| Piperonyl butoxide | 0.000 | 1.276 | 1.099 | 2.000 | 14.9% | < 30 | 63.8% | 54.9% | 50 - 150 | |
| Prallethrin | 0.016 | 0.308 | 0.336 | 0.400 | 9.2% | < 30 | 73.1% | 80.2% | 50 - 150 | |
| Propiconazole | 0.040 | 0.597 | 0.599 | 0.800 | 0.4% | < 30 | 69.7% | 69.9% | 50 - 150 | |
| Propoxur | 0.018 | 0.299 | 0.310 | 0.400 | 4.0% | < 30 | 70.2% | 73.1% | 50 - 150 | |
| Pyrethrin (Summe) | 0.032 | 0.471 | 0.538 | 0.488 | 14.3% | < 30 | 89.9% | 103.8% | 50 - 150 | |
| Pyridaben | 0.015 | 0.324 | 0.340 | 0.400 | 5.1% | < 30 | 77.0% | 81.1% | 50 - 150 | |
| Spinosad | 0.000 | 0.340 | 0.391 | 0.388 | 13.8% | < 30 | 87.7% | 100.7% | 50 - 150 | |
| Spiromesifen | 0.020 | 0.231 | 0.257 | 0.400 | 11.6% | < 30 | 52.8% | 59.3% | 50 - 150 | |
| Spirotetramat | 0.000 | 0.299 | 0.323 | 0.400 | 7.7% | < 30 | 74.7% | 80.7% | 50 - 150 | |
| Spiroxamine | 0.044 | 0.627 | 0.648 | 0.800 | 3.7% | < 30 | 72.8% | 75.5% | 50 - 150 | |

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**ORELAP#:** OR100028
**Purchase Order:**
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Revision: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

## Laboratory Quality Control Results

**Residual Solvents** **Batch ID:** 2408734

| Method Blank | | | | | Laboratory Control Sample | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Analyte** | **Result** | | **LOQ** | **Notes** | **Result** | **Spike** | **Units** | **% Rec** | **Limits** | | | **Notes** |
| Propane | ND | < | 200 | | 504 | 585 | µg/g | 86.2 | 60 | - | 120 | |
| Isobutane | ND | < | 200 | | 634 | 770 | µg/g | 82.3 | 60 | - | 120 | |
| Butane | ND | < | 200 | | 658 | 769 | µg/g | 85.6 | 60 | - | 120 | |
| 2,2-Dimethylpropane | ND | < | 200 | | 827 | 956 | µg/g | 86.5 | 60 | - | 120 | |
| Methanol | ND | < | 200 | | 1420 | 1630 | µg/g | 87.1 | 60 | - | 120 | |
| Ethylene Oxide | ND | < | 20 | | 48.6 | 57.7 | µg/g | 84.2 | 60 | - | 120 | |
| 2-Methylbutane | ND | < | 200 | | 1410 | 1620 | µg/g | 87.0 | 60 | - | 120 | |
| Pentane | ND | < | 200 | | 1400 | 1620 | µg/g | 86.4 | 60 | - | 120 | |
| Ethanol | ND | < | 200 | | 1470 | 1620 | µg/g | 90.7 | 70 | - | 130 | |
| Ethyl Ether | ND | < | 200 | | 1480 | 1620 | µg/g | 91.4 | 60 | - | 120 | |
| 2,2-Dimethylbutane | ND | < | 30 | | 160 | 179 | µg/g | 89.4 | 60 | - | 120 | |
| Acetone | ND | < | 200 | | 1450 | 1620 | µg/g | 89.5 | 60 | - | 120 | |
| 2-Propanol | ND | < | 200 | | 1460 | 1620 | µg/g | 90.1 | 60 | - | 120 | |
| Ethyl Formate | ND | < | 500 | | 1150 | 1600 | µg/g | 71.9 | 70 | - | 130 | |
| Acetonitrile | ND | < | 100 | | 440 | 502 | µg/g | 87.6 | 60 | - | 120 | |
| Methyl Acetate | ND | < | 500 | | 1370 | 1600 | µg/g | 85.6 | 70 | - | 130 | |
| 2,3-Dimethylbutane | ND | < | 30 | | 156 | 180 | µg/g | 86.7 | 60 | - | 120 | |
| Dichloromethane | ND | < | 60 | | 499 | 533 | µg/g | 93.6 | 60 | - | 120 | |
| 2-Methylpentane | ND | < | 30 | | 172 | 181 | µg/g | 95.0 | 60 | - | 120 | |
| MTBE | ND | < | 500 | | 1390 | 1600 | µg/g | 86.9 | 70 | - | 130 | |
| 3-Methylpentane | ND | < | 30 | | 162 | 177 | µg/g | 91.5 | 60 | - | 120 | |
| Hexane | ND | < | 30 | | 166 | 182 | µg/g | 91.2 | 60 | - | 120 | |
| 1-Propanol | ND | < | 500 | | 1290 | 1600 | µg/g | 80.6 | 70 | - | 130 | |
| Methylethylketone | ND | < | 500 | | 1380 | 1600 | µg/g | 86.3 | 70 | - | 130 | |
| Ethyl acetate | ND | < | 200 | | 1490 | 1620 | µg/g | 92.0 | 60 | - | 120 | |
| 2-Butanol | ND | < | 200 | | 1500 | 1630 | µg/g | 92.0 | 60 | - | 120 | |
| Tetrahydrofuran | ND | < | 100 | | 458 | 499 | µg/g | 91.8 | 60 | - | 120 | |
| Cyclohexane | ND | < | 200 | | 1500 | 1610 | µg/g | 93.2 | 60 | - | 120 | |
| 2-methyl-1-propanol | ND | < | 500 | | 1270 | 1600 | µg/g | 79.4 | 70 | - | 130 | |
| Benzene | ND | < | 1 | | 4.93 | 5.01 | µg/g | 98.4 | 60 | - | 120 | |
| Isopropyl Acetate | ND | < | 200 | | 1510 | 1620 | µg/g | 93.2 | 60 | - | 120 | |
| Heptane | ND | < | 200 | | 1490 | 1610 | µg/g | 92.5 | 60 | - | 120 | |
| 1-Butanol | ND | < | 500 | | 1320 | 1600 | µg/g | 82.5 | 70 | - | 130 | |
| Propyl Acetate | ND | < | 500 | | 1410 | 1610 | µg/g | 87.6 | 70 | - | 130 | |
| 1,4-Dioxane | ND | < | 100 | | 445 | 493 | µg/g | 90.3 | 60 | - | 120 | |
| 2-Ethoxyethanol | ND | < | 30 | | 168 | 182 | µg/g | 92.3 | 60 | - | 120 | |
| Methylisobutylketone | ND | < | 500 | | 1380 | 1610 | µg/g | 85.7 | 70 | - | 130 | |
| 3-Methyl-1-butanol | ND | < | 500 | | 1320 | 1600 | µg/g | 82.5 | 70 | - | 130 | |
| Ethylene Glycol | ND | < | 200 | | 480 | 501 | µg/g | 95.8 | 60 | - | 120 | |
| Toluene | ND | < | 100 | | 473 | 501 | µg/g | 94.4 | 60 | - | 120 | |
| Isobutyl Acetate | ND | < | 500 | | 1280 | 1600 | µg/g | 80.0 | 70 | - | 130 | |
| 1-Pentanol | ND | < | 500 | | 1310 | 1600 | µg/g | 81.9 | 70 | - | 130 | |
| Butyl Acetate | ND | < | 500 | | 1340 | 1600 | µg/g | 83.8 | 70 | - | 130 | |
| Ethylbenzene | ND | < | 200 | | 918 | 981 | µg/g | 93.6 | 60 | - | 120 | |
| m,p-Xylene | ND | < | 200 | | 932 | 1000 | µg/g | 93.2 | 60 | - | 120 | |
| o-Xylene | ND | < | 200 | | 955 | 981 | µg/g | 97.3 | 60 | - | 120 | |
| Cumene | ND | < | 30 | | 168 | 177 | µg/g | 94.9 | 60 | - | 120 | |
| Anisole | ND | < | 500 | | 1470 | 1610 | µg/g | 91.3 | 70 | - | 130 | |
| DMSO | ND | < | 500 | | 1360 | 1600 | µg/g | 85.0 | 70 | - | 130 | |
| 1,2-dimethoxyethane | ND | < | 50 | | 142 | 164 | µg/g | 86.6 | 70 | - | 130 | |
| Triethylamine | ND | < | 500 | | 1350 | 1600 | µg/g | 84.4 | 70 | - | 130 | |
| N,N-dimethylformamide | ND | < | 150 | | 351 | 481 | µg/g | 73.0 | 70 | - | 130 | |
| N,N-dimethylacetamide | ND | < | 150 | | 467 | 486 | µg/g | 96.1 | 70 | - | 130 | |
| Pyridine | ND | < | 50 | | 125 | 168 | µg/g | 74.4 | 70 | - | 130 | |
| Sulfolane | ND | < | 50 | | 131 | 165 | µg/g | 79.4 | 70 | - | 130 | |
| 1,2-Dichloroethane | ND | < | 1 | | 0.948 | 1 | µg/g | 94.8 | 70 | - | 130 | |
| Chloroform | ND | < | 1 | | 0.96 | 1 | µg/g | 96.0 | 70 | - | 130 | |
| Trichloroethylene | ND | < | 1 | | 0.973 | 1 | µg/g | 97.3 | 70 | - | 130 | |
| 1,1-Dichloroethane | ND | < | 1 | | 0.974 | 1 | µg/g | 97.4 | 70 | - | 130 | |

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**QC - Sample Duplicate** **Sample ID: 24-012561-0001**

| 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 | 20 | 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

***Units of Measure:***

µg/g- Microgram per gram or ppm

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

## Laboratory Quality Control Results

**J AOAC 2015 V98-6** **Batch ID: 2408754**

**Laboratory Control Sample**

| Analyte | LCS | Result | Spike | Units | % Rec | Limits | Evaluation | Notes |
|---|---|---|---|---|---|---|---|---|
| CBDVA | 2 | 0.0857 | 0.0860 | % | 99.6 | 80.0 - 120 | Acceptable | |
| CBDV | 2 | 0.0856 | 0.0868 | % | 98.6 | 80.0 - 120 | Acceptable | |
| CBE | 2 | 0.0931 | 0.0938 | % | 99.3 | 80.0 - 120 | Acceptable | |
| CBDA | 1 | 0.0913 | 0.0925 | % | 98.8 | 90.0 - 110 | Acceptable | |
| CBGA | 1 | 0.0876 | 0.0882 | % | 99.4 | 80.0 - 120 | Acceptable | |
| CBG | 1 | 0.0875 | 0.0876 | % | 99.9 | 80.0 - 120 | Acceptable | |
| CBD | 1 | 0.0829 | 0.0846 | % | 97.9 | 90.0 - 110 | Acceptable | |
| THCV | 2 | 0.0868 | 0.0878 | % | 98.9 | 80.0 - 120 | Acceptable | |
| d8THCV | 2 | 0.0919 | 0.0943 | % | 97.5 | 80.0 - 120 | Acceptable | |
| THCVA | 2 | 0.0893 | 0.0843 | % | 106 | 80.0 - 120 | Acceptable | |
| CBN | 1 | 0.0842 | 0.0849 | % | 99.2 | 80.0 - 120 | Acceptable | |
| exo-THC | 2 | 0.0851 | 0.0872 | % | 97.5 | 80.0 - 120 | Acceptable | |
| d9THC | 1 | 0.0866 | 0.0861 | % | 101 | 90.0 - 110 | Acceptable | |
| d8THC | 1 | 0.0827 | 0.0862 | % | 95.9 | 90.0 - 110 | Acceptable | |
| 9S-d10THC | 1 | 0.0863 | 0.0885 | % | 97.5 | 80.0 - 120 | Acceptable | |
| CBL | 2 | 0.0872 | 0.0907 | % | 96.1 | 80.0 - 120 | Acceptable | |
| 9S-HHC | 3 | 0.0857 | 0.0849 | % | 101 | 80.0 - 120 | Acceptable | |
| 9R-d10THC | 1 | 0.0888 | 0.0907 | % | 97.9 | 80.0 - 120 | Acceptable | |
| CBC | 2 | 0.0845 | 0.0865 | % | 97.7 | 80.0 - 120 | Acceptable | |
| 9R-HHC | 3 | 0.0827 | 0.0834 | % | 99.1 | 80.0 - 120 | Acceptable | |
| THCA | 1 | 0.0872 | 0.0893 | % | 97.6 | 90.0 - 110 | Acceptable | |
| CBCA | 2 | 0.0891 | 0.0898 | % | 99.3 | 80.0 - 120 | Acceptable | |
| CBLA | 2 | 0.0875 | 0.0880 | % | 99.4 | 80.0 - 120 | Acceptable | |
| d9THCP | 2 | 0.0843 | 0.0877 | % | 96.1 | 80.0 - 120 | Acceptable | |
| d8THCO | 3 | 0.0783 | 0.0822 | % | 95.2 | 80.0 - 120 | Acceptable | |
| CBT | 2 | 0.0857 | 0.0923 | % | 92.8 | 80.0 - 120 | Acceptable | |
| d9THCO | 3 | 0.0757 | 0.0774 | % | 97.9 | 80.0 - 120 | Acceptable | |

**Method Blank**

| Analyte | Result | LOQ | Units | Limits | Evaluation | Notes |
|---|---|---|---|---|---|---|
| CBDVA | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| CBDV | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| CBE | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| CBDA | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| CBGA | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| CBG | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| CBD | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| THCV | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| d8THCV | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| THCVA | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| CBN | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| exo-THC | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| d9THC | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| d8THC | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| 9S-d10THC | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| CBL | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| 9S-HHC | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| 9R-d10THC | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| CBC | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| 9R-HHC | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| THCA | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| CBCA | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| CBLA | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| d9THCP | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| d8THCO | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| CBT | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |
| d9THCO | <LOQ | 0.0729 | % | < 0.0729 | Acceptable | |

***Abbreviations***

ND - None Detected at or above MRL

Columbia LABORATORIES
A Tentamus Company

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

**Report Number:** 24-012680/D001.R000
**Report Date:** 11/15/2024
**ORELAP#:** OR100028
**Purchase Order:**
**Received:** 11/08/24 14:20

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

**Laboratory Quality Control Results**

**J AOAC 2015 V98-6** **Batch ID: 2408754**

**Sample Duplicate** Sample ID: **23-005487-0006**

| Analyte | Result | Org. Result | LOQ | Units | RPD | Limits | Evaluation | Notes |
|---|---|---|---|---|---|---|---|---|
| CBDVA | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| CBDV | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| CBE | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| CBDA | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| CBGA | 94.3 | 95.4 | 0.0735 | % | 1.15 | < 20 | Acceptable | |
| CBG | 2.17 | 2.50 | 0.0735 | % | 14.2 | < 20 | Acceptable | |
| CBD | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| THCV | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| d8THCV | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| THCVA | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| CBN | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| exo-THC | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| d9THC | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| d8THC | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| 9S-d10THC | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| CBL | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| 9S-HHC | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| 9R-d10THC | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| CBC | 0.117 | 0.122 | 0.0735 | % | 4.37 | < 20 | Acceptable | |
| 9R-HHC | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| THCA | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| CBCA | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| CBLA | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| d9THCP | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| d8THCO | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| CBT | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |
| d9THCO | <LOQ | <LOQ | 0.0735 | % | NA | < 20 | Acceptable | |

***Abbreviations***

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

***Units of Measure:***

% - Percent

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| | |
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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. |