

## CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

<b>BULK SKU</b> SG50	<b>BATCH #</b> EC03	<b>LOQ:</b> Limit Of Quantitation <b>LOD:</b> 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
<b>PRODUCT NAME</b> CBD Softgels - 50 mg	<b>SERVING SIZE</b> 1 softgel (~0.4g)	
<b>LABORATORY:</b> Columbia Laboratories	<b>OREGON ACCREDITATION:</b> OR100028	

POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	56.00 mg/serving	140.00 mg/g	1.40 %
Total THC (d9-THC, THCA)	0.61 mg/serving	1.53 mg/g	0.15 %
Cannabigerol (CBG)	0.20 mg/serving	0.51 mg/g	0.05 %
Cannabinol (CBN)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Cannabichromene (CBC)	0.75 mg/serving	1.88 mg/g	0.19 %
Tetrahydrocannabinolic Acid (THCA)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Delta-9-THC (d9-THC)	0.61 mg/serving	1.53 mg/g	0.15 %
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	50,000 mg/day
Heptane	<LOQ	50,000 mg/day
None of the 34 residual solvents tested found above limit of quantitation in the sample.		

MICROBIAL	PASS/FAIL
Yeast & Mold	Pass
Coliform	Pass

TERPENES	% OF SAMPLE
Farnesene	<LOQ %
β-Caryophyllene	1.99 %
α-Bisabolol	<LOQ %
Guaiol	<LOQ %
Humulene	<LOQ %
Caryophyllene Oxide	0.0235 %



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:** 22-003397/D002.R000  
**Report Date:** 03/30/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/24/22 14:48

**Customer:** Etz Hayim Holdings  
**Product identity:** FORM-EC03-SG50  
**Client/Metric ID:** .  
**Laboratory ID:** 22-003397-0001

### Summary

**Potency:**

Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g <sup>†</sup>	1.88		mg/1g		CBD Total per 1g 140 mg/1g
CBD per 1g	140		mg/1g		
CBDV per 1g <sup>†</sup>	0.381		mg/1g		THC-Total per 1g 1.53 mg/1g
CBG per 1g <sup>†</sup>	0.510		mg/1g		
CBT per 1g <sup>†</sup>	0.509		mg/1g		(Reported in milligrams per serving)
Δ9 THC per 1g	1.53		mg/1g		



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**Purchase Order:**  
**Received:** 03/24/22 14:48

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

**Product identity:** FORM-EC03-SG50

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 22-003397-0001

**Evidence of Cooling:** No

**Temp:** 21.7 °C

**Relinquished by:** Client

**Serving Size #1:** 1 g

**Density:** 0.9240 g/ml

### Sample Results

Potency per 1g					
Method J AOAC 2015 V98-6 (mod)Units mg/se Batch: 2202664 Analyze: 3/28/22 11:09:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g <sup>†</sup>	1.88		mg/1g	0.0324	
CBC-A per 1g <sup>†</sup>	< LOQ		mg/1g	0.0299	
CBC-Total per 1g <sup>†</sup>	1.88		mg/1g	0.0608	
CBD per 1g	140		mg/1g	3.24	
CBD-A per 1g	< LOQ		mg/1g	0.0299	
CBD-Total per 1g	140		mg/1g	3.27	
CBDV per 1g <sup>†</sup>	0.381		mg/1g	0.0324	
CBDV-A per 1g <sup>†</sup>	< LOQ		mg/1g	0.0299	
CBDV-Total per 1g <sup>†</sup>	0.381		mg/1g	0.0605	
CBE per 1g <sup>†</sup>	< LOQ		mg/1g	0.0299	
CBG per 1g <sup>†</sup>	0.510		mg/1g	0.0324	
CBG-A per 1g <sup>†</sup>	< LOQ		mg/1g	0.0299	
CBG-Total per 1g <sup>†</sup>	0.510		mg/1g	0.0605	
CBL per 1g <sup>†</sup>	< LOQ		mg/1g	0.0299	
CBL-A per 1g <sup>†</sup>	< LOQ		mg/1g	0.0299	
CBL-Total per 1g <sup>†</sup>	< LOQ		mg/1g	0.0562	
CBN per 1g	< LOQ		mg/1g	0.0299	
CBT per 1g <sup>†</sup>	0.509		mg/1g	0.0324	
Δ8-THCV per 1g <sup>†</sup>	< LOQ		mg/1g	0.0299	
Δ8-THC per 1g <sup>†</sup>	< LOQ		mg/1g	0.0299	
Δ9-THC per 1g	1.53		mg/1g	0.0324	
exo-THC per 1g <sup>†</sup>	< LOQ		mg/1g	0.0299	
THC-A per 1g	< LOQ		mg/1g	0.0299	
THC-Total per 1g	1.53		mg/1g	0.0608	
THCV per 1g <sup>†</sup>	< LOQ		mg/1g	0.0299	
THCV-A per 1g <sup>†</sup>	< LOQ		mg/1g	0.0299	
THCV-Total per 1g <sup>†</sup>	< LOQ		mg/1g	0.0562	
Total Cannabinoids per 1g	145		mg/1g		



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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 = g

mg/1g = Milligram per 1g

% = 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

		Analysis Requested											Purchase Order Number:				
													Project Number:				
													Project Name:				
													<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 Other:				
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-EL03-SG50	3/23 6:30p			X										liquid In	mg/g		Lab not Discount
Form-EL03-SG50	3/23 6:30p	X			X			X	X	X	X						potency 1st

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day) <input type="checkbox"/> Rush (3-4 day) (1.5x Standard) <input type="checkbox"/> Priority Rush (2 day) (2x Standard)							Client Alias: Order Number: Proper Container <input checked="" type="checkbox"/> Sample Condition - Temperature: 21.7 Shipped Via: Courier 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 www.pixislabs.com Page 1 of 2  
 Effective 01/31/2019 Revised 01/31/2019

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 333-007-0430



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**Purchase Order:**  
**Received:** 03/24/22 14:48



Revision: 1 Document D: 7148  
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

JAOAC2015 V98-6		Batch ID 2202664						
Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	0 0320	0 033	%	96.0	80.0 - 120	Acceptable		
CBDV	0 0419	0 033	%	126	80.0 - 120	Acceptable	q6	
CBE	0 0326	0 033	%	97.9	80.0 - 120	Acceptable		
CBD A	0 0329	0 033	%	98.8	80.0 - 120	Acceptable		
CBG A	0 0317	0 033	%	95.0	80.0 - 120	Acceptable		
CBG	0 0323	0 033	%	97.0	80.0 - 120	Acceptable		
CBD	0 0310	0 033	%	93.1	80.0 - 120	Acceptable		
THCV	0 0333	0 033	%	100.0	80.0 - 120	Acceptable		
d8THCV	0 0335	0 033	%	101	80.0 - 120	Acceptable		
THCVA	0 0313	0 033	%	93.8	80.0 - 120	Acceptable		
CBN	0 0334	0 033	%	100	80.0 - 120	Acceptable		
exo-THC	0 0311	0 033	%	93.2	80.0 - 120	Acceptable		
d9THC	0 0330	0 033	%	98.9	80.0 - 120	Acceptable		
d8THC	0 0344	0 033	%	103	80.0 - 120	Acceptable		
CBL	0 0308	0 033	%	92.3	80.0 - 120	Acceptable		
CB C	0 0348	0 033	%	105	80.0 - 120	Acceptable		
THCA	0 0311	0 033	%	93.2	80.0 - 120	Acceptable		
CBCA	0 0321	0 033	%	96.2	80.0 - 120	Acceptable		
CBLA	0 0315	0 033	%	94.5	80.0 - 120	Acceptable		
CBT	0 0335	0 033	%	100	80.0 - 120	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	
CBD A	< LOQ	0 003	%	< 0.003	Acceptable	
CBG A	< 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	
CB C	< 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



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Revision: 1 Document D: 7148  
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

JAOAC2015 V98-6		Batch ID: 2202664						
Sample Duplicate		Sample ID: 22-003103-0001-01						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LQ	<LQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0337	0.0344	0.003	%	2.01	< 20	Acceptable	
CBE	<LQ	<LQ	0.003	%	NA	< 20	Acceptable	
CBD	<LQ	<LQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LQ	<LQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0564	0.0580	0.003	%	2.80	< 20	Acceptable	
CBD	5.30	5.41	0.003	%	1.95	< 20	Acceptable	
THCV	<LQ	<LQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LQ	<LQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LQ	<LQ	0.003	%	NA	< 20	Acceptable	
CBN	0.00395	0.00394	0.003	%	0.218	< 20	Acceptable	
exo-THC	<LQ	<LQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.145	0.150	0.003	%	3.12	< 20	Acceptable	
d8THC	<LQ	<LQ	0.003	%	NA	< 20	Acceptable	
CBL	<LQ	<LQ	0.003	%	NA	< 20	Acceptable	
CBC	0.125	0.127	0.003	%	1.43	< 20	Acceptable	
THCA	<LQ	<LQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LQ	<LQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LQ	<LQ	0.003	%	NA	< 20	Acceptable	
CBT	0.204	0.209	0.003	%	2.77	< 20	Acceptable	

Abbreviations

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

Units of Measure:

%- Percent





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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.



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**Report Number:** 22-003397/D005.R000  
**Report Date:** 04/06/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/24/22 14:48

**Customer:** Etz Hayim Holdings  
**Product identity:** FORM-EC03-SG50  
**Client/Metric ID:** .  
**Laboratory ID:** 22-003397-0002

### 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
(R)-(+)-Limonene <sup>†</sup>	10.8	62.43%	β-Myrcene <sup>†</sup>	4.41	25.49%
β-Caryophyllene <sup>†</sup>	1.99	11.50%	d-3-Carene <sup>†</sup>	0.0524	0.30%
(-)-caryophyllene oxide <sup>†</sup>	0.0235	0.14%	<b>Total Terpenes<sup>†</sup></b>	<b>17.3</b>	<b>100.00%</b>

**Metals:**

*Less than LOQ for all analytes.*

**Microbiology:**

*Less than LOQ for all analytes.*



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

**Product identity:** FORM-EC03-SG50

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 22-003397-0002

**Evidence of Cooling:** No

**Temp:** 21.7 °C

**Relinquished by:** Client

### Sample Results

#### Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2202760	04/02/22	AOAC 991.14 (Petrifilm)	X, I	
Total Coliforms	< LOQ		cfu/g	10	2202760	04/02/22	AOAC 991.14 (Petrifilm)	X, I	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2202761	04/03/22	AOAC 2014.05 (RAPID)	X	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2202761	04/03/22	AOAC 2014.05 (RAPID)	X	

#### Solvents

Method Residual Solvents by GC/MS      Units µg/g      Batch 2202857      Analyze 04/04/22 10:56 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-Dimethyl butane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200		
2,3-Dimethyl butane	< 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>l</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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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2202924 Analyze 04/05/22 02:43 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		Paclotrazole	< 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							

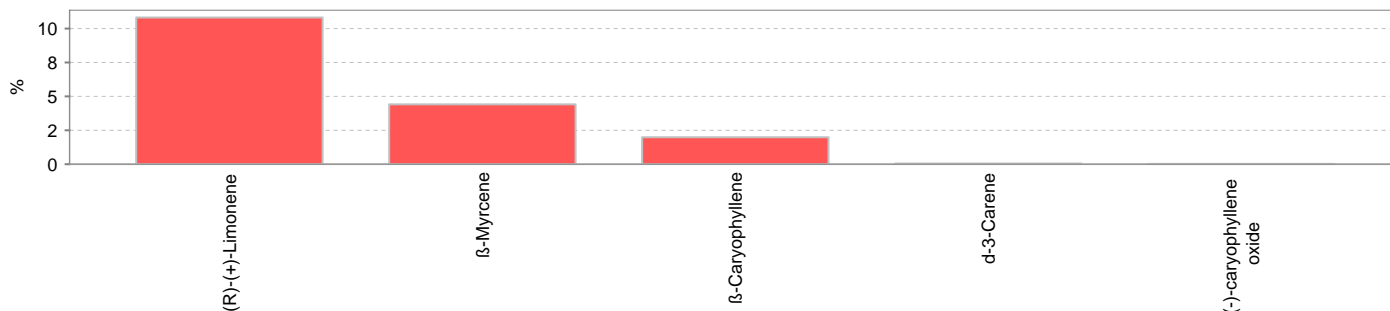


12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794

**Report Number:** 22-003397/D005.R000  
**Report Date:** 04/06/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/24/22 14:48



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2202887	Analyze 04/05/22 03:19 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(R)-(+)-Limonene <sup>†</sup>	10.8	0.183	62.43%		β-Myrcene <sup>†</sup>	4.41	0.183	25.49%	
β-Caryophyllene <sup>†</sup>	1.99	0.018	11.50%		Humulene <sup>†</sup>	< LOQ	0.183	0.00%	
Sabinene <sup>†</sup>	< LOQ	0.183	0.00%		Geranyl acetate <sup>†</sup>	< LOQ	0.183	0.00%	
d-3-Carene <sup>†</sup>	0.0524	0.018	0.3029%		(-)-β-Pinene <sup>†</sup>	< LOQ	0.183	0.00%	
(-)-caryophyllene oxide <sup>†</sup>	0.0235	0.018	0.1358%		(±)-trans-Nerolidol <sup>†</sup>	< LOQ	0.183	0.00%	
a-Bisabolol <sup>†</sup>	< LOQ	0.018	0.00%		a-Terpinene <sup>†</sup>	< LOQ	0.018	0.00%	
(+)-Cedrol <sup>†</sup>	< LOQ	0.183	0.00%		nerol <sup>†</sup>	< LOQ	0.018	0.00%	
gamma-Terpinene <sup>†</sup>	< LOQ	0.018	0.00%		Geraniol <sup>†</sup>	< LOQ	0.018	0.00%	
(-)-Guaiol <sup>†</sup>	< LOQ	0.183	0.00%		(-)-Isopulegol <sup>†</sup>	< LOQ	0.018	0.00%	
(+)-fenchol <sup>†</sup>	< LOQ	0.018	0.00%		farnesene <sup>†</sup>	< LOQ	0.018	0.00%	
(-)-a-Terpineol <sup>†</sup>	< LOQ	0.183	0.00%		(+)-Borneol <sup>†</sup>	< LOQ	0.018	0.00%	
(+)-Pulegone <sup>†</sup>	< LOQ	0.183	0.00%		(±)-Camphor <sup>†</sup>	< LOQ	0.183	0.00%	
(±)-cis-Nerolidol <sup>†</sup>	< LOQ	0.018	0.00%		(±)-fenchone <sup>†</sup>	< LOQ	0.183	0.00%	
a-cedrene <sup>†</sup>	< LOQ	0.183	0.00%		a-phellandrene <sup>†</sup>	< LOQ	0.018	0.00%	
a-pinene <sup>†</sup>	< LOQ	0.018	0.00%		Camphene <sup>†</sup>	< LOQ	0.183	0.00%	
cis-β-Ocimene <sup>†</sup>	< LOQ	0.060	0.00%		Eucalyptol <sup>†</sup>	< LOQ	0.018	0.00%	
Isoborneol <sup>†</sup>	< LOQ	0.183	0.00%		Linalool <sup>†</sup>	< LOQ	0.183	0.00%	
Menthol <sup>†</sup>	< LOQ	0.183	0.00%		p-Cymene <sup>†</sup>	< LOQ	0.183	0.00%	
Sabinene hydrate <sup>†</sup>	< LOQ	0.183	0.00%		Terpinolene <sup>†</sup>	< LOQ	0.183	0.00%	
trans-β-Ocimene <sup>†</sup>	< LOQ	0.012	0.00%		valencene <sup>†</sup>	< LOQ	0.018	0.00%	
<b>Total Terpenes</b>	<b>17.3</b>								



Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.0906	2202881	04/04/22	AOAC 2013.06 (mod.)	pass	X
Cadmium	< LOQ	0.200	mg/kg	0.0906	2202881	04/04/22	AOAC 2013.06 (mod.)	pass	X
Lead	< LOQ	0.500	mg/kg	0.0906	2202881	04/04/22	AOAC 2013.06 (mod.)	pass	X
Mercury	< LOQ	0.100	mg/kg	0.0453	2202881	04/04/22	AOAC 2013.06 (mod.)	pass	X



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



**Report Number:** 22-003397/D005.R000  
**Report Date:** 04/06/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/24/22 14:48

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**

cfu/g = Colony forming units per gram

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**

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:** 22-003397/D005.R000  
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**Received:** 03/24/22 14:48



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-EC03-SG50		3/23 6:30p			X										liquid In	mg/g		Laz vat Discount
Form-EC03-SG50		3/23 6:30p	X			X			X	X	X	X						potency 1st

Purchase Order Number:  
Project Number:  
Project Name:  
 Report Instructions:  
 Send to State - METRC  
 Email Final Results:  
 Fax Final Results  
 Cash/Check/CC/Net 30  
Other:

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 <input checked="" type="checkbox"/>
							Sample Condition <input checked="" type="checkbox"/>
							Temperature: 21.7
							Shipped Via: Courier
							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

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 333-007-0390 OAR 333-007-0400 OAR 333-007-0410



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



**Report Number:** 22-003397/D005.R000  
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**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/24/22 14:48

Revision Document ID  
 Legacy ID Effective

Laboratory Quality Control Results									
Residual Solvents									
Batch ID: 2202857									
Method Blank					Laboratory Control Sample				
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	200		560	5.2	µg/g	9.9	60	20
Isobutane	ND	200			3	µg/g	98	60	20
Butane	ND	200		0	3	µg/g	99.9	60	20
2,2-Dimethylpropane	ND	200		950	936	µg/g	0.5	60	20
Methanol	ND	200		5.0	620	µg/g	9	60	20
Ethylene Oxide	ND	0		56.2	56.2	µg/g	0.0	0	20
2-Methylbutane	ND	200		5.0	620	µg/g	9	60	20
Pentane	ND	200		80	6.0	µg/g	9.9	60	20
Ethanol	ND	200		5.0	630	µg/g	92.6	0	30
Ethyl Ether	ND	200		0	620	µg/g	88.9	60	20
2,2-Dimethylbutane	ND	0		56		µg/g	89	60	20
Acetone	ND	200		380	650	µg/g	83.6	60	20
2-Propanol	ND	200		0	6.0	µg/g	8.6	60	20
Ethyl Formate	ND	500		0	600	µg/g	8.5	0	30
Acetonitrile	ND	0			96	µg/g	89.8	60	20
Methyl Acetate	ND	500		20	6.0	µg/g	88.2	0	30
2,3-Dimethylbutane	ND	0		55	6	µg/g	88	60	20
Dichloromethane	ND	60		2	5.0	µg/g	92.5	60	20
2-Methylpentane	ND	0		66	6	µg/g	9.3	60	20
n-Hexane	ND	500		0	600	µg/g	88	0	30
3-Methylpentane	ND	0		8	5	µg/g	8.6	60	20
Hexane	ND	0		63		µg/g	92	60	20
Propanol	ND	500		500	6.0	µg/g	93.2	0	30
Methylcyclohexane	ND	500		60	600	µg/g	9.3	0	30
Ethyl acetate	ND	200		90	630	µg/g	9	60	20
2-Butanol	ND	200		0	620	µg/g	8.0	60	20
Tetrahydrofuran	ND	0		35	500	µg/g	8.0	60	20
Cyclohexane	ND	200		60	620	µg/g	90	60	20
2-methyl propanol	ND	500		300	620	µg/g	80.2	0	30
Benzene	ND			68	5.32	µg/g	88.0	60	20
Isopropyl Acetate	ND	200		500	620	µg/g	92.6	60	20
Heptane	ND	200		90	0	µg/g	8.2	60	20
Butanol	ND	500		2.0	600	µg/g	5.0	0	30
Propyl Acetate	ND	500		5.0	600	µg/g	98	0	30
Dioxane	ND	0		2	50	µg/g	8	60	20
2-Ethoxyethanol	ND	0			8	µg/g	9.5	60	20
Methylisobutylketone	ND	500		50	6.0	µg/g	90	0	30
3-Methyl butanol	ND	500		2.0	6.0	µg/g	8.9	0	30
Ethylene Glycol	ND	200		0	9	µg/g	8.0	60	20
Octane	ND	200			9	µg/g	90	60	20
Isobutyl Acetate	ND	500		580	600	µg/g	98.8	0	30
Pentanol	ND	500		580	6.0	µg/g	98	0	30
Butyl Acetate	ND	500		5.0	6.0	µg/g	95.0	0	30
Ethyl benzene	ND	200		8.3	9.3	µg/g	89	60	20
m,p-Xylene	ND	200		865	595	µg/g	86.9	60	20
o-Xylene	ND	200		89	9.3	µg/g	92.2	60	20
Cumene	ND	0		38	0	µg/g	8.2	60	20
Anisole	ND	500		320	6.0	µg/g	82.0	0	30
DMSO	ND	500		560	630	µg/g	95	0	30
2-dimethoxyethane	ND	50		50	6	µg/g	9.5	0	30
Diethylamine	ND	500		350	600	µg/g	8	0	30
N,N-dimethylformamide	ND	50		399	9	µg/g	80.3	0	30
N,N-dimethylacetamide	ND	50			98	µg/g	95.2	0	30
Pyridine	ND	50		2	80	µg/g	95.6	0	30
1,2-Dichloroethane	ND					µg/g	0	0	30
Chloroform	ND			09		µg/g	09.0	0	30
Trichloroethylene	ND			03		µg/g	03.0	0	30





Revision Document ID  
Legacy ID Effective

QC Sample Duplicate		Sample ID: 22 003580 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 Dioxide	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	
Ethyl Formate	ND	ND	500	µg/g	0.0	20	Acceptable	
Aceton Nitrile	ND	ND	60	µg/g	0.0	20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	20	Acceptable	
2,3 Dimethylbutane	ND	ND	30	µg/g	0.0	20	Acceptable	
Dichloromethane	ND	ND	60	µg/g	0.0	20	Acceptable	
2 Methyl pentane	ND	ND	30	µg/g	0.0	20	Acceptable	
Mt SE	ND	ND	500	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	
Propanol	ND	ND	500	µg/g	0.0	20	Acceptable	
Methylethylketone	ND	ND	500	µg/g	0.0	20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	20	Acceptable	
2 Butanol	ND	ND	200	µg/g	0.0	20	Acceptable	
tetrahydrofuran	ND	ND	60	µg/g	0.0	20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	20	Acceptable	
2 methyl propanol	ND	ND	500	µg/g	0.0	20	Acceptable	
Benzene	ND	ND	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	
Butanol	ND	ND	500	µg/g	0.0	20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	20	Acceptable	
Dioxane	ND	ND	60	µg/g	0.0	20	Acceptable	
2 Ethoxyethanol	ND	ND	30	µg/g	0.0	20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	20	Acceptable	
3 Methyl butanol	ND	ND	500	µg/g	0.0	20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	20	Acceptable	
okane	ND	ND	200	µg/g	0.0	20	Acceptable	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	20	Acceptable	
Pentanol	ND	ND	500	µg/g	0.0	20	Acceptable	
Butyl Acetate	ND	ND	500	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	
Anisole	ND	ND	500	µg/g	0.0	20	Acceptable	
DMSO	ND	ND	500	µg/g	0.0	20	Acceptable	
2 dimethoxyethane	ND	ND	50	µg/g	0.0	20	Acceptable	
riethylamine	ND	ND	500	µg/g	0.0	20	Acceptable	
N N d methylformam de	ND	ND	50	µg/g	0.0	20	Acceptable	
N N d methylacetamide	ND	ND	50	µg/g	0.0	20	Acceptable	
Pyrid ne	ND	ND	50	µg/g	0.0	20	Acceptable	
2 Dichloroethane	ND	ND	µg/g	0.0	20	Acceptable		
Chloroform	ND	ND	µg/g	0.0	20	Acceptable		
dichloroethylene	ND	ND	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  
Portland, OR 97230  
503-254-1794



**Report Number:** 22-003397/D005.R000  
**Report Date:** 04/06/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/24/22 14:48

Revision 1 Document D 7086  
Legacy D CFL-E57Worksheet Validated 11/04/2020

**Terpenes Quality Control Results**

Method Reference EPA 5035				Batch ID 2202887					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits	Notes
a-pinene	< OQ	< 200		497	500	µg/g	99%	70 - 30	
Camphene	< OQ	< 200		49	500	µg/g	98%	70 - 30	
Sabinene	< OQ	< 200		496	500	µg/g	99%	70 - 30	
b-Pinene	< OQ	< 200		482	500	µg/g	96%	70 - 30	
b-Myrcene	< OQ	< 200		492	500	µg/g	98%	70 - 30	
a-phellandrene	< OQ	< 200		40	500	µg/g	80%	70 - 30	
d-3-Carene	< OQ	< 200		547	500	µg/g	109%	70 - 30	
a-Terpinene	< OQ	< 200		449	500	µg/g	90%	70 - 30	
p-Cymene	< OQ	< 200		487	500	µg/g	97%	70 - 30	
D-imonene	< OQ	< 200		45	500	µg/g	90%	70 - 30	
α-caryophyllol	< OQ	< 200		466	500	µg/g	93%	70 - 30	
b-cis-Ocimene	< OQ	< 67		49	67	µg/g	90%	70 - 30	
b-trans-Ocimene	< OQ	< 33		279	333	µg/g	84%	70 - 30	
g-Terpinene	< OQ	< 200		4	500	µg/g	82%	70 - 30	
Sabinene hydrate	< OQ	< 200		454	500	µg/g	91%	70 - 30	
Terpinolene	< OQ	< 200		443	500	µg/g	89%	70 - 30	
D-enchone	< OQ	< 200		433	500	µg/g	87%	70 - 30	
α-inalool	< OQ	< 200		446	500	µg/g	89%	70 - 30	
α-enchol	< OQ	< 200		467	500	µg/g	93%	70 - 30	
Camphor	< OQ	< 200		482	500	µg/g	96%	70 - 30	
α-sopulego	< OQ	< 200		485	500	µg/g	97%	70 - 30	
soborneol	< OQ	< 200		48	500	µg/g	96%	70 - 30	
Borneol	< OQ	< 200		474	500	µg/g	95%	70 - 30	
D-Menthol	< OQ	< 200		489	500	µg/g	98%	70 - 30	
Terpineol	< OQ	< 200		404	500	µg/g	81%	70 - 30	
Nerol	< OQ	< 200		429	500	µg/g	86%	70 - 30	
Pulegone	< OQ	< 200		476	500	µg/g	95%	70 - 30	
Geraniol	< OQ	< 200		377	500	µg/g	75%	70 - 30	
Geranyl acetate	< OQ	< 200		496	500	µg/g	99%	70 - 30	
α-Cedrene	< OQ	< 200		49	500	µg/g	98%	70 - 30	
b-Caryophyllene	< OQ	< 200		500	500	µg/g	100%	70 - 30	
α-Humulene	< OQ	< 200		483	500	µg/g	97%	70 - 30	
Valenene	< OQ	< 200		495	500	µg/g	99%	70 - 30	
cis-Nerolidol	< OQ	< 200		503	500	µg/g	101%	70 - 30	
α-arnesene	< OQ	< 200		564	500	µg/g	113%	70 - 30	
trans-Nerolidol	< OQ	< 200		55	500	µg/g	103%	70 - 30	
Caryophyllene Oxide	< OQ	< 200		498	500	µg/g	100%	70 - 30	
Guaiol	< OQ	< 200		529	500	µg/g	106%	70 - 30	
Cedrol	< OQ	< 200		53	500	µg/g	103%	70 - 30	
α-Bisabolol	< OQ	< 200		55	500	µg/g	103%	70 - 30	

Definitions

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



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



**Report Number:** 22-003397/D005.R000  
**Report Date:** 04/06/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/24/22 14:48

Revision 1 Document D 7086  
 Legacy D CFL-E57Worksheet Validated 11/04/2020

**Terpenes Quality Control Results**

Method Reference EPA 5035		Batch ID 2202887					
Sample/Sample Duplicate		Sample ID 22-003397-0002					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	< OQ	< OQ	83	µg/g	0%	< 20	
Camphene	< OQ	< OQ	83	µg/g	0%	< 20	
Sabinene	< OQ	< OQ	83	µg/g	0%	< 20	
b-Pinene	< OQ	< OQ	83	µg/g	0%	< 20	
b-Myrcene	46600	44 00	83	µg/g	6%	< 20	
a-phellandrene	< OQ	< OQ	83	µg/g	0%	< 20	
d-3-Carene	523	524	83	µg/g	0%	< 20	
a-Terpinene	< OQ	< OQ	83	µg/g	0%	< 20	
p-Cymene	< OQ	< OQ	83	µg/g	0%	< 20	
D-imonene	0000	08000	83	µg/g	2%	< 20	
α-caryophyllol	< OQ	< OQ	83	µg/g	0%	< 20	
b-cis-Ocimene	< OQ	< OQ	60.9	µg/g	0%	< 20	
b-trans-Ocimene	< OQ	< OQ	22	µg/g	0%	< 20	
g-Terpinene	< OQ	< OQ	83	µg/g	0%	< 20	
Sabinene hydrate	< OQ	< OQ	83	µg/g	0%	< 20	
Terpinolene	< OQ	< OQ	83	µg/g	0%	< 20	
D-enchone	< OQ	< OQ	83	µg/g	0%	< 20	
α-inalool	< OQ	< OQ	83	µg/g	0%	< 20	
α-enchol	< OQ	< OQ	83	µg/g	0%	< 20	
Camphor	< OQ	< OQ	83	µg/g	0%	< 20	
α-sobolego	< OQ	< OQ	83	µg/g	0%	< 20	
α-soborneol	< OQ	< OQ	83	µg/g	0%	< 20	
Borneol	< OQ	< OQ	83	µg/g	0%	< 20	
D-Menthol	< OQ	< OQ	83	µg/g	0%	< 20	
Terpineol	< OQ	< OQ	83	µg/g	0%	< 20	
Nerol	< OQ	< OQ	83	µg/g	0%	< 20	
Pulegone	< OQ	< OQ	83	µg/g	0%	< 20	
Geraniol	< OQ	< OQ	83	µg/g	0%	< 20	
Geranyl acetate	< OQ	< OQ	83	µg/g	0%	< 20	
α-Cedrene	< OQ	< OQ	83	µg/g	0%	< 20	
b-Caryophyllene	9900	9900	83	µg/g	0%	< 20	
α-Humulene	420	4 0	83	µg/g	1%	< 20	
Valenene	< OQ	< OQ	83	µg/g	0%	< 20	
cis-Nerolidol	< OQ	< OQ	83	µg/g	0%	< 20	
α-arnesene	< OQ	< OQ	83	µg/g	0%	< 20	
trans-Nerolidol	< OQ	< OQ	83	µg/g	0%	< 20	
Caryophyllene Oxide	228	235	83	µg/g	3%	< 20	
Guaiol	< OQ	< OQ	83	µg/g	0%	< 20	
Cedrol	< OQ	< OQ	83	µg/g	0%	< 20	
α-Bisabolol	< OQ	< OQ	83	µg/g	0%	< 20	

Definitions

RPD Relative Percent Difference



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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 2202924				
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		1.889	1.000	188.9	50.0 150	Q6
Acephate	0.000	< 0.250		1.017	1.000	101.7	60.0 120	
Acetaminocyl	0.000	< 1.000		4.263	4.000	106.6	40.0 160	
Acetamiprid	0.000	< 0.100		0.395	0.400	98.8	60.0 120	
Aldicarb	0.000	< 0.200		0.779	0.800	97.4	60.0 120	
Azoxystrobin	0.000	< 0.100		0.385	0.400	96.3	60.0 120	
Bifenazate	0.000	< 0.100		0.387	0.400	96.7	60.0 120	
Bifenthrin	0.000	< 0.100		0.414	0.400	103.5	50.0 150	
Boscalid	0.000	< 0.200		0.841	0.800	105.2	60.0 120	
Carbaryl	0.000	< 0.100		0.397	0.400	99.4	60.0 120	
Carbofuran	0.000	< 0.100		0.391	0.400	97.6	60.0 120	
Chlorantraniliprole	0.000	< 0.100		0.384	0.400	95.9	60.0 120	
Chlorfenapyr	0.000	< 0.500		2.217	2.000	110.8	60.0 120	
Chlorpyrifos	0.000	< 0.100		0.404	0.400	101.1	60.0 120	
Clofentazine	0.000	< 0.100		0.400	0.400	100.0	60.0 120	
Cyfluthrin	0.000	< 0.500		1.642	2.000	82.1	50.0 150	
Cypermethrin	0.000	< 0.500		1.997	2.000	99.8	50.0 150	
Daminozide	0.000	< 0.500		2.435	2.000	121.8	60.0 120	Q6
Diazinon	0.000	< 0.100		0.404	0.400	100.9	60.0 120	
Dichlorvos	0.000	< 0.500		2.057	2.000	102.8	60.0 120	
Dimethoate	0.000	< 0.100		0.404	0.400	101.0	60.0 120	
Ethoprophos	0.000	< 0.100		0.403	0.400	100.8	60.0 120	
Etofenprox	0.000	< 0.200		0.819	0.800	102.4	50.0 150	
Etoxazole	0.000	< 0.100		0.412	0.400	102.9	60.0 120	
Fenoxycarb	0.000	< 0.100		0.393	0.400	98.2	60.0 120	
Fenpyroximate	0.000	< 0.200		0.796	0.800	99.6	60.0 120	
Fipronil	0.000	< 0.200		0.787	0.800	98.4	60.0 120	
Fonicamid	0.000	< 0.250		1.065	1.000	106.5	60.0 120	
Fludioxonil	0.000	< 0.200		0.794	0.800	99.3	50.0 150	
Hexythiazox	0.000	< 0.250		1.027	1.000	102.7	60.0 120	
Imazalil	0.000	< 0.100		0.395	0.400	98.8	60.0 120	
Imidacloprid	0.000	< 0.200		0.784	0.800	98.0	60.0 120	
Kresoxim methyl	0.000	< 0.200		0.840	0.800	105.1	60.0 120	
Malathion	0.000	< 0.100		0.403	0.400	100.6	60.0 120	
Metaxalyl	0.000	< 0.100		0.395	0.400	98.8	60.0 120	
Methiocarb	0.000	< 0.100		0.385	0.400	96.3	60.0 120	
Methomyl	0.000	< 0.200		0.728	0.800	90.9	60.0 120	
MGK 264	0.000	< 0.100		0.401	0.400	100.2	50.0 150	
Myclobutanil	0.000	< 0.100		0.394	0.400	98.4	60.0 120	
Naled	0.000	< 0.250		0.976	1.000	97.6	50.0 150	
Oxamyl	0.000	< 0.500		1.994	2.000	99.7	60.0 120	
Paclobotrazole	0.000	< 0.200		0.782	0.800	97.8	60.0 120	
Parathion Methyl	0.000	< 0.200		0.893	0.800	111.6	50.0 150	
Permethrin	0.000	< 0.100		0.401	0.400	100.2	50.0 150	
Phosmet	0.000	< 0.100		0.396	0.400	99.0	50.0 150	
Piperonyl butoxide	0.000	< 0.500		2.376	2.000	118.8	60.0 120	
Prallethrin	0.000	< 0.100		0.411	0.400	102.8	60.0 120	
Propiconazole	0.000	< 0.200		0.819	0.800	102.3	60.0 120	
Propoxur	0.000	< 0.100		0.397	0.400	99.3	60.0 120	
Pyrethrin (Summe)	0.000	< 0.100		0.418	0.413	101.1	60.0 120	
Pyridaben	0.000	< 0.100		0.409	0.400	102.3	50.0 150	
Spirosad	0.000	< 0.100		0.409	0.388	105.4	50.0 150	
Spiromesifen	0.000	< 0.100		0.422	0.400	105.4	60.0 120	
Spirotetramat	0.000	< 0.100		0.404	0.400	101.1	60.0 120	
Spiroxamine	0.000	< 0.200		0.806	0.800	100.8	60.0 120	
ebuconazole	0.000	< 0.200		0.801	0.800	100.1	60.0 120	
hiacloprid	0.000	< 0.100		0.395	0.400	98.8	60.0 120	
hiamethoxam	0.000	< 0.100		0.424	0.400	105.9	60.0 120	
rifloxystrobin	0.000	< 0.100		0.402	0.400	100.4	60.0 120	



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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg				Batch ID: 2202924					
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 22-003658-0001									
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes	
Abamectin	0.000	2.116	2.090	1.000	1.2%	< 30	211.6%	209.0%	50 150	Q	
Acephate	0.000	1.001	0.986	1.000	1.5%	< 30	100.1%	98.6%	50 150		
Acetaminocyl	0.000	5.131	4.659	4.000	9.6%	< 30	128.3%	116.5%	50 150		
Acetamiprid	0.000	0.388	0.391	0.400	0.7%	< 30	97.0%	97.7%	50 150		
Aldicarb	0.000	0.764	0.757	0.800	0.9%	< 30	95.5%	94.7%	50 150		
Azoxystrobin	0.000	0.388	0.401	0.400	3.5%	< 30	96.9%	100.4%	50 150		
Bifenazate	0.000	0.422	0.412	0.400	2.5%	< 30	105.6%	103.0%	50 150		
Bifenthrin	0.000	0.455	0.459	0.400	0.9%	< 30	113.8%	114.8%	50 150		
Boscalid	0.000	0.781	0.747	0.800	4.4%	< 30	97.6%	93.4%	50 150		
Carbaryl	0.000	0.389	0.389	0.400	0.0%	< 30	97.2%	97.2%	50 150		
Carbofuran	0.000	0.382	0.390	0.400	2.3%	< 30	95.4%	97.6%	50 150		
Chlorantraniliprole	0.000	0.369	0.379	0.400	2.7%	< 30	92.2%	94.7%	50 150		
Chlorfenapyr	0.000	1.985	1.761	2.000	12.0%	< 30	99.3%	88.1%	50 150		
Chlorpyrifos	0.000	0.414	0.360	0.400	13.9%	< 30	103.6%	90.1%	50 150		
Clofentazine	0.000	0.453	0.453	0.400	0.1%	< 30	113.2%	113.4%	50 150		
Cyfluthrin	0.000	2.018	1.862	2.000	8.1%	< 30	100.9%	93.1%	30 150		
Cypermethrin	0.000	2.057	1.600	2.000	25.0%	< 30	102.9%	80.0%	50 150		
Daminozide	0.173	2.300	2.274	2.000	1.2%	< 30	106.3%	105.0%	30 150		
Diazinon	0.000	0.392	0.382	0.400	2.7%	< 30	98.0%	95.4%	50 150		
Dichlorvos	0.000	1.982	1.908	2.000	3.8%	< 30	99.1%	95.4%	50 150		
Dimethoate	0.000	0.390	0.391	0.400	0.4%	< 30	97.4%	97.8%	50 150		
Ethoprophos	0.000	0.384	0.411	0.400	6.8%	< 30	95.9%	102.6%	50 150		
Etofenprox	0.000	0.962	0.921	0.800	4.3%	< 30	120.2%	115.2%	50 150		
Etoxazole	0.000	0.519	0.530	0.400	2.1%	< 30	129.7%	132.4%	50 150		
Fenoxycarb	0.000	0.388	0.384	0.400	1.0%	< 30	97.0%	96.1%	50 150		
Fenpyroximate	0.000	0.861	0.888	0.800	3.1%	< 30	107.6%	111.0%	50 150		
Fipronil	0.000	0.872	0.901	0.800	3.3%	< 30	108.9%	112.6%	50 150		
Flonicamid	0.000	1.032	1.012	1.000	2.0%	< 30	103.2%	101.2%	50 150		
Fludioxonil	0.000	0.739	0.764	0.800	3.4%	< 30	92.3%	95.6%	50 150		
Hexythiazox	0.000	1.054	1.097	1.000	4.0%	< 30	105.4%	109.7%	50 150		
Imazalil	0.000	0.314	0.310	0.400	1.3%	< 30	78.4%	77.4%	50 150		
Imidacloprid	0.000	0.770	0.765	0.800	0.7%	< 30	96.3%	95.6%	50 150		
Kresoxim methyl	0.000	0.823	0.796	0.800	3.4%	< 30	102.9%	99.5%	50 150		
Malathion	0.000	0.396	0.389	0.400	1.9%	< 30	99.0%	97.2%	50 150		
Metaxalyl	0.000	0.373	0.372	0.400	0.1%	< 30	93.2%	93.1%	50 150		
Methiocarb	0.000	0.381	0.381	0.400	0.0%	< 30	95.2%	95.3%	50 150		
Methomyl	0.000	0.650	0.753	0.800	14.7%	< 30	81.2%	94.1%	50 150		
MGK 264	0.000	0.418	0.412	0.400	1.4%	< 30	104.5%	103.1%	50 150		
Myclobutanil	0.000	0.371	0.378	0.400	1.7%	< 30	92.8%	94.5%	50 150		
Naled	0.000	0.882	0.919	1.000	4.1%	< 30	88.2%	91.9%	50 150		
Oxamyl	0.000	1.914	1.812	2.000	5.5%	< 30	95.7%	90.6%	50 150		
Pacllobutrazole	0.000	0.746	0.736	0.800	1.4%	< 30	93.3%	92.0%	50 150		
Parathion Methyl	0.000	0.758	0.770	0.800	1.6%	< 30	94.7%	96.2%	30 150		
Permethrin	0.000	0.538	0.566	0.400	5.1%	< 30	134.6%	141.6%	50 150		
Phosmet	0.000	0.373	0.378	0.400	1.3%	< 30	93.2%	94.4%	50 150		
Piperonyl butoxide	0.000	2.345	2.435	2.000	3.8%	< 30	117.2%	121.7%	50 150		
Prallethrin	0.000	0.477	0.473	0.400	0.8%	< 30	119.2%	118.2%	50 150		
Propiconazole	0.000	0.797	0.791	0.800	0.6%	< 30	99.6%	98.9%	50 150		
Propoxur	0.000	0.388	0.392	0.400	1.1%	< 30	96.9%	98.0%	50 150		
Pyrethrin (Summe)	4.058	5.235	5.381	0.413	11.7%	< 30	284.9%	320.2%	50 150	Q	
Pyridaben	0.000	0.544	0.509	0.400	6.7%	< 30	135.9%	127.1%	50 150		
Spinosad	0.000	0.440	0.400	0.388	9.4%	< 30	113.3%	103.1%	50 150		
Spiromesifen	0.000	0.412	0.414	0.400	0.4%	< 30	103.0%	103.5%	50 150		
Spirotetramat	0.000	0.398	0.406	0.400	2.0%	< 30	99.5%	101.5%	50 150		
Spiroxamine	0.000	0.785	0.761	0.800	3.1%	< 30	98.1%	95.1%	50 150		
ebuconazole	0.000	0.786	0.768	0.800	2.4%	< 30	98.3%	96.0%	50 150		
hiacloprid	0.000	0.377	0.385	0.400	2.1%	< 30	94.1%	96.1%	50 150		
hiamethoxam	0.000	0.397	0.419	0.400	5.3%	< 30	99.3%	104.7%	50 150		
rifloxystrobin	0.000	0.419	0.415	0.400	1.1%	< 30	104.8%	103.7%	50 150		



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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.