## **Report:** COA Evaluation Summary

OLCC License No. 10087092BDA | ORELAP ID. 4147

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For OLCC/OHA Compliance Purposes.

#### **Product Description**

Client: SoFresh Farms

Product Name: Sour OG

Harvest Lot: RHR1 SOG 2/28/20

Matrix: Cannabis Plant

Metrc Source ID: 1A4010300001E17000006814

Metrc Package ID: 1A4010300001E17000006780

License Number: 020-100010499D8

 Report ID:
 A1525-02

 Date Collected:
 2020-05-06

 Date Received:
 2020-05-06

 Report Date:
 2020-05-11

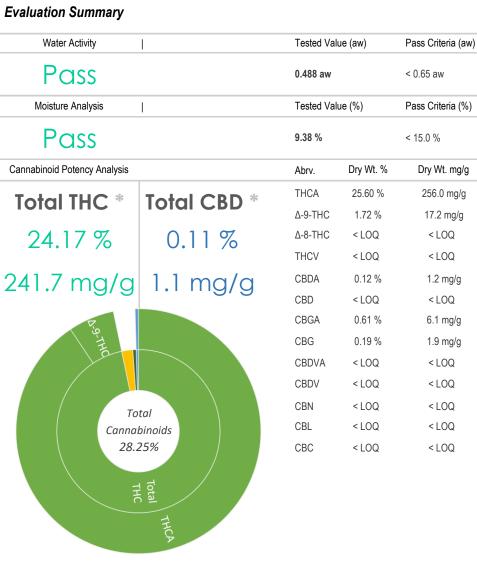
Tests Requested: Water Activity

Moisture Analysis

Cannabinoid Potency Analysis

### Sour OG





<sup>\*</sup> moisture compensated & adjusted for the loss of carboxylic acid group - OAR 333-064-0100

## **Report:** Case Narrative

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For OLCC/OHA Compliance Purposes.

This certificate of analysis is prepared for...

SoFresh Farms 27135 S Gribble Rd. Canby, OR 97103

This report presents the analytical findings for the sample collected on 2020-05-06 by Dan Hanshaw using sampling plan A1525 and received by PREE Laboratory on 2020-05-06. The sample was assigned a laboratory ID of A1525-02. The results in this report only apply to sample A1525-02.

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The testing methods used are of sufficient sensitivity to meet the compliance criteria set in OAR 333-007. However, it is the responsibility of the client to utilize the data to comply with standards set in OAR 333-007.

All analyses were performed in accordance with PREE Laboratory's NELAP/TNI approved quality control system and all quality control data was within the laboratory's predefined acceptance criteria unless otherwise noted in the case narrative of this report. General comments are also recorded below.

#### Notes:

No special conditions were noted during the processing and testing of the sample.

Tenzil Soula

Sardar, Tamzid M. | Laboratory Director Corvallis, Oregon



If you have any questions regarding the information in this report, please feel free to call 541-257-5002 or email PREE at services@preelab.com.

# **Report:** Evaluation Detail

OLCC License No. 10087092BDA | ORELAP ID. 4147

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Water Activity	1	Evaluation Detail						
Product Name:	Sour OG	Water Activity	ı	Tested Value (aw)	Pass Criteria (aw)	LOQ (aw)	Status Pass/Unsatist	
Analysis Date:	2020-05-07			0.488 aw	< 0.65 aw	0.001 aw	Pass	
Testing Batch ID:	V597,596							
Testing Method:	LSOP #302, Water Activity							
Moisture Anal	lysis	Evaluation Detail						
Product Name:	Sour OG	Moisture Analysis	I	Tested Value (Moisture %)	Pass Criteria (%)	LOQ (%)	Status Pass/Unsatist	
Analysis Date:	2020-05-11			9.38 %	< 15.0 %	0.01 %	Pass	
Testing Batch ID:	V597,596							
Testing Method:	LSOP #301 Moisture Analysis							
resung Method.	2001 Hoof Moletare / Indiyare							
	Potency Analysis	Evaluation Detail						
		Evaluation Detail  Cannabinoid Potency Analysis		Compound	Abrv.	Dry Wt. (%)	Dry Wt. (mg/g)	RL (%)
Cannabinoid I	Potency Analysis		I	Compound  Tetrahydro-cannabinolic acid			(mg/g)	(%)
<b>Cannabinoid</b> I	Potency Analysis Sour OG	Cannabinoid Potency Analysis	I	Tetrahydro-cannabinolic acid	d THCA ol Δ-9-THC	25.60 % 1.72 %	(mg/g) 256.0 17.2	0.1 % 0.1 %
Cannabinoid I Product Name: Analysis Date: Testing Batch ID:	Potency Analysis Sour OG  2020-05-17 V604,603,602,601,600,597	Cannabinoid Potency Analysis  Total THC *		Tetrahydro-cannabinolic acid Delta9 Tetrahydro-cannabinolic Delta8 Tetrahydro-cannabinolic	d THCA ol Δ-9-THC ol Δ-8-THC	25.60 % 1.72 % < LOQ	(mg/g) 256.0 17.2 < LOQ	0.1 % 0.1 % 0.1 %
Cannabinoid I Product Name: Analysis Date: Testing Batch ID:	Potency Analysis Sour OG 2020-05-17	Cannabinoid Potency Analysis  Total THC * 24.17 % 241.7 mg/g		Tetrahydro-cannabinolic acid Delta9 Tetrahydro-cannabino Delta8 Tetrahydro-cannabino Tetrahydrocannabivarin	d THCA ol Δ-9-THC ol Δ-8-THC THCV	(%) 25.60 % 1.72 % < LOQ < LOQ	(mg/g)  256.0  17.2  < LOQ  < LOQ	0.1 % 0.1 % 0.1 % 0.1 %
Cannabinoid I Product Name: Analysis Date: Testing Batch ID:	Potency Analysis Sour OG  2020-05-17 V604,603,602,601,600,597	Cannabinoid Potency Analysis  Total THC * 24.17 % 241.7 mg/g  Total CBD *		Tetrahydro-cannabinolic acid Delta9 Tetrahydro-cannabinolic Delta8 Tetrahydro-cannabinolic Tetrahydrocannabivarin Cannabidiolic acid	d THCA ol Δ-9-THC ol Δ-8-THC THCV CBDA	25.60 % 1.72 % < LOQ < LOQ 0.12 %	(mg/g)  256.0  17.2  < LOQ  < LOQ  1.2	0.1 % 0.1 % 0.1 % 0.1 % 0.1 %
Cannabinoid I Product Name: Analysis Date: Testing Batch ID:	Potency Analysis Sour OG  2020-05-17 V604,603,602,601,600,597	Cannabinoid Potency Analysis  Total THC * 24.17 % 241.7 mg/g  Total CBD * 0.11 %	I	Tetrahydro-cannabinolic acid Delta9 Tetrahydro-cannabino Delta8 Tetrahydro-cannabino Tetrahydrocannabivarin Cannabidiolic acid Cannabidiol	d THCA ol Δ-9-THC ol Δ-8-THC THCV	25.60 % 1.72 % < LOQ 0.12 % < LOQ	(mg/g)  256.0  17.2  < LOQ  < LOQ  1.2  < LOQ	0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 %
Cannabinoid I Product Name: Analysis Date: Testing Batch ID:	Potency Analysis Sour OG  2020-05-17 V604,603,602,601,600,597	Cannabinoid Potency Analysis  Total THC * 24.17 % 241.7 mg/g  Total CBD *	ı	Tetrahydro-cannabinolic acid Delta9 Tetrahydro-cannabinolic Delta8 Tetrahydro-cannabinolic Tetrahydrocannabivarin Cannabidiolic acid	d THCA ol Δ-9-THC ol Δ-8-THC THCV CBDA CBD	25.60 % 1.72 % < LOQ < LOQ 0.12 %	(mg/g)  256.0  17.2  < LOQ  < LOQ  1.2	0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 %
Cannabinoid I Product Name: Analysis Date:	Potency Analysis Sour OG  2020-05-17 V604,603,602,601,600,597	Cannabinoid Potency Analysis  Total THC * 24.17 % 241.7 mg/g  Total CBD * 0.11 %	ı	Tetrahydro-cannabinolic acid Delta9 Tetrahydro-cannabinolic Delta8 Tetrahydro-cannabinolic Tetrahydrocannabivarin Cannabidiolic acid Cannabidiol Cannabigerolic acid	d THCA ol Δ-9-THC ol Δ-8-THC THCV CBDA CBD CBGA	25.60 % 1.72 % < LOQ	(mg/g)  256.0  17.2  < LOQ  < LOQ  1.2  < LOQ  6.1	
Cannabinoid I Product Name: Analysis Date: Testing Batch ID:	Potency Analysis Sour OG  2020-05-17 V604,603,602,601,600,597	Cannabinoid Potency Analysis  Total THC * 24.17 % 241.7 mg/g  Total CBD * 0.11 %		Tetrahydro-cannabinolic acid Delta9 Tetrahydro-cannabinolic Delta8 Tetrahydro-cannabinolic Tetrahydrocannabivarin Cannabidiolic acid Cannabidiol Cannabigerolic acid Cannabigerol	d THCA ol Δ-9-THC ol Δ-8-THC THCV CBDA CBD CBGA CBG	25.60 % 1.72 % < LOQ 2.12 % < LOQ 0.61 % 0.19 %	(mg/g)  256.0  17.2  < LOQ  < LOQ  1.2  < LOQ  6.1  1.9	0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 %
Cannabinoid I Product Name: Analysis Date: Testing Batch ID:	Potency Analysis Sour OG  2020-05-17 V604,603,602,601,600,597	Cannabinoid Potency Analysis  Total THC * 24.17 % 241.7 mg/g  Total CBD * 0.11 %	ı	Tetrahydro-cannabinolic acid Delta9 Tetrahydro-cannabinolic Delta8 Tetrahydro-cannabinolic Tetrahydrocannabivarin Cannabidiolic acid Cannabidiol Cannabigerolic acid Cannabigerol Cannabidior	d THCA ol Δ-9-THC ol Δ-8-THC THCV CBDA CBD CBGA CBG CBDVA	25.60 % 1.72 % < LOQ 0.12 % < LOQ 0.61 % 0.19 % < LOQ	(mg/g)  256.0  17.2  < LOQ  < LOQ  1.2  < LOQ  6.1  1.9  < LOQ	0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 %
Cannabinoid I Product Name: Analysis Date: Testing Batch ID: Testing Method:	Potency Analysis Sour OG  2020-05-17 V604,603,602,601,600,597	Cannabinoid Potency Analysis  Total THC * 24.17 % 241.7 mg/g  Total CBD * 0.11 %		Tetrahydro-cannabinolic acid Delta9 Tetrahydro-cannabino Delta8 Tetrahydro-cannabino Tetrahydrocannabivarin Cannabidiolic acid Cannabidiol Cannabigerolic acid Cannabigerol Cannabidivarinic acid Cannabidivarinic	d THCA ol Δ-9-THC ol Δ-8-THC THCV CBDA CBD CBGA CBG CBDVA CBDV	25.60 % 1.72 % < LOQ 0.12 % < LOQ 0.61 % 0.19 % < LOQ < LOQ	(mg/g)  256.0  17.2  < LOQ  < LOQ  1.2  < LOQ  6.1  1.9  < LOQ  < LOQ	(%) 0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 % 0.1 %

<sup>\*</sup> moisture compensated & adjusted for the loss of carboxylic acid group - OAR 333-064-0100



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esting Batch ID: V  Moisture Analys	020-05-07 597,596	Water Activity Analysis  Quality Control Detail	I	МВ	LCS	Expected Value (aw)	Tested Value (aw)	Pass Criteria
Noisture Analys		Quality Control Detail		0		1 0000		
Noisture Analys		Quality Control Detail				1.0000	0.9972	aw ± 0.010
·	iis	Quality Control Detail			•	0.5289	0.5223	aw ± 0.010
nalysis Date: 20			Quality Control Detail					
	020-05-11	Moisture Analysis	I	MB	LCS	Expected Value (%)	Tested Value (%)	Pass Criteria
esting Batch ID: V	597 596			0		0.0%	1.0%	± 2.5%
soung baton ib.					•	100.0%	100.6%	± 2.5%
Cannabinoid Potency Analysis		Quality Control Detail						
nalysis Date: 20	020-05-17	Cannabinoid Potency Analysis	I	МВ	LCS	Expected Value (%)	Tested Value (%)	Pass Criteria
esting Ratch ID: V	604,603,602,601,600,597	Tetrahydro-cannabinolic acid		0		< 0.1%	< 0.1%	< 0.1%
sating batch ib.	004,000,002,001,000,001	Delta9 Tetrahydro-cannabinol		0		< 0.1%	< 0.1%	< 0.1%
		Cannabidiolic acid		0		< 0.1%	< 0.1%	< 0.1%
		Cannabidiol		0		< 0.1%	< 0.1%	< 0.1%
		Cannabinol		0		< 0.1%	< 0.1%	< 0.1%
		Tetrahydro-cannabinolic acid			•	100.0%	95.9%	80%-120%
		Delta9 Tetrahydro-cannabinol			•	100.0%	99.8%	80%-120%
		Cannabidiolic acid			•	100.0%	91.3%	80%-120%
		Cannabidiol			•	100.0%	89.4%	80%-120%
		Cannabinol			•	100.0%	96.7%	80%-120%

## **Report:** Definition

OLCC License No. 10087092BDA | ORELAP ID. 4147

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#### **Definitions**

- Limit of Quantitation (LOQ): The minimum level, concentration, or quantity of a target analyte that can be reported with a specific degree of confidence.
- Method Blank (MB): A quality control sample that is free of the analyte being measured.
- Laboratory Control Sample (LCS): A quality control sample with a known amount of the analyte used to demonstrate accuracy.
- Field Duplicate: A second sample collected in the field using the same sampling method as the primary sample.
- Action Limit: Analyte levels set by the state of Oregon (OAR 333-007) indicating that follow-up action is necessary.
- ppm: parts per million, equivalent to 1 μg/g and 1 μg/L or 0.001 mg/g and 0.001 mg/L
- COA: Certificate of Analysis.

#### **Calculations**

Cannabinoid Potency: Wet WT% = (Exported concentration ppm) x (Dilution) x (Extraction Vol./Wet wt mg) x 100

Total THC% = (%THCA) x 0.877 + (%THC) Total CBD% = (%CBDA) x 0.877 + (%CBD)

Total THC (Dry WT)% = % total THC(wet) / [1-(% moisture/100)]
Total CBD (Dry WT)% = % total CBD(wet) / [1-(% moisture/100)]

Percentage Recovery:
 % Rec. = [(Amount measured) / (Known amount)] \* 100

# **Report:** COA Evaluation Summary

OLCC License No. 10087092BDA | ORELAP ID. 4147

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For OLCC/OHA Compliance Purposes.

### **Product Description**

Client: SoFresh Farms

Product Name: Pesticide Composite (01,02,03)

Harvest Lot: n/a

Matrix: Cannabis Plant

Metrc Source ID: 1A4010300001E17000006833, + 2 more

Metrc Package ID: 1A4010300001E17000006779, + 2 more

License Number: 020-100010499D8

 Report ID:
 A1525-06

 Date Collected:
 2020-05-06

 Date Received:
 2020-05-06

 Report Date:
 2020-05-11

Tests Requested: Pesticide Analysis

### **Evaluation Summary**

Pesticide Analysis | Pesticide Status

Pass

No Pesticides Were Detected above Oregon's action limit as stated

in OAR 333-007-0400.

## **Report:** Case Narrative

OLCC License No. 10087092BDA | ORELAP ID. 4147

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For OLCC/OHA Compliance Purposes.

This certificate of analysis is prepared for...

SoFresh Farms 27135 S Gribble Rd. Canby, OR 97103

This report presents the analytical findings for the sample collected on 2020-05-06 by Dan Hanshaw using sampling plan A1525 and received by PREE Laboratory on 2020-05-06. The sample was assigned a laboratory ID of A1525-06. The results in this report only apply to sample A1525-06.

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The testing methods used are of sufficient sensitivity to meet the compliance criteria set in OAR 333-007. However, it is the responsibility of the client to utilize the data to comply with standards set in OAR 333-007.

All analyses were performed in accordance with PREE Laboratory's NELAP/TNI approved quality control system and all quality control data was within the laboratory's predefined acceptance criteria unless otherwise noted in the case narrative of this report. General comments are also recorded below.

#### Notes:

Pesticides: The initial calibration verification for the following analytes did not meet the acceptance criteria: Chlorantraniliprole, Permethrin

Tenzil Soula

Sardar, Tamzid M. | Laboratory Director Corvallis, Oregon



If you have any questions regarding the information in this report, please feel free to call 541-257-5002 or email PREE at services@preelab.com.

# **Report:** Evaluation Detail

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For OLCC/OHA Compliance Purposes.

Pestic	ide	Anal	vsis
	···u	niiui	7313

Product Name: Pesticide Composite (01,02,03)

**LCMS** 

Analysis Date: 2020-05-07

Testing Batch ID: V597,596

Testing Method: LSOP #307 Pesticides by LCMS

**GCMS** 

Analysis Date: 2020-05-07

Testing Batch ID: V597,596

Testing Method: LSOP #305 Pesticides by GCMS

<b>Eval</b>	luation	Detail
LVU	uuuoii	Dollan

Pesticide Name		sticide Name   Tested Value (ppm)		LOQ (ppm)	Status Pass/Unsatisfactory	
Abamectin B1a		<loq< td=""><td>0.50</td><td>0.20</td><td>Pass</td></loq<>	0.50	0.20	Pass	
Acephate		< LOQ	0.40	0.20	Pass	
Acequinocyl		< LOQ	2.00	0.20	Pass	
Acetamiprid		< LOQ	0.20	0.20	Pass	
Aldicarb		< LOQ	0.40	0.20	Pass	
Azoxystrobin		< LOQ	0.20	0.20	Pass	
Bifenazate		< LOQ	0.20	0.20	Pass	
Bifenthrin		< LOQ	0.20	0.20	Pass	
Boscalid		< LOQ	0.40	0.20	Pass	
Carbaryl		< LOQ	0.20	0.20	Pass	
Carbofuran		< LOQ	0.20	0.20	Pass	
Chlorantraniliprole		< LOQ	0.20	0.20	Pass	
Chlorfenapyr***		< LOQ	1.00	0.10	Pass	
Chlorpyrifos		< LOQ	0.20	0.20	Pass	
Clofentezine		< LOQ	0.20	0.20	Pass	
Cyfluthrin***		< LOQ	1.00	1.00	Pass	
Cypermethrin***		< LOQ	1.00	1.00	Pass	
Daminozide		< LOQ	1.00	0.20	Pass	
Diazinon		< LOQ	0.20	0.20	Pass	
Dichlorvos		< LOQ	1.00	0.20	Pass	
Dimethoate		< LOQ	0.20	0.20	Pass	
Ethoprophos		< LOQ	0.20	0.20	Pass	
Etofenprox		< LOQ	0.40	0.20	Pass	
Etoxazole		<l0q< td=""><td>0.20</td><td>0.20</td><td>Pass</td></l0q<>	0.20	0.20	Pass	
Fenoxycarb		<loq< td=""><td>0.20</td><td>0.20</td><td>Pass</td></loq<>	0.20	0.20	Pass	
Fenpyroximate		< L0Q	0.40	0.20	Pass	
Fipronil***		<loq< td=""><td>0.40</td><td>0.10</td><td>Pass</td></loq<>	0.40	0.10	Pass	
Flonicamid		<loq< td=""><td>1.00</td><td>0.20</td><td>Pass</td></loq<>	1.00	0.20	Pass	
Fludioxonil***		<loq< td=""><td>0.40</td><td>0.20</td><td>Pass</td></loq<>	0.40	0.20	Pass	
Hexythiazox		<loq <loq< td=""><td>1.00</td><td>0.20</td><td>Pass</td></loq<></loq 	1.00	0.20	Pass	
Imazalil		<loq <loq< td=""><td>0.20</td><td>0.20</td><td>Pass</td></loq<></loq 	0.20	0.20	Pass	
Imidacloprid		< LOQ	0.40	0.20	Pass	
ппаасторна		- 104	0.40	0.20	1 033	

# **Report:** Evaluation Detail

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### Pesticide Analysis

### **Evaluation Detail**

Pesticide Name	Tested Value (ppm)	Pass Criteria (ppm)	LOQ (ppm)	Status Pass/Unsatisfactory
Malathion	< LOQ	0.20	0.20	Pass
Metalaxyl	< LOQ	0.20	0.20	Pass
Methiocarb	< LOQ	0.20	0.20	Pass
Methomyl	< LOQ	0.40	0.20	Pass
MGK-264	< LOQ	0.20	0.20	Pass
Myclobutanil	< LOQ	0.20	0.20	Pass
Naled	< LOQ	0.50	0.20	Pass
Oxamyl	< LOQ	1.00	0.20	Pass
Paclobutrazol	< LOQ	0.40	0.20	Pass
Parathion-methyl***	< LOQ	0.20	0.10	Pass
Permethrin, cis-trans	< LOQ	0.20	0.20	Pass
Phosmet	< LOQ	0.20	0.20	Pass
Piperonyl butoxide	< LOQ	2.00	0.20	Pass
Prallethrin	< LOQ	0.20	0.20	Pass
Propiconazole***	< LOQ	0.40	0.20	Pass
Propoxur	< LOQ	0.20	0.20	Pass
Pyrethrins (3 isomers)	< LOQ	1.00	0.20	Pass
Pyridaben	< LOQ	0.20	0.20	Pass
Spinosad	< LOQ	0.20	0.20	Pass
Spiromesifen	< LOQ	0.20	0.20	Pass
Spirotetramat	< LOQ	0.20	0.20	Pass
Spiroxamine	< LOQ	0.40	0.20	Pass
Tebuconazole	< LOQ	0.40	0.20	Pass
Thiacloprid	< LOQ	0.20	0.20	Pass
Thiamethoxam	< LOQ	0.20	0.20	Pass
Trifloxystrobin	< LOQ	0.20	0.20	Pass

<sup>\*\*\*</sup> Compounds were tested on GCMS. All others on LCMS.

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For OLCC/OHA Compliance Purposes.

### Pesticide Analysis

### LCMS

Analysis Date: 2020-05-07

Testing Batch ID: V597,596

**GCMS** 

Analysis Date: 2020-05-07

Testing Batch ID: V597,596

Pesticide Name	MB	LCS	Expected Value (ppm)	Tested Value (ppm)	Pass Criteri (ppm)
Abamectin	0		< 0.25	< 0.25	< 0.25
Acephate	0		< 0.2	< 0.2	< 0.2
Acequinocyl	0		<1	< 1	< 1
Acetamiprid	0		< 0.1	< 0.1	< 0.1
Aldicarb	0		< 0.2	< 0.2	< 0.2
Azoxystrobin	0		< 0.1	< 0.1	< 0.1
Bifenazate	0		< 0.1	< 0.1	< 0.1
Bifenthrin	0		< 0.1	< 0.1	< 0.1
Boscalid	0		< 0.2	< 0.2	< 0.2
Carbaryl	0		< 0.1	< 0.1	< 0.1
Carbofuran	0		< 0.1	< 0.1	< 0.1
Chlorantraniliprole	0		< 0.1	< 0.1	< 0.1
Chlorfenapyr***	0		< 0.5	< 0.5	< 0.5
Chlorpyrifos	0		< 0.1	< 0.1	< 0.1
Clofentezine	0		< 0.1	< 0.1	< 0.1
Cyfluthrin***	0		< 0.5	< 0.5	< 0.5
Cypermethrin***	0		< 0.5	< 0.5	< 0.5
Daminozide	0		< 0.5	< 0.5	< 0.5
Diazinon	0		< 0.1	< 0.1	< 0.1
Dichlorvos	0		< 0.5	< 0.5	< 0.5
Dimethoate	0		< 0.1	< 0.1	< 0.1
Ethoprophos	0		< 0.1	< 0.1	< 0.1
Etofenprox	0		< 0.2	< 0.2	< 0.2
Etoxazole	0		< 0.1	< 0.1	< 0.1
enoxycarb	0		< 0.1	< 0.1	< 0.1
enpyroximate	0		< 0.2	< 0.2	< 0.2
ipronil***	0		< 0.2	< 0.2	< 0.2
Flonicamid	0		< 0.5	< 0.5	< 0.5
ludioxonil***	0		< 0.2	< 0.2	< 0.2
Hexythiazox	0		< 0.5	< 0.5	< 0.5
mazalil	0		< 0.1	< 0.1	< 0.1
midacloprid	0		< 0.2	< 0.2	< 0.2
· Kresoxim-methyl	0		< 0.2	< 0.2	< 0.2

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For OLCC/OHA Compliance Purposes.

### Pesticide Analysis

Pesticide Name	MB	LCS	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Malathion	0		< 0.1	< 0.1	< 0.1
Metalaxyl	0		< 0.1	< 0.1	< 0.1
/lethiocarb	0		< 0.1	< 0.1	< 0.1
Methomyl	0		< 0.2	< 0.2	< 0.2
MGK-264	0		< 0.1	< 0.1	< 0.1
Myclobutanil	0		< 0.1	< 0.1	< 0.1
Naled	0		< 0.25	< 0.25	< 0.25
Oxamyl	0		< 0.5	< 0.5	< 0.5
Paclobutrazol	0		< 0.2	< 0.2	< 0.2
Parathion-methyl***	0		< 0.1	< 0.1	< 0.1
Permethrin, cis-trans	0		< 0.1	< 0.1	< 0.1
Phosmet	0		< 0.1	< 0.1	< 0.1
Piperonyl butoxide	0		<1	<1	< 1
Prallethrin	0		< 0.1	< 0.1	< 0.1
Propiconazole***	0		< 0.2	< 0.2	< 0.2
Propoxur	0		< 0.1	< 0.1	< 0.1
Pyrethrins (3 isomers)	0		< 0.5	< 0.5	< 0.5
Pyridaben	0		< 0.1	< 0.1	< 0.1
Spinosad	0		< 0.1	< 0.1	< 0.1
Spiromesifen	0		< 0.1	< 0.1	< 0.1
Spirotetramat	0		< 0.1	< 0.1	< 0.1
Spiroxamine	0		< 0.2	< 0.2	< 0.2
Геbuconazole	0		< 0.2	< 0.2	< 0.2
Thiacloprid	0		< 0.1	< 0.1	< 0.1
Thiamethoxam	0		< 0.1	< 0.1	< 0.1
Frifloxystrobin	0		< 0.1	< 0.1	< 0.1
Abamectin		•	1.5	1.798	0.15 - 2.4
Acephate		•	1.5	1.579	0.15 - 2.4
cequinocyl		•	1.5	1.872	0.15 - 2.4
Acetamiprid		•	1.5	1.673	0.15 - 2.4
Aldicarb		•	1.5	2.371	0.15 - 2.4
Azoxystrobin		•	1.5	1.812	0.15 - 2.4
3 Bifenazate			1.5	1.605	0.15 - 2.4

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### Pesticide Analysis

Pesticide Name	1	MB	LCS	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Bifenthrin			•	1.5	1.891	0.15 - 2.4
Boscalid			•	1.5	1.479	0.15 - 2.4
Carbaryl			•	1.5	1.669	0.15 - 2.4
Carbofuran			•	1.5	1.662	0.15 - 2.4
Chlorantraniliprole			•	1.5	1.825	0.15 - 2.4
Chlorfenapyr***			•	1.5	1.462	0.75 - 2.4
Chlorpyrifos			•	1.5	1.666	0.15 - 2.4
Clofentezine			•	1.5	1.622	0.15 - 2.4
Cyfluthrin***			•	1.5	1.386	0.75 - 2.4
Cypermethrin***			•	1.5	1.413	0.75 - 2.4
Daminozide			•	1.5	1.460	0.15 - 2.4
Diazinon			•	1.5	1.692	0.15 - 2.4
Dichlorvos			•	1.5	1.502	0.15 - 2.4
Dimethoate			•	1.5	1.334	0.15 - 2.4
Ethoprophos			•	1.5	1.655	0.15 - 2.4
Etofenprox			•	1.5	1.700	0.15 - 2.4
Etoxazole			•	1.5	1.815	0.15 - 2.4
- enoxycarb			•	1.5	1.658	0.15 - 2.4
enpyroximate			•	1.5	1.735	0.15 - 2.4
-ipronil***			•	1.5	1.480	0.75 - 2.4
Flonicamid			•	1.5	1.376	0.15 - 2.4
- Fludioxonil***			•	1.5	1.483	0.75 - 2.4
Hexythiazox			•	1.5	1.632	0.15 - 2.4
mazalil			•	1.5	1.600	0.15 - 2.4
midacloprid			•	1.5	1.398	0.15 - 2.4
Kresoxim-methyl			•	1.5	1.332	0.15 - 2.4
Malathion			•	1.5	1.580	0.15 - 2.4
Metalaxyl			•	1.5	1.658	0.15 - 2.4
Methiocarb			•	1.5	1.520	0.15 - 2.4
Methomyl			•	1.5	1.591	0.15 - 2.4
MGK-264			•	1.5	1.904	0.15 - 2.4
Myclobutanil			•	1.5	1.643	0.15 - 2.4
Naled			•	1.5	1.758	0.15 - 2.4

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### Pesticide Analysis

Pesticide Name	I	MB	LCS	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Oxamyl			•	1.5	1.432	0.15 - 2.4
Paclobutrazol			•	1.5	1.657	0.15 - 2.4
Parathion-methyl***			•	1.5	1.568	0.75 - 2.4
Permethrin, cis-trans			•	1.5	1.811	0.15 - 2.4
Phosmet			•	1.5	1.375	0.15 - 2.4
Piperonyl butoxide			•	1.5	1.558	0.15 - 2.4
Prallethrin			•	1.5	1.509	0.15 - 2.4
Propiconazole***			•	1.5	1.656	0.15 - 2.4
Propoxur			•	1.5	1.738	0.15 - 2.4
Pyrethrins (3 isomers)			•	1.5	1.651	0.15 - 2.4
Pyridaben			•	1.5	1.631	0.15 - 2.4
Spinosad			•	1.5	1.725	0.15 - 2.4
Spiromesifen			•	1.5	1.583	0.15 - 2.4
Spirotetramat			•	1.5	1.658	0.15 - 2.4
Spiroxamine			•	1.5	1.522	0.15 - 2.4
Tebuconazole			•	1.5	1.700	0.15 - 2.4
Thiacloprid			•	1.5	1.308	0.15 - 2.4
Thiamethoxam			•	1.5	1.327	0.15 - 2.4
Trifloxystrobin			•	1.5	1.665	0.15 - 2.4

<sup>\*\*\*</sup> Compounds were tested on GCMS. All others on LCMS.

## **Report:** Definition

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#### **Definitions**

- Limit of Quantitation (LOQ): The minimum level, concentration, or quantity of a target analyte that can be reported with a specific degree of confidence.
- Method Blank (MB): A quality control sample that is free of the analyte being measured.
- Laboratory Control Sample (LCS): A quality control sample with a known amount of the analyte used to demonstrate accuracy.
- Field Duplicate: A second sample collected in the field using the same sampling method as the primary sample.
- Action Limit: Analyte levels set by the state of Oregon (OAR 333-007) indicating that follow-up action is necessary.
- ppm: parts per million, equivalent to 1 μg/g and 1 μg/L or 0.001 mg/g and 0.001 mg/L
- COA: Certificate of Analysis.

#### **Calculations**

Cannabinoid Potency: Wet WT% = (Exported concentration ppm) x (Dilution) x (Extraction Vol./Wet wt mg) x 100

Total THC% = (%THCA) x 0.877 + (%THC) Total CBD% = (%CBDA) x 0.877 + (%CBD)

Total THC (Dry WT)% = % total THC(wet) / [1-(% moisture/100)]
Total CBD (Dry WT)% = % total CBD(wet) / [1-(% moisture/100)]

Percentage Recovery:
 % Rec. = [(Amount measured) / (Known amount)] \* 100