

Certification of Analysis

labservices@ionizationlabs.com 512.277.3290



Prepared For:

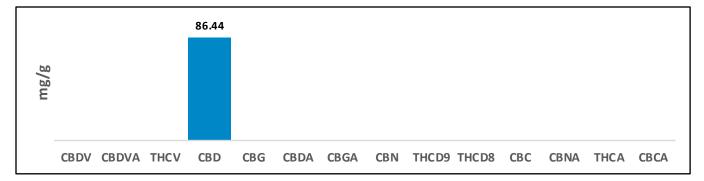
RAZAD Enterprises LLC Plano, TX 75024

Sample Information

| Test Date: | Oct 6, 2020, 1:02 PM | Sample Type: | Tincture | | | | | | |
|-----------------------|---|----------------|------------|--|--|--|--|--|--|
| Sample / Strain Name: | ZAR 2000 mg Tincture IL Unique ID: ILCTS354-1 | | | | | | | | |
| Lot # / Batch ID: | 05J0130 | | | | | | | | |
| Sample Description: | Clear tincture oil | | | | | | | | |
| Notes: | Unit weight is 28.4 grams per 1 o | zbottle | | | | | | | |
| Analyst Name: | Enrique Orci IV | Reviewer Name: | Ted Barton | | | | | | |
| Analyst Signature: | Envique Orci II | Ted Barton | | | | | | | |

Cannabinoid Potency and Profile

| Cannabinoid | Result (%) | Result (mg/g) | m | g / oz | | |
|-------------|------------|---------------|-----|---------|-------------------|---------|
| CBDV | N/D | N/D | N/D | | | 11 alla |
| CBDVA | N/D | N/D | N/D | | | |
| THCV | N/D | N/D | N/D | | | |
| CBD | 8.64% | 86.44 | | 2454.90 | | |
| CBG | N/D | N/D | N/D | | | |
| CBDA | N/D | N/D | N/D | | | N PA |
| CBGA | N/D | N/D | N/D | | | |
| CBN | N/D | N/D | N/D | | | |
| THCD9 | N/D | N/D | N/D | | | |
| THCD8 | N/D | N/D | N/D | | | |
| CBC | N/D | N/D | N/D | | Total THC % | 0.00% |
| CBNA | N/D | N/D | N/D | | Total THC mg / oz | 0.00 |
| THCA | N/D | N/D | N/D | | | |
| CBCA | N/D | N/D | N/D | | Total CBD % | 8.64% |
| Totals | 8.64% | 86.44 | | 2454.90 | Total CBD mg / oz | 2454.90 |



THC Total = % of THCD9 + (% of THCA x 0.877), CBD Total = % of CBD + (% of CBDA x 0.877), CBG Total = % of CBG + (% of CBGA x 0.876), CBN Total = % of CBN + (% of CBNA x 0.876), CBC Total = % of CBC + (% of CBCA x 0.877), CBDV Total = % of CBDV + (% of CBDVA x 0.867), N/D = Not Detected

Testing results are based solely upon the samples submitted to lonization Labs, LLC. lonization Labs warrants that all analytical work is conducted in accordance with all applicable standard laboratory practices uisng validated methods. This report may not be reproduced without the written consent of lonization Labs. ISO 17025 Accredited A2LA Certificate #: 5756.01 Texas Dept of Ag Account #: TL2020003

Cann-ID powered by Ionization Labs | 3636 Dime Cir, Suite A, Austin, TX 78744





Report Number: 20-010425/D03.R00 **Report Date:** 10/02/2020 **ORELAP#:** OR100028 **Purchase Order: Received:** 09/28/20 10:43

| Customer: Product identity: Client/Metrc ID: Laboratory ID: | Deschutes Labs 1060418-2020-NT 20-010425-0001 | ISO-01 Sample Date: | 09/25/20 13:57 | |
|--|---|------------------------|---------------------------------|---------------------------------------|
| | | Summary | | |
| Potency: | | | | |
| Analyte | Result (%) | | | |
| CBD | > 98.0 | | CBD-Total | > 98.0% |
| CBDV [†] | 0.276 | • CBD • CBDV | THC-Total (Reported in perce | <loq ent of total sample)</loq |

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

_ _

Metals:

Less than LOQ for all analytes.





| Report Number: | 20-010425/D03.R00 |
|-----------------|-------------------|
| Report Date: | 10/02/2020 |
| ORELAP#: | OR100028 |
| Purchase Order: | |
| Received: | 09/28/20 10:43 |

Customer:

Deschutes Labs

| Product identity: | 1060418-2020-NT-59-ISO-01 |
|-------------------|---------------------------|
| Client/Metrc ID: | |
| Sample Date: | 09/25/20 13:57 |
| Laboratory ID: | 20-010425-0001 |
| Relinquished by: | Received By Mail |
| Temp: | 20 °C |
| | |

Sample Results

| Potency | Metho | d J AOAC 2015 | V98-6 (mod) | Batch: 2008111 | Analyze: 10/1/20 7:15:00 PM |
|---------------------------------|----------|---------------|-------------|----------------|-----------------------------|
| Analyte | As | Dry LOQ | Notes | | |
| | Received | weight | | | |
| CBC | < LOQ | 0.0927 | | | |
| CBC-A [†] | < LOQ | 0.0927 | | | |
| CBC-Total [†] | < LOQ | 0.174 | | | |
| CBD | > 98.0 | 0.927 | | | CBD CBDV |
| CBD-A | < LOQ | 0.0927 | | | CBDV |
| CBD-Total | > 98.0 | 1.01 | | | |
| CBDV [†] | 0.276 | 0.0927 | | | |
| CBDV-A [†] | < LOQ | 0.0927 | | | |
| CBDV-Total [†] | 0.276 | 0.173 | | | |
| CBG [†] | < LOQ | 0.0927 | | | |
| CBG-A [†] | < LOQ | 0.0927 | | | |
| CBG-Total | < LOQ | 0.173 | | | |
| CBL [†] | < LOQ | 0.0927 | | | |
| CBN | < LOQ | 0.0927 | | | |
| $\Delta 8$ -THC [†] | < LOQ | 0.0927 | | | |
| ∆9-THC | < LOQ | 0.0927 | | | |
| THC-A | < LOQ | 0.0927 | | | |
| THC-Total | < LOQ | 0.174 | | | |
| THCV [↑] | < LOQ | 0.0927 | | | |
| THCV-A [†] | < LOQ | 0.0927 | | | |
| THCV-Total [†] | < LOQ | 0.173 | | | |
| Total Cannabinoids [†] | > 98.0 | | | | |



Method EPA5021A

380

160

5000

2.00

3880

620

290

70.0

3000

5000

5000

720

Limits LOQ Status

100

30.0

30.0

30.0

30.0

200

1.00

200

200

200

150

30.0

200

200

200

200

600

100

400

pass

Result

< LOQ

Solvents

1,4-Dioxane

2-Ethoxyethanol

2-Methylpentane

2,2-Dimethylbutane

2,3-Dimethylbutane

Analyte

Acetone

Benzene

Methanol

n-Heptane

n-Pentane

Cyclohexane

Ethyl benzene

Ethylene glycol

Hexanes (sum)

Methylpropane

Pentanes (sum)

Tetrahydrofuran

Total Xylenes

Isopropylbenzene

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



Notes

Units µg/g

Analyte

2-Butanol

2-Methylbutane

2-Propanol (IPA)

3-Methylpentane

Butanes (sum)

Ethylene oxide

Isopropyl acetate

Methylene chloride

Total Xylenes and Ethyl

Ethyl acetate

Ethyl ether

m.p-Xylene

n-Butane

n-Hexane

o-Xylene

Propane

Toluene

Acetonitrile

2,2-Dimethylpropane

Batch 20

< LOQ

| Report N | umber: | 20- | 01042 | 5/D03.R00 | | | | | | |
|-----------|--------|----------------|------------|-----------|--|--|--|--|--|--|
| Report Da | ate: | 10/ | 10/02/2020 | | | | | | | |
| ORELAP | #: | OR | 10002 | 8 | | | | | | |
| Purchase | Order: | | | | | | | | | |
| Received | : | 09/2 | 28/20 | 10:43 | | | | | | |
| 007980 | Analyz | 2e 09/2 | 9/20 (|)9:59 AM | | | | | | |
| Result | Limits | LOQ | Status | Notes | | | | | | |
| < LOQ | 5000 | 200 | pass | | | | | | | |
| < LOQ | | 200 | | | | | | | | |
| < LOQ | 5000 | 200 | pass | | | | | | | |

200

30.0

100

400

200

200

30.0

200

200

200

200

30.0

200

200

100

600

pass

410

5000

5000

5000

50.0

5000

600

5000

890

2170



Pesticides



| umbia | 12423 NE Whitaker Way | Report Number: | 20-010425/D03.R00 |
|---------------------|------------------------------|-----------------------|---------------------|
| | Portland, OR 97230 | Report Date: | 10/02/2020 |
| | 503-254-1794 | ORELAP#: | OR100028 |
| | | Purchase Order: | |
| | | Received: | 09/28/20 10:43 |
| Method AOAC 2007.01 | & EN 15662 (mod) Units mg/kg | Batch 2008049 Analyze | e 09/30/20 04:56 PM |
| | Status Natas Analyta | Deput limite | 00 Status Natas |

| Pesticides | wethod / | AUAC 2 | 2007.01 & EN 15 | (mou) 2002 | Units mg/kg | Satch 200804 | 49 A | naiyz | e 09/30/20 04:56 PIVI |
|------------------|----------|--------|-----------------|------------|-------------------|--------------|-------------|-------|-----------------------|
| Analyte | Result | Limits | LOQ Status No | otes | Analyte | Res | ult L | imits | LOQ Status Notes |
| Abamectin | < LOQ | 0.50 | 0.250 pass | | Acephate | < L(| DQ 0 | .40 | 0.250 pass |
| Acequinocyl | < LOQ | 2.0 | 1.00 pass | | Acetamiprid | < L(| DQ 0 | .20 | 0.100 pass |
| Aldicarb | < LOQ | 0.40 | 0.200 pass | | Azoxystrobin | < L(| DQ 0 | .20 | 0.100 pass |
| Bifenazate | < LOQ | 0.20 | 0.100 pass | | Bifenthrin | < L(| DQ 0 | .20 | 0.100 pass |
| Boscalid | < LOQ | 0.40 | 0.200 pass | | Carbaryl | < L(| DQ 0 | .20 | 0.100 pass |
| Carbofuran | < LOQ | 0.20 | 0.100 pass | | Chlorantranilipro | ole < L0 | DQ 0 | .20 | 0.100 pass |
| Chlorfenapyr | < LOQ | 1.0 | 0.500 pass | | Chlorpyrifos | < L(| DQ 0 | .20 | 0.100 pass |
| Clofentezine | < LOQ | 0.20 | 0.100 pass | | Cyfluthrin | < L(| DQ 1 | .0 | 0.500 pass |
| Cypermethrin | < LOQ | 1.0 | 0.500 pass | | Daminozide | < L(| DQ 1 | .0 | 0.500 pass |
| Diazinon | < LOQ | 0.20 | 0.100 pass | | Dichlorvos | < L(| DQ 1 | .0 | 0.500 pass |
| Dimethoate | < LOQ | 0.20 | 0.100 pass | | Ethoprophos | < L(| DQ 0 | .20 | 0.100 pass |
| Etofenprox | < LOQ | 0.40 | 0.200 pass | | Etoxazole | < L(| DQ 0 | .20 | 0.100 pass |
| Fenoxycarb | < LOQ | 0.20 | 0.100 pass | | Fenpyroximate | < L(| DQ 0 | .40 | 0.200 pass |
| Fipronil | < LOQ | 0.40 | 0.200 pass | | Flonicamid | < L(| DQ 1 | .0 | 0.400 pass |
| Fludioxonil | < LOQ | 0.40 | 0.200 pass | | Hexythiazox | < L(| DQ 1 | .0 | 0.400 pass |
| Imazalil | < LOQ | 0.20 | 0.100 pass | | Imidacloprid | < L(| DQ 0 | .40 | 0.200 pass |
| Kresoxim-methyl | < LOQ | 0.40 | 0.200 pass | | Malathion | < L(| DQ 0 | .20 | 0.100 pass |
| Metalaxyl | < LOQ | 0.20 | 0.100 pass | | Methiocarb | < L(| DQ 0 | .20 | 0.100 pass |
| Methomyl | < LOQ | 0.40 | 0.200 pass | | MGK-264 | < L(| DQ 0 | .20 | 0.100 pass |
| Myclobutanil | < LOQ | 0.20 | 0.100 pass | | Naled | < L(| DQ 0 | .50 | 0.250 pass |
| Oxamyl | < LOQ | 1.0 | 0.500 pass | | Paclobutrazole | < L(| DQ 0 | .40 | 0.200 pass |
| Parathion-Methyl | < LOQ | 0.20 | 0.200 pass | | Permethrin | < L0 | DQ 0 | .20 | 0.100 pass |
| Phosmet | < LOQ | 0.20 | 0.100 pass | | Piperonyl butox | ide < L0 | DQ 2 | .0 | 1.00 pass |
| Prallethrin | < LOQ | 0.20 | 0.200 pass | | Propiconazole | < L0 | DQ 0 | .40 | 0.200 pass |
| Propoxur | < LOQ | 0.20 | 0.100 pass | | Pyrethrin I (tota |) < L0 | DQ 1 | .0 | 0.500 pass |
| Pyridaben | < LOQ | 0.20 | 0.100 pass | | Spinosad | < L0 | DQ 0 | .20 | 0.100 pass |
| Spiromesifen | < LOQ | 0.20 | 0.100 pass | | Spirotetramat | < L0 | DQ 0 | .20 | 0.100 pass |
| Spiroxamine | < LOQ | 0.40 | 0.200 pass | | Tebuconazole | < L0 | DQ 0 | .40 | 0.200 pass |
| Thiacloprid | < LOQ | 0.20 | 0.100 pass | | Thiamethoxam | < L0 | DQ 0 | .20 | 0.100 pass |
| Trifloxystrobin | < LOQ | 0.20 | 0.100 pass | | | | | | |
| Metals | | | | | | | | | |

| Motalo | | | | | | | | |
|-----------------|--------|--------|-------|--------|---------|----------|---------------------|-------|
| Analyte | Result | Limits | Units | LOQ | Batch | Analyze | Method | Notes |
| Arsenic | < LOQ | | mg/kg | 0.0411 | 2008092 | 10/01/20 | AOAC 2013.06 (mod.) | Х |
| Cadmium | < LOQ | | mg/kg | 0.0411 | 2008092 | 10/01/20 | AOAC 2013.06 (mod.) | Х |
| Lead | < LOQ | | mg/kg | 0.0411 | 2008092 | 10/01/20 | AOAC 2013.06 (mod.) | Х |
| Mercury | < LOQ | | mg/kg | 0.0205 | 2008092 | 10/01/20 | AOAC 2013.06 (mod.) | X |
| Purity | | | | | | | | |
| Analyte | Result | Limits | Units | LOQ | Batch | Analyze | Method | Notes |
| Chemical Purity | 98.8 | | % | | 2008035 | 09/30/20 | Purity by FID | |
| | | | | | | | | |

Mass-balance purity assay performed by GC-FID. The reported result is accurate within an expanded uncertainty of ± 0.3% (w/w).





Report Number: 20-010425/D03.R00 **Report Date:** 10/02/2020 **ORELAP#:** OR100028 **Purchase Order:** Received: 09/28/20 10:43

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

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

µg/g = Microgram per gram mg/kg = Milligram per kilogram = parts per million (ppm) % = Percentage of sample % wt = $\mu g/g$ divided by 10,000

Glossary of Qualifiers X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner General Manager

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Report Number: 20-010425/D03.R00 **Report Date:** 10/02/2020 **ORELAP#:** OR100028 **Purchase Order: Received:** 09/28/20 10:43

| Company: Deschutes Labs | | | | | | | Analysis | Reques | ted | | | | | | |
|--------------------------------------|---------|-------|---------|------------|-------------------|--------------|--------------------------------|--------|-----|-----|----|-----|------------------|-------------------|---|
| Contact: Drew Van Roekel | | | | | | | | | | | 1 | 1 | | | |
| Street: 2020 NW Industrial Park Rd | | | | | | | | | | | | | | | |
| City: Prineville State | | 97754 | | | | | 9 | | | | | | | | |
| Email Results: Drew@Deschutes | | | | | | | te CB | /te Cl | | 1 | | | | | IETRC or 🗌 Other: |
| h: (503) 809-9798 | | | | es | Residual Solvents | fetals | High Purity Single Analyte CBD | | | | | | | nd time: 🗆 S | tandard 🗌 Rush * 🗌 Priority Rush *Ask for availability |
| ab D Client Sample Identification | Date | Time | Potency | Pesticides | Residual | Heavy Metals | ligh Pur | | | | | | Sample Type † | Weight (Units) | |
| 1060418-2020-NT-59-ISO-01 | 9/25/20 | 1357 | V | V | V | V | V | | 1 | 1 | 1 | 1 | S | 59 | Comments/Metrc ID |
| 1060418-2020-BB-60-ISO-01 | 9/25/20 | 1358 | 1 | V | V | V | 1 | | 1 | | 1 | + | S | 59 | |
| | 9/25/20 | | | | | | | - | 1 | 1 | 1 | 1 | | J | |
| | 9/25/20 | | 1 | | | | | | | | | 1 | | | |
| | 9/25/20 | | | | | 1. | | | | - | | | | | |
| | 9/25/20 | | | | | | | | | | | 1 | | 1 | |
| | 9/25/20 | | | | | | | | | | | | | | |
| | 9/25/20 | | | | | | | | | | | | | | |
| | 9/25/20 | | | | | | | | | | | 1 | | | |
| | 9/25/20 | | | | | | | | | . 1 | | | | | |
| | 9/25/20 | | | | | | | | | | | | | - | |
| Relinquished By: | Date | Time | | | Re | ceived E | SV: | - | D | ate | Ti | ime | | | Lab Use Only: |

 Sample Type (S) ; Extract/Concentrate (C)

Samples submitted to Columbia Laboratories with testing requirements constitute an agreeting to these terms of service associated with this COC. By signing "Relinquisked by" you are agreeting to these terms of service associated with this COC. By signing "Relinquisked by" you are agreeting to these terms of service associated with this COC. By signing "Relinquisked by" you are agreeting to these terms of service associated with this COC. By signing "Relinquisked by" you are agreeting to these terms of services to the service associated with this COC. By signing "Relinquisked by" you are agreeting to these terms of services associated with this COC. By signing "Relinquisked by" you are agreeting to these terms of services associated with this COC. By signing "Relinquisked by" you are agreeting to these terms of services associated with this COC. By signing "Relinquisked by" you are agreeting to these terms of services associated with this COC. By signing "Relinquisked by" you are agreeting to these terms of services associated with this COC. By signing "Relinquisked by" you are agreeting to these terms of services associated with this COC. By signing "Relinquisked by" you are agreeting to these terms of services associated with this COC. By signing "Relinquisked by" you are agreeting to these terms of services and the current terms of services associated with this COC. By signing "Relinquisked by" you are agreeting to these terms of services associated with the current terms of services associated with this COC. By signing "Relinquisked by" you are agreeting to these terms of services associated with the current terms of services associated with this COC. By signing "Relinquisked by" you are agreeting to these terms of services associated with the current terms of services associated wi 12423 NE Whitaker Way Portland, OR 97230

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| Columbia LABORATORIES A Tentamus Company | 12423 NE Whitaker Portland, OR 972 503-254-1794 | Report Number: Report Date: ORELAP#: Purchase Order: Received: | |
|--|---|--|---|
| | Columbia Laboratories Sample Receipt Form | Revision: 1.01 Doc Revised: 02/28/2020 | ument Control: CF015 Effective: 02/28/2020 |
| Job Number: <u>20-010425</u> Package/Cooler opened on (if different than received By (Initials): <u>5</u> | Search Name: ived date/time) Date:Time | 10143 | |
| | | s no RA | |
| Were signature and date correct? 2) Were custody papers included in the package. | 10 | m | |
| Were custody papers properly filled out (ink, | | | |
| 4) Did you sign custody papers in the appropriate | | - | |
| 5) How was the package/cooler delivered? | | | |
| UPS FEDEX USPS Tracking Number (written in or copy of ship | | ier: =64 03 | 9794 |

YES

YES

YES

YES

YES

YES

YES NO

20.0°C

YES NO

NO

NO

NO

NO

NO

Cannabis Table Other:

NO

NA

NA

NA

NA

NA

NA

NA

NA

NA

5264

20-010425/D03.R00

10/02/2020 OR100028

09/28/20 10:43

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

6) Was packing material used?

What kind? Blue Ice

Explain any discrepancies:

Page Z of Z

7) Was sufficient ice used (if appropriate)?

Ice

10) Were all sample container labels complete?

9) Did all sample containers arrive in good condition?

Peanuts Bubble Wrap Foam Paper Other:

8) Were all sample containers sealed in separate plastic bags?

11) Did all sample container labels and tags agree with the coc?

12) Were correct sample containers used for the tests indicated?

13) Were VOA vials checked for absence of air bubbles (note if found)?

14) Was a sufficient amount of sample sent in each sample container?

15) Temperature of the samples upon receipt (See SOP for proper temps)

16) Sample location prior to login: R25 R39 R44 F44 Ambient Shelf

Cooler Packs

Dry Ice





| Report Number: | 20-010425/D03.R00 |
|-----------------|-------------------|
| Report Date: | 10/02/2020 |
| ORELAP#: | OR100028 |
| Purchase Order: | |
| Received: | 09/28/20 10:43 |

| EPA 5021 | | | | | | Bat | ch ID: | 200798 | 30 | | |
|---------------------|-------------|-------|-----|-------|--------|-------|--------|--------|----|-------|-------|
| Method Blank | y Control S | ample | 2 | | | | | | | | |
| Analyte | Result | | LOQ | Notes | Result | Spike | Units | % Rec | Ľ | imits | Notes |
| Propane | ND | < | 200 | | 1100 | 1,190 | µg/g | 92.4 | 70 | - 130 |) |
| Isobutane | ND | < | 200 | | 1390 | 1,520 | µg/g | 91.4 | 70 | - 130 |) |
| Butane | ND | < | 200 | | 1410 | 1,520 | µg/g | 92.8 | 70 | - 130 |) |
| 2,2-Dimethylpropane | ND | < | 200 | | 1720 | 1,910 | µg/g | 90.1 | 70 | - 130 |) |
| Methanol | ND | < | 200 | | 3000 | 3,240 | µg/g | 92.6 | 70 | - 130 |) |
| Ethylene Oxide | ND | < | 30 | | 113 | 117 | µg/g | 96.6 | 70 | - 130 |) |
| 2-Methylbutane | ND | < | 200 | | 2990 | 3,220 | µg/g | 92.9 | 70 | - 130 |) |
| Pentane | ND | < | 200 | | 2960 | 3,210 | µg/g | 92.2 | 70 | - 130 |) |
| Ethanol | ND | < | 200 | | 2850 | 3,220 | µg/g | 88.5 | 70 | - 130 | 0 |
| Ethyl Ether | ND | < | 200 | | 3010 | 3,260 | µg/g | 92.3 | 70 | - 130 |) |
| 2,2-Dimethylbutane | ND | < | 30 | | 380 | 431 | µg/g | 88.2 | 70 | - 130 |) |
| Acetone | ND | < | 200 | | 3040 | 3,210 | µg/g | 94.7 | 70 | - 130 |) |
| 2-Propanol | ND | < | 200 | | 2780 | 3,180 | µg/g | 87.4 | 70 | - 130 |) |
| Acetonitrile | ND | < | 100 | | 920 | 983 | µg/g | 93.6 | 70 | - 130 |) |
| 2,3-Dimethylbutane | ND | < | 30 | | 307 | 373 | µg/g | 82.3 | 70 | - 130 |) |
| Dichloromethane | ND | < | 200 | | 926 | 1,010 | µg/g | 91.7 | 70 | - 130 | |
| 2-Methylpentane | ND | < | 30 | | 285 | 330 | µg/g | 86.4 | 70 | - 130 | |
| 3-Methylpentane | ND | < | 30 | | 303 | 342 | µg/g | 88.6 | 70 | - 130 | |
| Hexane | ND | < | 30 | | 287 | 321 | µg/g | 89.4 | 70 | - 130 | |
| Ethyl acetate | ND | < | 200 | | 3000 | 3,260 | µg/g | 92.0 | 70 | - 130 | |
| 2-Butanol | ND | < | 200 | | 2720 | 3,210 | µg/g | 84.7 | 70 | - 130 |) |
| Tetrahydrofuran | ND | < | 100 | | 878 | 982 | µg/g | 89.4 | 70 | - 130 |) |
| Cyclohexane | ND | < | 200 | | 2950 | 3,210 | µg/g | 91.9 | 70 | - 130 |) |
| Benzene | ND | < | 1 | | 47.3 | 55.4 | µg/g | 85.4 | 70 | - 130 |) |
| Isopropyl Acetate | ND | < | 200 | | 2810 | 3,200 | µg/g | 87.8 | 70 | - 130 |) |
| Heptane | ND | < | 200 | | 3080 | 3,210 | µg/g | 96.0 | 70 | - 130 |) |
| 1,4-Dioxane | ND | < | 100 | | 871 | 1,010 | µg/g | 86.2 | 70 | - 130 |) |
| 2-Ethoxyethanol | ND | < | 30 | | 496 | 681 | µg/g | 72.8 | 70 | - 130 | |
| Ethylene Glycol | ND | < | 200 | | 965 | 1,170 | µg/g | 82.5 | 70 | - 130 |) |
| Toluene | ND | < | 200 | | 867 | 980 | µg/g | 88.5 | 70 | - 130 |) |
| Ethylbenzene | ND | < | 200 | | 1660 | 1,970 | µg/g | 84.3 | 70 | - 130 | |
| m,p-Xylene | ND | < | 200 | | 1700 | 1,950 | µg/g | 87.2 | 70 | - 130 |) |
| o-Xylene | ND | < | 200 | | 1700 | 1,940 | µg/g | 87.6 | 70 | - 130 |) |
| Cumene | ND | < | 30 | | 298 | 336 | µg/g | 88.7 | 70 | - 130 |) |

Laboratory Quality Control Results

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| Report Number: | 20-010425/D03.R00 |
|-----------------|-------------------|
| Report Date: | 10/02/2020 |
| ORELAP#: | OR100028 |
| Purchase Order: | |
| Received: | 09/28/20 10:43 |

| QC - Sample Duplicate | | | | Sample ID: 20-010197-0001 | | | | | | | | |
|-----------------------|--------|-------------|-----|---------------------------|-----|--------|-------------|-------|--|--|--|--|
| 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 | | | | | |
| Acetonitrile | ND | ND | 100 | µg/g | 0.0 | < 20 | Acceptable | | | | | |
| 2,3-Dimethylbutane | ND | ND | 30 | µg/g | 0.0 | < 20 | Acceptable | | | | | |
| Dichloromethane | ND | ND | 200 | µg/g | 0.0 | < 20 | Acceptable | | | | | |
| 2-Methylpentane | ND | ND | 30 | 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 | | | | | |
| 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 | | | | | |
| 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 | | | | | |
| 1,4-Dioxane | ND | ND | 100 | µg/g | 0.0 | < 20 | Acceptable | | | | | |
| 2-Ethoxyethanol | ND | ND | 30 | µg/g | 0.0 | < 20 | Acceptable | | | | | |
| Ethylene Glycol | ND | ND | 200 | µg/g | 0.0 | < 20 | Acceptable | | | | | |
| Toluene | ND | ND | 200 | 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 | | | | | |

Abbreviations

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

Q1 Quality Control result biased high. Only non detect samples reported.

Units of Measure:

µg/g- Microgram per gram or ppm mg/Kg - Milligrams per Kilogram Aw- Water Activity unit

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| Report Number: | 20-010425/D03.R00 |
|-----------------|-------------------|
| Report Date: | 10/02/2020 |
| ORELAP#: | OR100028 |
| Purchase Order: | |
| Received: | 09/28/20 10:43 |

Revision: 1.00 Control: CFL-C21 Revised: 08/12/2019 Effective: 08/15/2019

| AOAC 2007.1 & EN 15662 | 10 C | Units | mg/Kg | | | Ba | tch ID: 200804 | 9 |
|------------------------|-----------------------|---------------------------|-------|----------------|-----------------------|----------------|---------------------|-------|
| wemod Blank | and the second second | Contraction of the second | | Laboratory Con | and the second second | and the second | | 2 |
| Analyte | Blank Result | Blank Limits | Notes | LCS Result | LCS Spike | LCS % Rec | Limits | Notes |
| Acephate | 0.025 | < 0.200 | 1 | 0.935 | 1.000 | 93.5 | 68.1 - 126 | |
| Acequinocyl | 0.041 | < 1.000 | | 3.664 | 4.000 | 91.6 | 69.5 - 129 | |
| Acetamiprid | 0.000 | < 0.100 | 1 | 0.374 | 0.400 | 93.6 | 69.0 - 128 | 1 |
| Aldicarb | 0.000 | < 0.200 | 1 | 0.705 | 0.800 | 88.1 | 67.8 - 126 | L |
| Abamectin | 0.000 | < 0.288 | | 0.774 | 1.000 | 77.4 | 69.1 - 128 | [|
| Azoxystrobin | 0.012 | < 0.100 | | 0.362 | 0.400 | 90.5 | 68.9 - 128 | 1 |
| Bifenazate | 0.009 | < 0.100 | 1 | 0.378 | 0.400 | 94.6 | 68.1 - 126 | - |
| Bifenthrin | 0.019 | < 0.100 | 1 | 0.376 | 0.400 | 94.1 | 71.1 - 132 | 1 |
| Boscalid | 0.084 | < 0.100 | 1 | 0.735 | 0.800 | 91.8 | 68.5 - 127 | 1 |
| Carbaryl | 0.013 | < 0.100 | | 0.383 | 0.400 | 95.9 | 69.4 - 129 | 1 |
| Carbofuran | 0.017 | < 0.100 | | 0.380 | 0.400 | 95.0 | 69.1 - 128 | 1 |
| Chlorantraniliprol | 0.022 | < 0.100 | 1 | 0.370 | 0.400 | 92.4 | 69.5 - 129 | 1 |
| Chlorfenapyr | 0.000 | < 1.000 | 1 | 1.714 | 2.000 | 85.7 | 68.1 - 126 | 1 |
| Chlorpyrifos | 0.000 | < 0.100 | 1 | 0.375 | 0.400 | 93.6 | 68.9 - 128 | 1 |
| Oofentezine | 0.019 | < 0.100 | 1 | 0.370 | 0.400 | 92.5 | 67.0 - 124 | 1 |
| Cyfluthrin | 0.000 | < 1.000 | 1 | 1.530 | 2.000 | 76.5 | 71.1 - 132 | 1 |
| Cypermethrin | 0.004 | < 1.000 | - | 1.794 | 2.000 | 89.7 | 71.3 - 132 | |
| Daminozide | 0.046 | < 1.000 | + | 1.835 | 2.000 | 91.8 | 66.0 - 123 | 1 |
| Diazinon | 0.008 | < 0.100 | | 0.382 | 0.400 | 95.6 | 68.3 - 127 | 1 |
| Dichlorvos | 0.008 | < 0.500 | | 1.824 | 2.000 | 95.6 | 68.0 - 126 | 1 |
| Dimethoat | 0.045 | < 0.100 | - | 0.382 | 0.400 | 95.5 | | |
| | | | | | | | | - |
| Ethoprophos | 0.000 | < 0.100 | 1 | 0.361 | 0.400 | 90.4 | 67.9 - 126 | 1 |
| Etofenprox | 0.017 | < 0.100 | - | 0.752 | 0.800 | 94.0 | 68.9 - 128 | 1 |
| Etoxazol | 0.000 | < 0.100 | 1 | 0.371 | 0.400 | 92.8 | 68.3 - 127 | 1 |
| Fenoxycarb | 0.009 | < 0.100 | | 0.380 | 0.400 | 94.9 | 68.8 - 128 | |
| Fenpyroximat | 0.008 | < 0.100 | - | 0.794 | 0.800 | 99.2 | 70.2 - 130 | |
| Fipronil | 0.014 | < 0.100 | 1 | 0.720 | 0.800 | 90,0 | 71.4 - 133 | |
| Flonicamid | 0.000 | < 0.400 | 1 | 0.936 | 1.000 | 93.6 | 69.4 - 129 | 1 |
| Fludioxonil | 0.000 | < 0.100 | 1 | 0.914 | 0.800 | 114.3 | 69.2 - 128 | 1 |
| Hexythiazox | 0.021 | < 0.400 | 1 | 0.982 | 1.000 | 98.2 | 71.0 - 132 | 1 |
| imazalil | 0.006 | < 0.100 | 1 | 0.408 | 0.400 | 102.1 | 71.6 - 133 | 1 |
| Imidacloprid | 0.003 | < 0.200 | | 0.728 | 0.800 | 91.0 | 67.8 - 126 | 1 |
| Kresoxim-Methyl | 0.034 | < 0.100 | | 0.726 | 0.800 | 90.7 | 69.1 - 128 | 1 |
| Malathion | 0.008 | < 0.100 | 1 | 0.377 | 0.400 | 94.3 | 68.8 - 128 | 1 |
| Metalaxyl | 0.010 | < 0.100 | 1 | 0.351 | 0.400 | 87.8 | 68.2 - 127 | 1 |
| Methiocarb | 0.062 | < 0.100 | 1 | 0.407 | 0.400 | 101.7 | 68.7 - 128 | 1 |
| Methomyl | 0.091 | < 0.200 | 1 | 0.790 | 0.800 | 98.7 | 67.7 - 126 | 1 |
| MGK 264 | 0.009 | < 0.100 | 1 | 0.366 | 0.400 | 91.5 | 69.8 - 130 | 1 |
| Myclobutanil | 0.020 | < 0.100 | 1 | 0.389 | 0.400 | 97.3 | 67.7 - 126 | 1 |
| Naled | 0.034 | < 0.200 | 1 | 0.967 | 1.000 | 96.7 | 68.7 - 128 | 1 |
| Oxamvi | 0.000 | < 0.400 | + | 1.838 | 2.000 | 91.9 | 67.7 - 126 | 1 |
| Paclobutrazol | 0.036 | < 0.200 | + | 0.751 | 0.800 | 93.9 | 67.5 + 125 | + |
| Parathion Methyl | 0.000 | < 0.200 | + | 0.849 | 0.800 | 106.2 | 71.4 - 133 | + |
| Permethrin | 0.000 | < 0.100 | | 0.849 | 0.800 | 93.1 | | - |
| | - C10500 | | | | | 93.1 | | - |
| Phosmet | 0.004 | < 0.100 | - | 0.397 | 0.400 | | | |
| Piperonyl butoxide | 0.125 | < 1.000 | | 1.916 | 2.000 | 95,8 | 69.9 - 130 | 1 |
| Prallethrin | 0.146 | < 0.200 | - | 0.450 | 0.400 | 112,4 | 70.5 - 131 | 1 |
| Propiconazole | 0.008 | < 0.200 | | 0.791 | 0.800 | 98.9 | 68.8 - 128 | 1 |
| Propoxur | 0.017 | < 0.100 | | 0.381 | 0.400 | 95.3 | 68.0 - 126 | 1 |
| Pyrethrins | 0.174 | < 0.500 | | 0.408 | 0.413 | 98.8 | 69.9 - 130 | |
| Pyridaben | 0.000 | < 0.100 | | 0.397 | 0.400 | 99.2 | 74.7 - 139 | 1 |
| Spinosad | 0.000 | < 0.100 | 1 | 0.410 | 0.388 | 105.6 | 75.8 - 141 | 1 |
| Spiromesifen | 0.035 | < 0.100 | | 0.381 | 0.400 | 95.4 | 69.2 - 129 | - |
| Spirotetramat | 0.009 | < 0.100 | 1 | 0.375 | 0.400 | 93.8 | 69.0 - 128 | 1 |
| Spiroxamine | 0.021 | < 0.100 | 1 | 0.759 | 0.800 | 94.9 | 68.8 - 128 | 1 |
| Tebuconazol | 0.009 | < 0.200 | 1 | 0.733 | 0.800 | 91.6 | 68.3 - 127 | 1 |
| Thiacloprid | 0.000 | < 0.100 | 1 | 0.371 | 0.400 | 92.7 | 68.3 - 127 | 1 |
| Thiamethoxam | 0.000 | < 0.100 | | 0.404 | 0.400 | 100.9 | 67.9 - 126 | 1 |
| Trifloxystrobin | 0.004 | < 0.100 | 1 | 0.394 | 0.400 | 98.6 | 69.3 - 129 | - |

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Report Number: 20-010425/D03.R00 **Report Date:** 10/02/2020 **ORELAP#:** OR100028 **Purchase Order: Received:** 09/28/20 10:43

Revision: 1.00 Control: CFL-C21 Revised: 08/12/2019 Effective: 08/15/2019

| Laboratory Pesticide Quality Control Results IOAC 2007.1 & EN 15662 Units: mg/Kg Batch ID: 2008049 | | | | | | | | | | | | |
|---|--------|----------------|---------|-------|------|--------|---------------|--------------|---|-------|--|--|
| Matrix Spike/Matrix Spike Duplicate Recoveries Sample ID: 20-010263-0004 | | | | | | | | | | | | |
| Analyte | Result | MS Res | MSD Res | Spike | RPD% | Limit | | MSD % Rec | | Notes | | |
| Acephate | 0.019 | 1 1.001 | 0.890 | 1.000 | 11.8 | < 30 | 98.2 | 87.0 | 50 - 150 | | | |
| Acequinocyl | 0.000 | 3.878 | 1.997 | 4.000 | 64.0 | < 30 | 96.9 | 49.9 | 50 - 150 | R.Q | | |
| Acetamiprid | 0.000 | 0.371 | 0.330 | 0.400 | 11.6 | < 30 | 92.6 | 82.5 | 50 - 150 | | | |
| Aldicarb | 0.000 | 0.582 | 0.332 | 0.800 | 54.8 | < 30 | 72.8 | 41.5 | 50 - 150 | R.Q | | |
| Abamectin | 0.000 | 1.499 | 1.403 | 1.000 | 6.6 | < 30 | 149.9 | 140.3 | 50 - 150 | | | |
| Azoxystrobin | 0.010 | 0.494 | 0.472 | 0.400 | 4.5 | < 30 | 120.9 | 115.5 | 50 - 150 | - | | |
| Bifenazate | 0.000 | 0.373 | 0.353 | 0.400 | 5.5 | < 30 | 93.1 | 88.2 | 50 - 150 | | | |
| Bifenthrin | 0.000 | 0.733 | 0.850 | 0.400 | 14.8 | < 30 | 183.2 | 212.6 | 50 - 150 | Q1 | | |
| Boscalid | 0.063 | 0.952 | 0.721 | 0.800 | 27.5 | < 30 | 111.1 | 82.3 | 50 - 150 | | | |
| Carbaryl | 0.012 | 0.396 | 0.336 | 0.400 | 16.3 | < 30 | 96.0 | 81.1 | 50 - 150 | - | | |
| Carbofuran | 0.014 | 0.419 | 0.359 | 0.400 | 15.3 | < 30 | 101.3 | 86.4 | 50 - 150 | - | | |
| Chlorantraniliprol | 0.020 | 0.425 | 0.416 | 0.400 | 1.9 | 1 < 30 | 101.2 | 99.2 | 50 - 150 | | | |
| Chlorfenapyr | 0.000 | 2.047 | 2.119 | 2.000 | 3.4 | < 30 | 102.3 | 105.9 | 50 - 150 | - | | |
| Chlorpyrifos | 0.000 | 0.413 | 0.473 | 0.400 | 13.6 | < 30 | 103.3 | 118.4 | 50 - 150 | | | |
| Oofentezine | 0.016 | 0.438 | 0.430 | 0.400 | 1.7 | < 30 | 105.4 | 103.5 | 50 - 150 | | | |
| Cyfluthrin | 0.010 | 3.845 | 3.370 | 2.000 | 13.2 | 1 < 30 | 192.3 | 168.5 | 30 - 150 | 01 | | |
| Cypermethrin | 0.003 | 1.802 | 1.824 | 2.000 | 1.2 | < 30 | 89.9 | 91.0 | 50 - 150 | | | |
| Daminozide | 0.126 | 1.905 | 1.694 | 2.000 | 11.8 | < 30 | 89.0 | 78.4 | 30 - 150 | | | |
| Diazinon | 0.120 | 0.428 | 0.436 | 0.400 | 2.0 | < 30 | 105.2 | 107.3 | 50 - 150 | - | | |
| Dichlorvos | 0.040 | 1.933 | 1.846 | 2.000 | 4.6 | < 30 | 94.7 | 90.3 | 50 - 150 | - | | |
| Dimethoat | 0.040 | 0.365 | 0.332 | 0.400 | 9.4 | < 30 | 89.6 | 81.3 | 50 - 150 | - | | |
| Ethoprophos | 0.000 | 0.300 | 0.332 | 0.400 | 15.0 | < 30 | 79.9 | 68.7 | 50 - 150 | | | |
| Etofenprox | 0.000 | 0.872 | 1.347 | 0.800 | 42.8 | 1 < 30 | 109.0 | 168.4 | 50 - 150 | R,Q1 | | |
| Etoxazol | 0.000 | 0.398 | 0.428 | 0.400 | 7.4 | < 30 | 98.8 | 106.5 | 50 - 150 | n, u | | |
| Fenoxycarb | 0.002 | 0.397 | 0.373 | 0.400 | 6.3 | < 30 | 99.2 | 93.1 | 50 - 150 | | | |
| Fenpyroximat | 0.000 | 0.763 | 0.373 | 0.400 | 2.3 | < 30 | 95.4 | 97.7 | 50 - 150 | | | |
| Fipronil | 0.000 | 1.036 | 0.781 | 0.800 | 21.3 | < 30 | 128.4 | 103.6 | 50 - 150 | | | |
| Flonicamid | 0.008 | 0.950 | 0.857 | 1.000 | 9.2 | < 30 | 94.4 | 86.1 | 50 - 150 | | | |
| Fludioxonil | 0.000 | 0.509 | 0.707 | 0.800 | 32.7 | < 30 | 63.6 | 88.4 | 50 - 150 | - | | |
| Hexythiazox | 0.000 | 1.675 | 1.662 | 1.000 | 0.8 | < 30 | 167.5 | 166.2 | 50 - 150 | 01 | | |
| imazalil | 0.005 | 0.314 | 0.303 | 0.400 | 3.3 | < 30 | 77.1 | 74.5 | 50 - 150 | 41 | | |
| Imidacloprid | 0.003 | 0.514 | 0.305 | 0.400 | 7.3 | < 30 | 96.1 | 89.3 | 50 - 150 | | | |
| Kresoxim-Methyl | 0.002 | 0.698 | 0.716 | 0.800 | 0.3 | < 30 | 87.3 | 87.5 | 50 - 150 | - | | |
| Malathion | 0.000 | 0.431 | 0.406 | 0.400 | 6.0 | < 30 | 106.3 | 100.0 | 50 - 150 | | | |
| Metalaxyl | 0.008 | 0.375 | 0.400 | 0.400 | 2.2 | < 30 | 91.7 | 89.7 | 50 - 150 | | | |
| Methiocarb | 0.008 | 0.375 | 0.367 | 0.400 | 18.8 | < 30 | 81.4 | 65.3 | 50 - 150 | | | |
| Methomyl | 0.049 | 0.573 | 0.510 | 0.400 | 7.1 | < 30 | 84.1 | 90.3 | 50 - 150 | | | |
| MGK 264 | 0.000 | 0.393 | 0.394 | 0.400 | 0.3 | < 30 | 98.3 | 98.5 | 50 - 150 | | | |
| Myclobutanil | 0.000 | 0.355 | 0.394 | 0.400 | 7.5 | < 30 | 84.9 | 91.8 | 50 - 150 | | | |
| Naled | 0.018 | 1.020 | 0.365 | 1.000 | 8.8 | < 30 | 99.1 | 90.4 | 50 - 150 | | | |
| Oxamyl | 0.029 | 1.890 | 1.648 | 2.000 | 13.7 | < 30 | 99.1 | 82.4 | 50 - 150 | - | | |
| Paclobutrazol | 0.000 | 0.784 | 0.729 | 0.800 | 7.3 | < 30 | 94.3 | 87.4 | 50 - 150 | - | | |
| Parathion Methyl | 0.030 | 0.784 | 0.729 | 0.800 | 22.4 | < 30 | 94.3 122.4 | 97.8 | 30 - 150 | | | |
| Permethrin | 0.000 | 0.980 | 0.783 | 0.400 | 0.2 | < 30 | 90.7 | 97.8 | 50 - 150 | - | | |
| Permetaria | 0.015 | 0.378 | 0.378 | 0.400 | 16.2 | < 30 | 90.7 | 90.8 | 50 - 150 | | | |
| Piperonyl butoxide | 0.007 | 2.068 | 2.079 | 2.000 | 0.5 | < 30 | 99.5 | 100.1 | 50 - 150 | | | |
| Prallethrin | 0.077 | 0.564 | 0.616 | 0.400 | 8.8 | < 30 | 125.1 | 138.1 | 50 - 150 | _ | | |
| Propiconazole | 0.064 | 0.564 | 0.816 | 0.400 | 3.9 | < 30 | 125.1 | 138.1 | 50 - 150 | | | |
| Proposur | 0.003 | 0.839 | 0.807 | 0.400 | 16.6 | < 30 | 92.7 | 78.0 | 50 - 150 | - | | |
| Pyrethrins | 0.013 | 0.384 | 0.325 | 0.400 | 0.9 | < 30 | 90.9 | 90.0 | 50 - 150 | _ | | |
| Pyridaben | 0.003 | 0.378 | 0.375 | 0.413 | 0.9 | < 30 | 63.9 | 63.4 | 50 - 150 | | | |
| Spinosad | 0.004 | 0.260 | 0.258 | 0.400 | 1.3 | < 30 | 106.5 | 107.8 | Internet and the second se second second sec | | | |
| 1 | 0.000 | 1. C. C. C. C. | 0.418 | 0.388 | 1.5 | < 30 | 90.5 | 88.7 | 50 - 150 | | | |
| Spiromesifen Spirotetramat | 0.037 | 0.398 | 0.391 | 0.400 | 5.3 | < 30 | 90.5 | 88.7 | 50 - 150 | | | |
| | 0.007 | 0.354 | 0.336 | 0.400 | 2.5 | < 30 | 85.7 | 82.1 | 50 - 150 | | | |
| Spiroxamine | 0.018 | 0.731 | 0.713 | 0.800 | 0.4 | < 30 | | 86.9 | 50 - 150 | | | |
| Febuconazol Thissloopid | | 0.698 | 0.695 | 0.800 | 8.5 | < 30 | 87.3 93.4 | | | | | |
| Thiacloprid Thiamethoxam | 0.000 | 0.374 | 0.343 | 0.400 | 8.5 | < 30 | 93.4 | 85.8 84.3 | L | - | | |
| mamethoxam | 0.000 | 0.372 | 0.337 | 0.400 | 0.01 | 1 < 30 | 93.1 | 84.3 | 50 - 150 | | | |





| Report Number: | 20-010425/D03.R00 |
|-----------------|-------------------|
| Report Date: | 10/02/2020 |
| ORELAP#: | OR100028 |
| Purchase Order: | |

Received:

09/28/20 10:43

Revision #: 0.00 Control : CFL-D06 Revision Date: 05/31/2019 Effective Date: 05/31/2019

| | | Labo | ratory | Quality Co | ntrol Results | | | | | | | |
|---------------------------|---------|-------|--------|------------|-----------------|------------|-------|--|--|--|--|--|
| J AOAC 2015 | 5 V98-6 | | | Bat | ch ID: 2008087/ | 2008111 | | | | | | |
| Laboratory Control Sample | | | | | | | | | | | | |
| Analyte | Result | Spike | Units | % Rec | Limits | Evaluation | Notes | | | | | |
| CBDV-A | 0.196 | 0.2 | % | 98.0 | 85.0 - 115 | Acceptable | | | | | | |
| CBDV | 0.203 | 0.2 | % | 102 | 85.0 - 115 | Acceptable | | | | | | |
| CBD-A | 0.199 | 0.2 | % | 99.6 | 85.0 - 115 | Acceptable | | | | | | |
| CBG-A | 0.191 | 0.2 | % | 95.3 | 85.0 - 115 | Acceptable | | | | | | |
| CBG | 0.199 | 0.2 | % | 99.6 | 85.0 - 115 | Acceptable | | | | | | |
| CBD | 0.219 | 0.2 | % | 110 | 85.0 - 115 | Acceptable | | | | | | |
| THCV | 0.196 | 0.2 | % | 98.0 | 85.0 - 115 | Acceptable | | | | | | |
| THCVA | 0.178 | 0.2 | % | 88.9 | 85.0 - 115 | Acceptable | | | | | | |
| CBN | 0.199 | 0.2 | % | 99.3 | 85.0 - 115 | Acceptable | | | | | | |
| тнс | 0.187 | 0.2 | % | 93.5 | 85.0 - 115 | Acceptable | | | | | | |
| D8THC | 0.196 | 0.2 | % | 97.9 | 85.0 - 115 | Acceptable | | | | | | |
| CBL | 0.183 | 0.2 | % | 91.6 | 85.0 - 115 | Acceptable | | | | | | |
| CBC | 0.201 | 0.2 | % | 101 | 85.0 - 115 | Acceptable | | | | | | |
| THCA | 0.180 | 0.2 | % | 89.9 | 85.0 - 115 | Acceptable | | | | | | |
| CBCA | 0.183 | 0.2 | % | 91.6 | 85.0 - 115 | Acceptable | | | | | | |

Method Blank

| Analyte | Result | LOQ | Units | Limits | Evaluation | Notes |
|---------|--|-----|-------|--------|------------|-------|
| CBDV-A | <loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | < 0.1 | Acceptable | |
| CBDV | <loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | < 0.1 | Acceptable | |
| CBD-A | <loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | < 0.1 | Acceptable | |
| CBG-A | <loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | < 0.1 | Acceptable | |
| CBG | <loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | < 0.1 | Acceptable | |
| CBD | <loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | < 0.1 | Acceptable | |
| THCV | <loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | < 0.1 | Acceptable | |
| THCVA | <loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | < 0.1 | Acceptable | |
| CBN | <loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | < 0.1 | Acceptable | |
| тнс | <loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | < 0.1 | Acceptable | |
| D8THC | <loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | < 0.1 | Acceptable | |
| CBL | <loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | < 0.1 | Acceptable | |
| CBC | <loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | < 0.1 | Acceptable | |
| THCA | <loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | < 0.1 | Acceptable | |
| CBCA | <loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | < 0.1 | Acceptable | |

Abbreviations

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

Units of Measure:

% - Percent





| Report Number: | 20-010425/D03.R00 |
|-----------------|-------------------|
| Report Date: | 10/02/2020 |
| ORELAP#: | OR100028 |
| Purchase Order: | |
| Received: | 09/28/20 10:43 |

Revision #: 0.00 Control : CFL-D06 Revision Date: 05/31/2019 Effective Date: 05/31/2019

| | | | Labo | ratory (| Quality Co | ntrol Results | | | | | | |
|-----------------|--|--|------|----------|------------|---------------|------------|-------|--|--|--|--|
| J AOAC 2015 V9 | 98-6 | | | | Bate | h ID: 2008087 | /2008111 | | | | | |
| Sample Duplicat | e | Sample ID: 20-010325-0001 | | | | | | | | | | |
| Analyte | Result | Org. Result | LOQ | Units | RPD | Limits | Evaluation | Notes | | | | |
| CBDV-A | <loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<> | <loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | NA | < 20 | Acceptable | | | | | |
| CBDV | 0.147 | 0.147 | 0.1 | % | 0.188 | < 20 | Acceptable | | | | | |
| CBD-A | <loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<> | <loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | NA | < 20 | Acceptable | | | | | |
| CBG-A | <loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<> | <loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | NA | < 20 | Acceptable | | | | | |
| CBG | <loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<> | <loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | NA | < 20 | Acceptable | | | | | |
| CBD | 36.4 | 36.5 | 0.1 | % | 0.357 | < 20 | Acceptable | | | | | |
| THCV | <loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<> | <loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | NA | < 20 | Acceptable | | | | | |
| THCVA | <loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<> | <loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | NA | < 20 | Acceptable | | | | | |
| CBN | 0.210 | 0.210 | 0.1 | % | 0.0903 | < 20 | Acceptable | | | | | |
| тнс | <loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<> | <loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | NA | < 20 | Acceptable | | | | | |
| D8THC | <loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<> | <loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | NA | < 20 | Acceptable | | | | | |
| CBL | <loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<> | <loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | NA | < 20 | Acceptable | | | | | |
| CBC | 0.294 | 0.294 | 0.1 | % | 0.131 | < 20 | Acceptable | | | | | |
| THCA | <loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<> | <loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | NA | < 20 | Acceptable | | | | | |
| CBCA | <loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<> | <loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<> | 0.1 | % | NA | < 20 | Acceptable | | | | | |

Abbreviations

- ND None Detected at or above MRL
- RPD Relative Percent Difference
- LOQ Limit of Quantitation
- NA Calculation Not Applicable given non-numerical results

Units of Measure:

% - Percent





Report Number: 20-010425/D03.R00 **Report Date:** 10/02/2020 **ORELAP#:** OR100028 **Purchase Order: Received:** 09/28/20 10:43

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. |
| В | 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. |

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