

## CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

**BULK SKU** TN.O.CBGCBD.FS50

**BATCH #** DJ55

**PRODUCT NAME** Org. Tincture - F.S. CBG/CBD - 50mg **SERVING SIZE** 1 mL

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

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

1 g = 10<sup>-3</sup> kg = 10<sup>3</sup> mg = 10<sup>6</sup> µg  
1 mg/kg = 1 ppm = 1000 ppb

POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	31.2 mg/serving	33.5 mg/g	3.35 %
Total THC (d9-THC, THCA)	1.34 mg/serving	1.44 mg/g	0.144 %
Cannabigerol (CBG)	27.2 mg/serving	29.2 mg/g	2.92 %
Cannabinol (CBN)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Cannabichromene (CBC)	1.97 mg/serving	2.12 mg/g	0.212 %
Tetrahydrocannabinolic Acid (THCA)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Delta-9-THC (d9-THC)	1.34 mg/serving	1.44 mg/g	0.144 %
Delta-8-THC (d8-THC)	<LOQ mg/serving	<LOQ mg/g	<LOQ %

HEAVY METALS	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Arsenic	<LOQ µg/serving	<LOQ µg/g	10 µg/day <sup>[1]</sup>
Cadmium	<LOQ µg/serving	<LOQ µg/g	4.1 µg/day <sup>[1]</sup>
Lead	<LOQ µg/serving	<LOQ µg/g	3.5 µg/day <sup>[2]</sup>
Mercury	<LOQ µg/serving	<LOQ µg/g	2 µg/day <sup>[1]</sup>

PESTICIDES	REGULATORY ACTION LEVEL
None of the other 59 pesticides tested found above limit of detection in the sample.	10 ppb <sup>[1]</sup>

RESIDUAL SOLVENTS	Results	REGULATORY ACTION LEVEL
Ethanol	<LOQ	
Heptane	<LOQ	
None of the 34 residual solvents tested found above limit of quantitation in the sample.		

MICROBIAL	PASS/FAIL
Yeast & Mold	Pass
Coliform	Pass
Water Activity	Pass

TERPENES	% OF SAMPLE
Farnesene	27.4 %
β-Caryophyllene	29.9 %
α-Bisabolol	18.9 %
Humulene	14.3 %



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

2. US Food and Drug Administration. (2019). Lead in Food, Foodwares, and Dietary Supplements. Washington DC: FDA. US Food and Drug Administration. (2019). Lead in Food, Foodwares, and Dietary Supplements. Washington DC: FDA.



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



**Report Number:** 21-013569/D002.R000  
**Report Date:** 11/23/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/17/21 14:45

**Customer:** Etz Hayim Holdings  
**Product identity:** FORM\_DJ55-TN.O.CBGCBD.FS50  
**Client/Metric ID:** .  
**Laboratory ID:** 21-013569-0001

### Summary

**Potency:**

Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml <sup>†</sup>	1 97		mg/1ml		CBD Total per 1ml 31.2 mg/1ml
CBD per 1ml	31 2		mg/1ml		
CBDV per 1ml <sup>†</sup>	0 278		mg/1ml		THC-Total per 1ml 1.34 mg/1ml
CBE per 1ml <sup>†</sup>	0 403		mg/1ml		
CBG per 1ml <sup>†</sup>	27 2		mg/1ml		(Reported in milligrams per serving)
CBL per 1ml <sup>†</sup>	0 0792		mg/1ml		
CBT per 1ml <sup>†</sup>	0 741		mg/1ml		
Δ9 THC per 1ml	1 34		mg/1ml		



12423 NE Whitaker Way  
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**Purchase Order:**  
**Received:** 11/17/21 14:45



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

**Product identity:** FORM\_DJ55-TN.O.CBGCBD.FS50

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 21-013569-0001

**Evidence of Cooling:** No

**Temp:** 17.3 °C

**Relinquished by:** Client

**Serving Size #1:** 0.93 g

**Density:** 0.9300 g/ml

### Sample Results

Potency per 1ml	Method J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2110535	Analyze: 11/19/21 11:45:00 P	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml <sup>†</sup>	1.97		mg/1ml	0.0308	
CBC-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0331	
CBC-Total per 1ml <sup>†</sup>	1.97		mg/1ml	0.0577	
CBD per 1ml	31.2		mg/1ml	0.308	
CBD-A per 1ml	< LOQ		mg/1ml	0.0331	
CBD-Total per 1ml	31.2		mg/1ml	0.335	
CBDV per 1ml <sup>†</sup>	0.278		mg/1ml	0.0308	
CBDV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0331	
CBDV-Total per 1ml <sup>†</sup>	0.278		mg/1ml	0.0574	
CBE per 1ml <sup>†</sup>	0.403		mg/1ml	0.0308	
CBG per 1ml <sup>†</sup>	27.2		mg/1ml	0.308	
CBG-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0331	
CBG-Total per 1ml <sup>†</sup>	27.2		mg/1ml	0.334	
CBL per 1ml <sup>†</sup>	0.0792		mg/1ml	0.0308	
CBL-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0331	
CBL-Total per 1ml <sup>†</sup>	0.0792		mg/1ml	0.0577	
CBN per 1ml	< LOQ		mg/1ml	0.0331	
CBT per 1ml <sup>†</sup>	0.741		mg/1ml	0.0308	
Δ8-THCV per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0331	
Δ8-THC per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0331	
Δ9-THC per 1ml	1.34		mg/1ml	0.0308	
exo-THC per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0331	
THC-A per 1ml	< LOQ		mg/1ml	0.0331	
THC-Total per 1ml	1.34		mg/1ml	0.0577	
THCV per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0331	
THCV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0331	
THCV-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0621	
Total Cannabinoids per 1ml	63.2		mg/1ml		



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

**Abbreviations**

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

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

† = Analyte not NELAP accredited.

**Units of Measure**

g = Gram

g/ml = Gram per milliliter

mg/1ml = Milligram per 1ml

% = Percentage of sample

% wt =  $\mu\text{g/g}$  divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

**Cannabis Chain of Custody Record**

ORELAP ID: OR100028

Field ID		Date/Time Collected	Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Matrix	Weight	Serving size for edibles	Comments/Metric ID
FORM-DJ55-TN.O.CBGCBD.FS50		11/1 1422			X										kinetic			Laz Nat Discount
FORM-DJ55-TN.O.CBGCBD.FS50		11/1 1422								X	X				kinetic			potency first
FORM-DJ55-TN.O.CBGCBD.FS50		11/1 1422	X			X		X				X			kinetic			

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)							Client Alias:
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)							Order Number:
<input type="checkbox"/> Priority Rush (2 day) (2x Standard)							Proper Container
							Sample Condition
							Temperature: 17.3°C
							Shipped Via: <i>Client</i>
							Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM  
Revision: 1.02 Control#: CF023 Effective 01/31/2019 Revised 01/31/2019 [www.pixislab.com](http://www.pixislab.com) Page 1 of 8





12423 NE Whitaker Way  
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503-254-1794



**Report Number:** 21-013569/D002.R000  
**Report Date:** 11/23/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/17/21 14:45

Revision # 0 00 Con rol CFL D06  
Revision Date 05/31/2019 Effective Date 05/31/2019

**Laboratory Quality Control Results**

J AOAC 2015 V98-6							
Batch ID: 2110535							
Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.0100	0.01	%	100	85.0 - 115	Acceptable	
CBDV	0.0110	0.01	%	110	85.0 - 115	Acceptable	
CBE	0.00987	0.01	%	98.7	85.0 - 115	Acceptable	
CBDA	0.0101	0.01	%	101	85.0 - 115	Acceptable	
CBGA	0.0101	0.01	%	101	85.0 - 115	Acceptable	
CBG	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBD	0.00985	0.01	%	98.5	85.0 - 115	Acceptable	
THCV	0.0101	0.01	%	101	85.0 - 115	Acceptable	
d8THCV	0.00950	0.01	%	95.0	85.0 - 115	Acceptable	
THCVA	0.00985	0.01	%	98.5	85.0 - 115	Acceptable	
CBN	0.00993	0.01	%	99.3	85.0 - 115	Acceptable	
exo-THC	0.00908	0.01	%	90.8	85.0 - 115	Acceptable	
d9THC	0.00961	0.01	%	96.1	85.0 - 115	Acceptable	
d8THC	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBL	0.00981	0.01	%	98.1	85.0 - 115	Acceptable	
CBC	0.0105	0.01	%	105	85.0 - 115	Acceptable	
THCA	0.00984	0.01	%	98.4	85.0 - 115	Acceptable	
CBCA	0.0104	0.01	%	104	85.0 - 115	Acceptable	
CBLA	0.00986	0.01	%	98.6	85.0 - 115	Acceptable	
CBT	0.0113	0.01	%	113	85.0 - 115	Acceptable	

**Method Blank**

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

**Abbreviations**

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

**Units of Measure:**

% - Percent



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



**Report Number:** 21-013569/D002.R000  
**Report Date:** 11/23/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/17/21 14:45

Revision # 0 00 Con rol CFL D06  
 Revision Da e 05/31/2019 Effec ive Da e 05/31/2019

**Laboratory Quality Control Results**

J AOAC 2015 V98-6								
Batch ID: 2110535								
Sample Duplicate								
Sample D 21-010754-0004								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.00675	0.00689	0.003	%	2.04	< 20	Acceptable	
CBE	0.00815	0.00830	0.003	%	1.82	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	2.17	2.19	0.003	%	0.617	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	

**Abbreviations**

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

**Units of Measure:**

% - Percent





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Portland, OR 97230  
503-254-1794



**Report Number:** 21-013569/D002.R000  
**Report Date:** 11/23/2021  
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**Purchase Order:**  
**Received:** 11/17/21 14:45

Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.



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



**Report Number:** 21-013569/D005.R000  
**Report Date:** 12/02/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/17/21 14:45

**Customer:** Etz Hayim Holdings  
**Product identity:** FORM\_DJ55-TN.O.CBGCBD.FS50  
**Client/Metric ID:** .  
**Laboratory ID:** 21-013569-0002

### Summary

-----  
**Microbiology:**

Less than LOQ for all analytes.



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

**Report Number:** 21-013569/D005.R000  
**Report Date:** 12/02/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/17/21 14:45



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

**Product identity:** FORM\_DJ55-TN.O.CBGCBD.FS50

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 21-013569-0002

**Evidence of Cooling:** No

**Temp:** 17.3 °C

**Relinquished by:** Client

### Sample Results

#### Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2110589	11/26/21	AOAC 991.14 (Petrifilm)	X, I	
Total Coliforms	< LOQ		cfu/g	10	2110589	11/26/21	AOAC 991.14 (Petrifilm)	X, I	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2110590	11/27/21	AOAC 2014.05 (RAPID)	X, I	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2110590	11/27/21	AOAC 2014.05 (RAPID)	X, I	



12423 NE Whitaker Way  
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**Purchase Order:**  
**Received:** 11/17/21 14:45

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

**Abbreviations**

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

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

**Units of Measure**

cfu/g = Colony forming units per gram

% wt =  $\mu\text{g/g}$  divided by 10,000

**Glossary of Qualifiers**

I: Insufficient sample received to meet method requirements.

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner  
General Manager



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Portland, OR 97230  
503-254-1794



**Report Number:** 21-013569/D005.R000  
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**Purchase Order:**  
**Received:** 11/17/21 14:45



12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

**Cannabis Chain of Custody Record**

ORELAP ID: OR100028

Field ID		Date/Time Collected		Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Matrix	Weight	Serving size for edibles	Comments/Metric ID
FORM-DJ55-TN.O.CBGCBD.FS50		11/1	1422			X										kinetic			Laz Nat Discount
FORM-DJ55-TN.O.CBGCBD.FS50		11/1	1422								X	X				kinetic			potency first
FORM-DJ55-TN.O.CBGCBD.FS50		11/1	1422	X			X		X				X			kinetic			

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)							Client Alias:
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)							Order Number:
<input type="checkbox"/> Priority Rush (2 day) (2x Standard)							Proper Container
							Sample Condition
							Temperature: 17.3°C
							Shipped Via: <i>Client</i>
							Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM  
Revision: 1.02 Control#: CF023 Effective 01/31/2019 Revised 01/31/2019 [www.pixislabs.com](http://www.pixislabs.com) Page 1 of 2



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



**Report Number:** 21-013569/D005.R000  
**Report Date:** 12/02/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/17/21 14:45

Explanation of QC Flag Comments:

Code	Explanation
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Q1	Quality control result biased high. Only non-detect samples reported.
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Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.



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**Report Number:** 21-013569/D004.R000  
**Report Date:** 12/02/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/17/21 14:45

**Customer:** Etz Hayim Holdings  
**Product identity:** FORM\_DJ55-TN.O.CBGCBD.FS50  
**Client/Metric ID:** .  
**Laboratory ID:** 21-013569-0003

### Summary

#### Residual Solvents:

All analytes passing and less than LOQ.

#### Pesticides:

All analytes passing and less than LOQ.

#### Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
$\beta$ -Caryophyllene <sup>†</sup>	0.0796	29.92%	farnesene <sup>†</sup>	0.0728	27.37%
$\alpha$ -Bisabolol <sup>†</sup>	0.0504	18.95%	Humulene <sup>†</sup>	0.0380	14.29%
$\beta$ -Myrcene <sup>†</sup>	0.0248	9.32%	<b>Total Terpenes<sup>†</sup></b>	<b>0.266</b>	<b>100.00%</b>

#### Metals:

Less than LOQ for all analytes.





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



**Report Number:** 21-013569/D004.R000  
**Report Date:** 12/02/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/17/21 14:45

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

**Product identity:** FORM\_DJ55-TN.O.CBGCBD.FS50  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 21-013569-0003  
**Evidence of Cooling:** No  
**Temp:** 17.3 °C  
**Relinquished by:** Client

### Sample Results

Solvents		Method Residual Solvents by GC/MS				Units µg/g	Batch 2110633	Analyze 11/29/21 09:46 AM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethanol <sup>1</sup>	< LOQ		200		
Ethyl acetate	< LOQ	5000	200	pass		Ethyl benzene	< LOQ		200		
Ethyl ether	< LOQ	5000	200	pass		Ethylene glycol	< LOQ	620	200	pass	
Ethylene oxide	< LOQ	50.0	20.0	pass		Hexanes (sum)	< LOQ	290	150	pass	
Isopropyl acetate	< LOQ	5000	200	pass		Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass	
m,p-Xylene	< LOQ		200			Methanol	< LOQ	3000	200	pass	
Methylene chloride	< LOQ	600	60.0	pass		Methylpropane (Isobutane)	< LOQ		200		
n-Butane	< LOQ		200			n-Heptane	< LOQ	5000	200	pass	
n-Hexane	< LOQ		30.0			n-Pentane	< LOQ		200		
o-Xylene	< LOQ		200			Pentanes (sum)	< LOQ	5000	600	pass	
Propane	< LOQ	5000	200	pass		Tetrahydrofuran	< LOQ	720	100	pass	
Toluene	< LOQ	890	100	pass		Total Xylenes	< LOQ		400		
Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass							



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

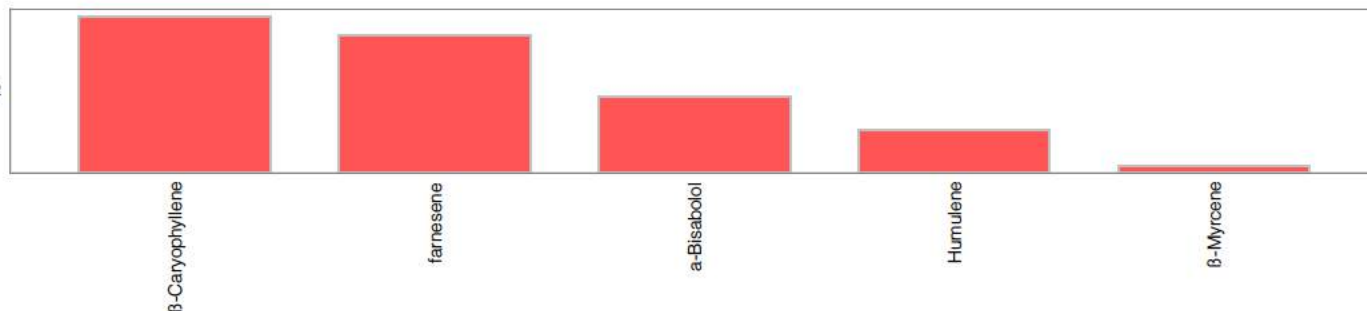


**Report Number:** 21-013569/D004.R000  
**Report Date:** 12/02/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/17/21 14:45

Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2110612 Analyze 11/24/21 04:14 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.200	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazole	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Fonicamid	< 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		Paclbutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	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	0.200	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							



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2110777	Analyze 12/01/21 07:26 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
β-Caryophyllene <sup>†</sup>	0.0796	0.019	29.9248%		farnesene <sup>†</sup>	0.0728	0.019	27.3684%	
α-Bisabolol <sup>†</sup>	0.0504	0.019	18.9474%		Humulene <sup>†</sup>	0.0380	0.019	14.2857%	
β-Myrcene <sup>†</sup>	0.0248	0.019	9.3233%		(-)-Guaiol <sup>†</sup>	< LOQ	0.019	0.00%	
(-)-caryophyllene oxide <sup>†</sup>	< LOQ	0.019	0.00%		(R)-(+)-Limonene <sup>†</sup>	< LOQ	0.019	0.00%	
Linalool <sup>†</sup>	< LOQ	0.019	0.00%		Geraniol <sup>†</sup>	< LOQ	0.019	0.00%	
(-)-α-Terpineol <sup>†</sup>	< LOQ	0.019	0.00%		γ-Terpinene <sup>†</sup>	< LOQ	0.019	0.00%	
p-Cymene <sup>†</sup>	< LOQ	0.019	0.00%		Sabinene <sup>†</sup>	< LOQ	0.019	0.00%	
(±)-trans-Nerolidol <sup>†</sup>	< LOQ	0.019	0.00%		α-Terpinene <sup>†</sup>	< LOQ	0.019	0.00%	
nerol <sup>†</sup>	< LOQ	0.019	0.00%		cis-β-Ocimene <sup>†</sup>	< LOQ	0.006	0.00%	
Terpinolene <sup>†</sup>	< LOQ	0.019	0.00%		Geranyl acetate <sup>†</sup>	< LOQ	0.019	0.00%	
(+)-fenchol <sup>†</sup>	< LOQ	0.019	0.00%		Sabinene hydrate <sup>†</sup>	< LOQ	0.019	0.00%	
(+)-Borneol <sup>†</sup>	< LOQ	0.019	0.00%		(+)-Pulegone <sup>†</sup>	< LOQ	0.019	0.00%	
valencene <sup>†</sup>	< LOQ	0.019	0.00%		α-pinene <sup>†</sup>	< LOQ	0.019	0.00%	
(-)-β-Pinene <sup>†</sup>	< LOQ	0.019	0.00%		(±)-Camphor <sup>†</sup>	< LOQ	0.019	0.00%	
(±)-fenchone <sup>†</sup>	< LOQ	0.019	0.00%		(-)-Isopulegol <sup>†</sup>	< LOQ	0.019	0.00%	
(+)-Cedrol <sup>†</sup>	< LOQ	0.019	0.00%		(±)-cis-Nerolidol <sup>†</sup>	< LOQ	0.019	0.00%	
α-cedrene <sup>†</sup>	< LOQ	0.019	0.00%		α-phellandrene <sup>†</sup>	< LOQ	0.019	0.00%	
Camphene <sup>†</sup>	< LOQ	0.019	0.00%		d-3-Carene <sup>†</sup>	< LOQ	0.019	0.00%	
Eucalyptol <sup>†</sup>	< LOQ	0.019	0.00%		Isoborneol <sup>†</sup>	< LOQ	0.019	0.00%	
Menthol <sup>†</sup>	< LOQ	0.019	0.00%		trans-β-Ocimene <sup>†</sup>	< LOQ	0.013	0.00%	
<b>Total Terpenes</b>	<b>0.266</b>								



Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.0475	2110712	11/30/21	AOAC 2013.06 (mod.)	pass	X
Cadmium	< LOQ	0.200	mg/kg	0.0475	2110712	11/30/21	AOAC 2013.06 (mod.)	pass	X
Lead	< LOQ	0.500	mg/kg	0.0475	2110712	11/30/21	AOAC 2013.06 (mod.)	pass	X
Mercury	< LOQ	0.100	mg/kg	0.0237	2110712	11/30/21	AOAC 2013.06 (mod.)	pass	X



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



**Report Number:** 21-013569/D004.R000  
**Report Date:** 12/02/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/17/21 14:45

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

**Abbreviations**

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

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

† = Analyte not NELAP accredited.

**Units of Measure**

µg/g = Microgram per gram

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

% = Percentage of sample

% wt = µg/g divided by 10,000

**Glossary of Qualifiers**

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner  
General Manager



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



**Report Number:** 21-013569/D004.R000  
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**Received:** 11/17/21 14:45



12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

**Cannabis Chain of Custody Record**

ORELAP ID: OR100028

Company Information		Analysis Requested											Purchase Order Information					
Comp:	[Redacted]	Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Matrix	Weight	Serving size for edibles	Comments/Metric ID	Purchase Order Number:
Cont:	[Redacted]																	Project Number:
Addr:	[Redacted]																	Project Name:
Email:	[Redacted]																	<input type="checkbox"/> Report Instructions:
Phone:	[Redacted]																	<input type="checkbox"/> Send to State - METRC
Processor's License:		<input checked="" type="checkbox"/> Email Final Results:																
		<input type="checkbox"/> Fax Final Results:																
		<input type="checkbox"/> Cash/Check/CC/Net 30																
		Other:																
Field ID	Date/Time Collected																	
FORM-DJ55-TN.O.CBGCBD.FS50	11/1 1422			X										kinetic				Laz Nat Discount
FORM-DJ55-TN.O.CBGCBD.FS50	11/1 1422								X	X				kinetic				potency first
FORM-DJ55-TN.O.CBGCBD.FS50	11/1 1422	X			X		X				X			kinetic				

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)	[Redacted]			[Redacted]			Client Alias:
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)							Order Number:
<input type="checkbox"/> Priority Rush (2 day) (2x Standard)							Proper Container
							Sample Condition
							Temperature: 17.3°C
							Shipped Via: <i>Client</i>
							Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM  
Revision: 1.02 Control#: CF023 Effective 01/31/2019 Revised 01/31/2019 [www.pixislab.com](http://www.pixislab.com) Page 1 of 2

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.

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





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

Report Number: 21-013569/D004.R000  
 Report Date: 12/02/2021  
 ORELAP#: OR100028  
 Purchase Order:  
 Received: 11/17/21 14:45



Revision: 2 Document ID: 3120  
 Legacy ID: CFL-C21Effective:

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg							Batch ID: 2110612	
Matrix Spike/Matrix Spike Duplicate Recoveries										
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Accephate	0.000	0.818	0.831	1.000	1.6%	< 30	81.8%	83.1%	50 - 150	
Acetaminophen	0.000	2.015	1.873	4.000	7.3%	< 30	50.4%	46.8%	50 - 150	Q
Acetamiprid	0.012	0.371	0.374	0.400	0.8%	< 30	89.9%	90.6%	50 - 150	
Aldicarb	0.000	1.004	0.719	0.800	33.0%	< 30	125.5%	89.9%	50 - 150	R
Abamectin	0.000	1.108	1.088	1.000	1.8%	< 30	110.8%	108.8%	50 - 150	
Azoxystrobin	0.000	0.368	0.390	0.400	5.9%	< 30	91.9%	97.5%	50 - 150	
Bifenazate	0.000	0.419	0.429	0.400	2.3%	< 30	104.8%	107.2%	50 - 150	
Bifenthrin	0.015	0.401	0.341	0.400	17.0%	< 30	96.4%	81.3%	50 - 150	
Boscalid	0.000	0.753	0.744	0.800	1.3%	< 30	94.2%	93.0%	50 - 150	
Carbaryl	0.000	0.357	0.352	0.400	1.4%	< 30	89.3%	88.1%	50 - 150	
Carbofuran	0.000	0.384	0.389	0.400	1.1%	< 30	96.1%	97.2%	50 - 150	
Chlorantraniliprol	0.000	0.371	0.363	0.400	2.2%	< 30	92.7%	90.7%	50 - 150	
Chlorfenapyr	0.000	1.736	1.880	2.000	8.0%	< 30	86.8%	94.0%	50 - 150	
Chlorpyrifos	0.037	0.433	0.434	0.400	0.3%	< 30	99.0%	99.3%	50 - 150	
Clofentezine	0.033	0.401	0.395	0.400	1.7%	< 30	92.2%	90.6%	50 - 150	
Cyfluthrin	0.000	1.740	1.822	2.000	4.6%	< 30	87.0%	91.1%	30 - 150	
Cypermethrin	0.000	1.687	1.595	2.000	5.6%	< 30	84.4%	79.7%	50 - 150	
Daminozide	0.000	2.525	2.488	2.000	1.5%	< 30	126.3%	124.4%	30 - 150	
Diazinon	0.000	0.403	0.397	0.400	1.5%	< 30	100.7%	99.2%	50 - 150	
Dichlorvos	0.000	1.869	1.920	2.000	2.7%	< 30	93.4%	96.0%	50 - 150	
Dimethoat	0.000	0.408	0.405	0.400	0.7%	< 30	102.0%	101.4%	50 - 150	
Ethoprophos	0.000	0.381	0.377	0.400	1.1%	< 30	95.2%	94.2%	50 - 150	
Etofenprox	0.000	0.635	0.568	0.800	11.1%	< 30	79.3%	70.9%	50 - 150	
Etoxazol	0.000	0.347	0.302	0.400	13.8%	< 30	86.6%	75.4%	50 - 150	
Fenoxycarb	0.000	0.382	0.386	0.400	1.2%	< 30	95.4%	96.5%	50 - 150	
Fenpyroximat	0.000	0.878	0.853	0.800	2.9%	< 30	109.7%	106.7%	50 - 150	
Fipronil	0.000	0.624	0.610	0.800	2.3%	< 30	78.0%	76.2%	50 - 150	
Fonicamid	0.000	0.990	0.970	1.000	2.0%	< 30	99.0%	97.0%	50 - 150	
Fludioxonil	0.000	0.995	1.027	0.800	3.2%	< 30	124.3%	128.4%	50 - 150	
Hexythiazox	0.000	0.780	0.663	1.000	16.3%	< 30	78.0%	66.3%	50 - 150	
Imazalil	0.000	0.357	0.365	0.400	2.3%	< 30	89.3%	91.4%	50 - 150	
Imidacloprid	0.000	0.817	0.798	0.800	2.3%	< 30	102.1%	99.7%	50 - 150	
Kresoxim-Methyl	0.000	0.782	0.771	0.800	1.4%	< 30	97.7%	96.4%	50 - 150	
Malathion	0.000	0.367	0.378	0.400	3.0%	< 30	91.8%	94.6%	50 - 150	
Metaxyl	0.000	0.414	0.411	0.400	0.7%	< 30	103.6%	102.8%	50 - 150	
Methiocarb	0.000	0.397	0.366	0.400	8.1%	< 30	99.2%	91.4%	50 - 150	
Methomyl	0.000	0.817	0.780	0.800	4.6%	< 30	102.1%	97.6%	50 - 150	
MKG 264	0.000	0.333	0.302	0.400	9.7%	< 30	83.2%	75.5%	50 - 150	
Myclobutanil	0.000	0.341	0.371	0.400	8.4%	< 30	85.2%	92.6%	50 - 150	
Naled	0.000	0.809	0.847	1.000	4.7%	< 30	80.9%	84.7%	50 - 150	
Oxamyl	0.000	1.978	1.928	2.000	2.6%	< 30	98.9%	96.4%	50 - 150	
Paclobutrazol	0.000	0.711	0.727	0.800	2.3%	< 30	88.8%	90.9%	50 - 150	
Parathion Methyl	0.000	0.373	0.486	0.800	26.3%	< 30	46.6%	60.7%	30 - 150	
Permethrin	0.000	0.281	0.245	0.400	14.0%	< 30	70.3%	61.2%	50 - 150	
Phosmet	0.000	0.342	0.336	0.400	1.9%	< 30	85.6%	84.0%	50 - 150	
Piperonyl butoxide	0.000	2.052	1.933	2.000	6.0%	< 30	102.6%	96.6%	50 - 150	
Prallethrin	0.000	0.632	0.594	0.400	6.1%	< 30	157.9%	148.6%	50 - 150	Q1
Propiconazole	0.000	0.798	0.730	0.800	9.0%	< 30	99.8%	91.2%	50 - 150	
Propoxur	0.000	0.400	0.349	0.400	13.4%	< 30	99.9%	87.3%	50 - 150	
Pyrethrins	0.000	0.605	0.572	0.413	5.5%	< 30	146.4%	138.6%	50 - 150	
Pyridaben	0.000	0.353	0.359	0.400	1.6%	< 30	88.3%	89.7%	50 - 150	
Spinosad	0.000	0.448	0.465	0.388	3.7%	< 30	115.5%	119.9%	50 - 150	
Spiromesifen	0.000	0.437	0.435	0.400	0.3%	< 30	109.2%	108.9%	50 - 150	
Spirotetramat	0.000	0.536	0.507	0.400	5.6%	< 30	134.0%	126.7%	50 - 150	
Spiroxamine	0.000	0.880	0.848	0.800	3.7%	< 30	110.1%	106.0%	50 - 150	
Tebuconazol	0.000	0.749	0.723	0.800	3.6%	< 30	93.6%	90.4%	50 - 150	
Thiadoprid	0.000	0.420	0.381	0.400	9.9%	< 30	105.1%	95.2%	50 - 150	
Thiamethoxam	0.000	0.390	0.354	0.400	9.6%	< 30	97.5%	88.6%	50 - 150	
Trifloxystrobin	0.000	0.442	0.417	0.400	5.8%	< 30	110.5%	104.3%	50 - 150	



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 503-254-1794

**Report Number:** 21-013569/D004.R000  
**Report Date:** 12/02/2021  
**ORELAP#:** OR100028  
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Revision: 2 Document ID: 3120  
 Legacy ID: CFL-C21Effective:

**Laboratory Pesticide Quality Control Results**

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 2110612				
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Accephate	0.003	< 0.250		1.051	1.000	105.1	72.9 - 135	
Accequinocyl	0.000	< 1.000		4.674	4.000	116.9	72.7 - 135	
Acetamidiprid	0.000	< 0.100		0.442	0.400	110.5	73.0 - 136	
Aldicarb	0.000	< 0.200		0.749	0.800	93.7	74.8 - 139	
Abamectin	0.000	< 0.250		1.126	1.000	112.6	75.9 - 141	
Azoxystrobin	0.000	< 0.100		0.432	0.400	107.9	72.4 - 135	
Bifenazate	0.000	< 0.100		0.418	0.400	104.4	81.3 - 151	
Bifenthrin	0.000	< 0.100		0.451	0.400	112.9	72.4 - 134	
Boscalid	0.000	< 0.200		0.944	0.800	118.0	73.3 - 136	
Carbaryl	0.005	< 0.100		0.429	0.400	107.2	73.3 - 136	
Carbofuran	0.000	< 0.100		0.366	0.400	91.5	74.0 - 137	
Chlorantraniliprol	0.000	< 0.100		0.385	0.400	96.1	68.1 - 127	
Chlorfenapyr	0.000	< 0.500		2.189	2.000	109.5	73.3 - 136	
Chlorpyrifos	0.012	< 0.100		0.428	0.400	107.1	71.2 - 132	
Clofentezine	0.000	< 0.100		0.417	0.400	104.4	71.4 - 133	
Cyfluthrin	0.000	< 0.500		2.375	2.000	118.7	74.5 - 138	
Cypermethrin	0.000	< 0.500		2.114	2.000	105.7	73.4 - 136	
Daminozide	0.258	< 0.500		2.267	2.000	113.3	72.4 - 135	
Diazinon	0.000	< 0.100		0.436	0.400	109.0	73.3 - 136	
Dichlorvos	0.000	< 0.500		2.248	2.000	112.4	71.2 - 132	
Dimethoat	0.000	< 0.100		0.434	0.400	108.5	72.6 - 135	
Ethoprophos	0.000	< 0.100		0.440	0.400	110.0	71.5 - 133	
Etofenprox	0.000	< 0.200		1.039	0.800	129.8	73.9 - 137	
Etoxazol	0.000	< 0.100		0.391	0.400	97.9	73.3 - 136	
Fenoxycarb	0.000	< 0.100		0.421	0.400	105.3	72.3 - 134	
Fenpyroximat	0.000	< 0.200		0.887	0.800	110.9	73.4 - 136	
Fipronil	0.000	< 0.200		0.868	0.800	108.5	74.5 - 138	
Fonicamid	0.000	< 0.250		1.128	1.000	112.8	73.3 - 136	
Fludioxonil	0.000	< 0.200		0.868	0.800	108.5	74.9 - 139	
Hexythiazox	0.000	< 0.250		1.045	1.000	104.5	71.2 - 132	
Imazali	0.000	< 0.100		0.415	0.400	103.7	74.7 - 139	
Imidacloprid	0.000	< 0.200		0.879	0.800	109.9	72.7 - 135	
Kresoxim-Methyl	0.000	< 0.200		0.835	0.800	104.3	72.6 - 135	
Malathion	0.000	< 0.100		0.456	0.400	114.0	72.5 - 135	
Metaxyl	0.000	< 0.100		0.444	0.400	110.9	73.3 - 136	
Methiocarb	0.000	< 0.100		0.410	0.400	102.5	72.6 - 135	
Methomyl	0.000	< 0.200		0.846	0.800	105.7	72.0 - 134	
MKG 264	0.000	< 0.100		0.457	0.400	114.3	72.5 - 135	
Myclobutanil	0.000	< 0.100		0.422	0.400	105.5	73.0 - 135	
Naled	0.000	< 0.250		1.178	1.000	117.8	73.0 - 136	
Oxamyl	0.000	< 0.500		2.059	2.000	103.0	73.1 - 136	
Paclobutrazol	0.000	< 0.200		0.913	0.800	114.2	73.3 - 136	
Parathion Methyl	0.000	< 0.200		0.930	0.800	116.2	75.4 - 140	
Permethrin	0.000	< 0.100		0.429	0.400	107.2	72.7 - 135	
Phosmet	0.000	< 0.100		0.462	0.400	115.4	72.5 - 135	
Piperonyl butoxide	0.000	< 0.500		2.230	2.000	111.5	75.7 - 141	
Prallethrin	0.000	< 0.100		0.446	0.400	111.5	72.7 - 135	
Propiconazole	0.000	< 0.200		0.856	0.800	107.0	72.9 - 135	
Propoxur	0.004	< 0.100		0.454	0.400	113.5	72.2 - 134	
Pyrethrins	0.000	< 0.100		0.408	0.413	98.8	68.8 - 128	
Pyridaben	0.000	< 0.100		0.440	0.400	110.1	72.2 - 134	
Spinosad	0.000	< 0.100		0.437	0.388	112.7	75.0 - 139	
Spiromesifen	0.000	< 0.100		0.422	0.400	105.5	74.4 - 138	
Spirotetramat	0.000	< 0.100		0.432	0.400	108.0	73.2 - 136	
Spiroxamine	0.000	< 0.200		0.921	0.800	115.1	70.7 - 131	
Tebuconazol	0.000	< 0.200		0.899	0.800	112.4	72.9 - 135	
Thiadoprid	0.000	< 0.100		0.448	0.400	111.9	72.4 - 134	
Thiamethoxam	0.000	< 0.100		0.427	0.400	106.7	71.9 - 134	
Trifloxystrobin	0.000	< 0.100		0.438	0.400	109.4	72.5 - 135	





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



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Laboratory Quality Control Results							Batch ID: 2 0633		
Method Blank			Laboratory Control Sample						
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	200		000	9.8	µg/g	05.5	0	30
Isobutane	ND	200		280	260	µg/g	0.6	0	30
Butane	ND	200		300	260	µg/g	03.2	0	30
2,2-Dimethylpropane	ND	200		90	600	µg/g	9	0	30
Methanol	ND	200		650	6.0	µg/g	02.5	0	30
Ethylene Oxide	ND	0		06	95	µg/g	0.8	0	30
2-Methylbutane	ND	200		680	6.0	µg/g	0.3	0	30
Pentane	ND	200		620	6.0	µg/g	00.6	0	30
Ethanol	ND	200		6.0	6.0	µg/g	0.9	0	30
Ethyl Ether	ND	200		520	6.0	µg/g	9	0	30
2,2-Dimethylbutane	ND	0			6	µg/g	89.6	0	30
Acetone	ND	200		5.0	6.0	µg/g	93.8	0	30
2-Propanol	ND	200		5.0	6.0	µg/g	9.5	0	30
Acetonitrile	ND	00		0	8	µg/g	88.8	0	30
2,3-Dimethylbutane	ND	0		8	6	µg/g	08	0	30
Dichloromethane	ND	60		69	9	µg/g	95.5	0	30
2-Methylpentane	ND	0		68	65	µg/g	0.8	0	30
3-Methylpentane	ND	0		0	2	µg/g	98.8	0	30
Hexane	ND	0		5	6	µg/g	9.0	0	30
Ethyl acetate	ND	200		90	6.0	µg/g	92.5	0	30
2-Butanol	ND	200		0	6.0	µg/g	9.3	0	30
tetrahydrofuran	ND	00		8	83	µg/g	92.8	0	30
Cyclohexane	ND	200		0	6.0	µg/g	9.3	0	30
Benzene	ND			6	5.35	µg/g	88.8	0	30
Isopropyl Acetate	ND	200		6.0	620	µg/g	99	0	30
Heptane	ND	200		0	6.0	µg/g	9.3	0	30
Dioxane	ND	00		2	89	µg/g	8.3	0	30
2-Ethoxyethanol	ND	0		6	6	µg/g	88.0	0	30
Ethylene Glycol	ND	200		0	50	µg/g	85.3	0	30
toluene	ND	200		3.6	8	µg/g	8.8	0	30
Ethyl benzene	ND	200		6	96.8	µg/g	8.9	0	30
m,p Xylene	ND	200		88	9	µg/g	80	0	30
o-Xylene	ND	200		9	98.2	µg/g	9.3	0	30
Cumene	ND	0		0	69	µg/g	6.9	0	30



12423 NE Whitaker Way  
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QC Sample Duplicate Sample ID: 21 013815 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 Methyl butane	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	
Aceton Trile	ND	ND	00	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 Methyl pentane	ND	ND	30	µg/g	0.0	20	Acceptable	
3 Methyl pentane	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	00	µg/g	0.0	20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	20	Acceptable	
Benzene	ND	ND	10	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	
Dioxane	ND	ND	00	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	
Ethyl benzene	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

**Units of Measure:**

µg/g Microgram per gram or ppm



12423 NE Whitaker Way  
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Revision Document D  
 Legacy D Effective

**Terpenes Quality Control Results**

Method Reference EPA 5035				Batch ID 2 0777					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits	Notes
a-pinene	< OQ	< 200		373	500	µg/g	75%	70 - 30	
Camphene	< OQ	< 200		357	500	µg/g	71%	70 - 30	
Sabinene	< OQ	< 200		378	500	µg/g	76%	70 - 30	
b-Pinene	< OQ	< 200		472	500	µg/g	94%	70 - 30	
b-Myrcene	< OQ	< 200		383	500	µg/g	77%	70 - 30	
a-phellandrene	< OQ	< 200		36	500	µg/g	72%	70 - 30	
d-3-Carene	< OQ	< 200		382	500	µg/g	76%	70 - 30	
a-Terpinene	< OQ	< 200		399	500	µg/g	80%	70 - 30	
p-Cymene	< OQ	< 200		364	500	µg/g	73%	70 - 30	
D-imonene	< OQ	< 200		37	500	µg/g	74%	70 - 30	
α-calyptol	< OQ	< 200		363	500	µg/g	73%	70 - 30	
b-cis-Ocimene	< OQ	< 67		40	67	µg/g	84%	70 - 30	
b-trans-Ocimene	< OQ	< 33		258	333	µg/g	77%	70 - 30	
g-Terpinene	< OQ	< 200		40	500	µg/g	80%	70 - 30	
Sabinene Hydrate	< OQ	< 200		406	500	µg/g	81%	70 - 30	
Terpinolene	< OQ	< 200		386	500	µg/g	77%	70 - 30	
D-enchone	< OQ	< 200		380	500	µg/g	76%	70 - 30	
α-inalool	< OQ	< 200		47	500	µg/g	83%	70 - 30	
α-enchol	< OQ	< 200		409	500	µg/g	82%	70 - 30	
Camphor	< OQ	< 200		367	500	µg/g	73%	70 - 30	
α-pulego	< OQ	< 200		36	500	µg/g	72%	70 - 30	
α-soborneol	< OQ	< 200		373	500	µg/g	75%	70 - 30	
Borneol	< OQ	< 200		435	500	µg/g	87%	70 - 30	
D-Menthol	< OQ	< 200		366	500	µg/g	73%	70 - 30	
Terpineol	< OQ	< 200		42	500	µg/g	82%	70 - 30	
Nerol	< OQ	< 200		388	500	µg/g	78%	70 - 30	
Pulegone	< OQ	< 200		464	500	µg/g	93%	70 - 30	
Geraniol	< OQ	< 200		432	500	µg/g	86%	70 - 30	
Geranyl Acetate	< OQ	< 200		37	500	µg/g	74%	70 - 30	
α-Cedrene	< OQ	< 200		43	500	µg/g	83%	70 - 30	
b-Caryophyllene	< OQ	< 200		4	500	µg/g	82%	70 - 30	
α-Humulene	< OQ	< 200		439	500	µg/g	88%	70 - 30	
Valenene	< OQ	< 200		359	500	µg/g	72%	70 - 30	
cis-Nerolidol	< OQ	< 200		395	500	µg/g	79%	70 - 30	
α-arnesene	< OQ	< 200		400	500	µg/g	80%	70 - 30	
trans-Nerolidol	< OQ	< 200		457	500	µg/g	91%	70 - 30	
Caryophyllene Oxide	< OQ	< 200		359	500	µg/g	72%	70 - 30	
Guaiol	< OQ	< 200		480	500	µg/g	96%	70 - 30	
Cedrol	< OQ	< 200		47	500	µg/g	83%	70 - 30	
α-Bisabolol	< OQ	< 200		430	500	µg/g	86%	70 - 30	

Definitions

LOQ	Limit of Quantitation
LCS	Laboratory Control Sample
% REC	Percent Recovery



12423 NE Whitaker Way  
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Revision Document D  
 Legacy D Effective

**Terpenes Quality Control Results**

Method Reference EPA 5035		Batch ID 2 0777					
Sample/Sample Duplicate		Sample ID 21-013737-0001					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	< OQ	< OQ	98	µg/g	0%	< 20	
Camphene	< OQ	< OQ	98	µg/g	0%	< 20	
Sabinene	< OQ	< OQ	98	µg/g	0%	< 20	
b-Pinene	< OQ	< OQ	98	µg/g	0%	< 20	
b-Myrcene	< OQ	< OQ	98	µg/g	0%	< 20	
a-phellandrene	< OQ	< OQ	98	µg/g	0%	< 20	
d-3-Carene	< OQ	< OQ	98	µg/g	0%	< 20	
a-Terpinene	43	4	98	µg/g	5%	< 20	
p-Cymene	< OQ	< OQ	98	µg/g	0%	< 20	
D- imonene	< OQ	< OQ	98	µg/g	0%	< 20	
linalyl ol	263	263	98	µg/g	0%	< 20	
b-cis-Ocimene	< OQ	< OQ	65.9	µg/g	0%	< 20	
b- trans-Ocimene	< OQ	< OQ	32	µg/g	0%	< 20	
g-Terpinene	662	64	98	µg/g	3%	< 20	
Sabinene Hydra e	< OQ	< OQ	98	µg/g	0%	< 20	
Terpinolene	< OQ	< OQ	98	µg/g	0%	< 20	
D- enchone	< OQ	< OQ	98	µg/g	0%	< 20	
linalool	< OQ	< OQ	98	µg/g	0%	< 20	
enchol	< OQ	< OQ	98	µg/g	0%	< 20	
Camphor	94400	9 400	98	µg/g	3%	< 20	
sopulego	< OQ	< OQ	98	µg/g	0%	< 20	
soborneol	< OQ	< OQ	98	µg/g	0%	< 20	
Borneol	< OQ	< OQ	98	µg/g	0%	< 20	
D -Men hol	48000	43000	98	µg/g	3%	< 20	
Terpineol	< OQ	< OQ	98	µg/g	0%	< 20	
Nerol	< OQ	< OQ	98	µg/g	0%	< 20	
Pulegone	< OQ	< OQ	98	µg/g	0%	< 20	
Geraniol	< OQ	< OQ	98	µg/g	0%	< 20	
Geranyl Ace a e	< OQ	< OQ	98	µg/g	0%	< 20	
a-Cedrene	< OQ	< OQ	98	µg/g	0%	< 20	
b-Caryophyllene	969	938	98	µg/g	3%	< 20	
a-Humulene	< OQ	< OQ	98	µg/g	0%	< 20	
Valenene	< OQ	< OQ	98	µg/g	0%	< 20	
cis-Nerolidol	< OQ	< OQ	98	µg/g	0%	< 20	
a- arnesene	< OQ	< OQ	98	µg/g	0%	< 20	
trans-Nerolidol	< OQ	< OQ	98	µg/g	0%	< 20	
Caryophyllene Oxide	< OQ	< OQ	98	µg/g	0%	< 20	
Guaiol	< OQ	< OQ	98	µg/g	0%	< 20	
Cedrol	< OQ	< OQ	98	µg/g	0%	< 20	
a-Bisabolol	< OQ	< OQ	98	µg/g	0%	< 20	

Definitions

RPD Relative Percent Difference



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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.