

## CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU		TN.O.CBGCBD.FS50		BATCH #		DJ55		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					
PRODUCT NAME				Org. Tincture - F.S. CBG/CBD - 50mg						SERVING SIZE		1 mL	
LABORATORY:				Columbia Laboratories						OREGON ACCREDITATION: OR100028			
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	%									
a-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.CBGCB.D.FS50  
**Client/Metric ID:** .  
**Laboratory ID:** 21-013569-0001

### Summary

#### Potency:

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



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**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:** 21-013569-0001  
**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 = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



12423 NE Whitaker Way  
Portland, OR 97230  
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Report Number: 21-013569/D002.R000  
Report Date: 11/23/2021  
ORELAP#: OR100028  
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

Comp		Analysis Requested												Purchase Order Number:			
Cont														Project Number:			
Addr														Project Name:			
Email														<input type="checkbox"/> Report Instructions: <input type="checkbox"/> Send to State - METRC <input checked="" type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30			
Phone														Other:			
Processor's License:																	
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										kinase			Laz Nat Discount
FORM-DJ55-TN.O.CBGCBD.FS50	11/1 1422								X	X				kinase			potency first
FORM-DJ55-TN.O.CBGCBD.FS50	11/1 1422	X			X		X				X			kinase			

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>Next</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

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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 Control 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	
THCA	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	
CBGA	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	
THCA	<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	
CBGA	<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



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

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

**Laboratory Quality Control Results**

J AOAC 2015 V98-6		Batch ID: 2110535						
Sample Duplicate		Sample ID: 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	
CBD A	<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



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**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.CBGCB.D.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.CBGCBDF.S50  
**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	



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**Report Number:** 21-013569/D005.R000  
**Report Date:** 12/02/2021  
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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 = µg/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



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



Report Number: 21-013569/D005.R000  
Report Date: 12/02/2021  
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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										kinase			Laz Nat Discount
FORM-DJ55-TN.O.CBGCBD.FS50	11/1	1422								X	X				kinase			potency first
FORM-DJ55-TN.O.CBGCBD.FS50	11/1	1422	X			X		X				X			kinase			

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

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12423 NE Whitaker Way  
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**Report Number:** 21-013569/D005.R000  
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**Purchase Order:**  
**Received:** 11/17/21 14:45

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Q1	Quality control result biased high. Only non-detect samples reported.
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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.
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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.CBGCBF.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.CBGCB.D.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							





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Portland, OR 97230  
503-254-1794

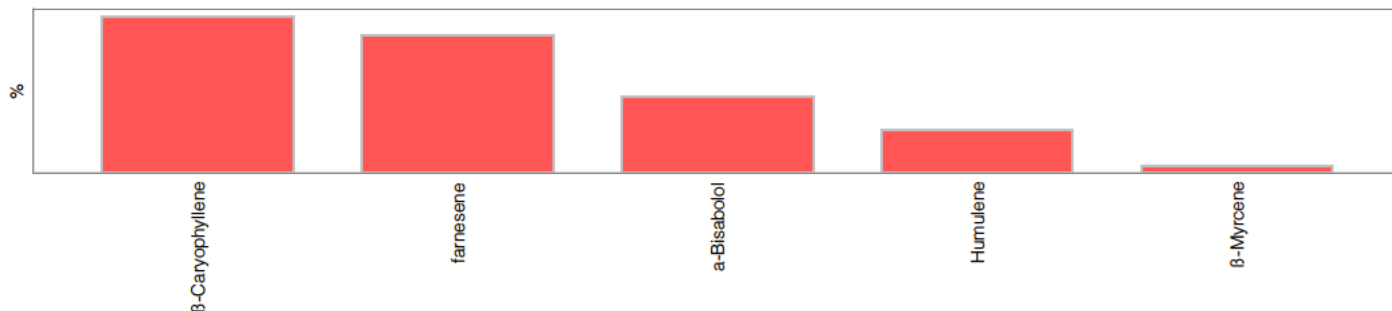


**Report Number:** 21-013569/D004.R000  
**Report Date:** 12/02/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/17/21 14:45

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		Flonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass	
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass	
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass	
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	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  
Report Date: 12/02/2021  
ORELAP#: OR100028  
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

Comp:		Analysis Requested														Purchase Order Number:		
Cont:		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	Project Number:	
Addr:																		Project Name:
Email:																<input type="checkbox"/> Report Instructions: <input type="checkbox"/> Send to State - METRC <input checked="" type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30		
Phone:																Other:		
Processor's License:																		
Field ID	Date/Time Collected																Comments/Metric ID	
FORM-DJ55-TN.O.CBGCBD.FS50	11/1 1422			X										kinase			Laz Nat Discount	
FORM-DJ55-TN.O.CBGCBD.FS50	11/1 1422								X	X				kinase			potency first	
FORM-DJ55-TN.O.CBGCBD.FS50	11/1 1422	X			X		X				X			kinase				

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>Next</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

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Page 1 of 2



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 Sample ID: 21-013427-0001										
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	0.818	0.831	1.000	1.6%	< 30	81.8%	83.1%	50 - 150	
Acequinocyl	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	
Flonicamid	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	
Metaxalyl	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	





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				
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	
Acequinocyl	0.000	< 1.000		4.674	4.000	116.9	72.7 - 135	
Acetamiprid	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	
Chlorfenvapir	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	
Flonicamid	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	
Imazalil	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	
Metaxalyl	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									
Residual Solvents				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	250	µg/g	0.6	0	30
Butane	ND	200		300	250	µg/g	03.2	0	30
2,2-Dimethylpropane	ND	200		90	600	µg/g	9.0	0	30
Methanol	ND	200		650	6.0	µg/g	02.5	0	30
Ethyl ene Oxide	ND	0		06	95	µg/g	0.8	0	30
2-Methyl butane	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	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
Aceton trile	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-Methyl pentane	ND	0		68	65	µg/g	0.8	0	30
3-Methyl pentane	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	0		6	5.36	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	µg/g		88.0	0	30
Ethyl ene Glycol	ND	200		0	50	µg/g	85.3	0	30
oluene	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



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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	
Ethyl ene 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 Nitrile	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	
Ethyl ene 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





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Revision Document D  
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### 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	
ucalyptol	< 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	
inalool	< OQ	< 200		47	500	µg/g	83%	70 - 30	
enchol	< OQ	< 200		409	500	µg/g	82%	70 - 30	
Camphor	< OQ	< 200		367	500	µg/g	73%	70 - 30	
sopulego	< OQ	< 200		36	500	µg/g	72%	70 - 30	
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	
Gereniol	< OQ	< 200		432	500	µg/g	86%	70 - 30	
Geranyl Acetate	< OQ	< 200		37	500	µg/g	74%	70 - 30	
a-Cedrene	< OQ	< 200		43	500	µg/g	83%	70 - 30	
b-Caryophyllene	< OQ	< 200		4	500	µg/g	82%	70 - 30	
a-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-bisabolene	< 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



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503-254-1794



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### 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	
rans-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.