

## CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

<b>BULK SKU</b>	<b>BATCH #</b>	<b>LOQ: Limit Of Quantitation</b>	
<b>PRODUCT NAME</b>	<b>SERVING SIZE</b>	<b>LOD: Limit Of Detection</b>	
<b>LABORATORY :</b>	<b>OREGON ACCREDITATION: OR100028</b>	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)	mg/serving	mg/g	%
Total THC (d9-THC, THCA)	mg/serving	mg/g	%
Cannabigerol (CBG)	mg/serving	mg/g	%
Cannabinol (CBN)	mg/serving	mg/g	%
Cannabichromene (CBC)	mg/serving	mg/g	%
Tetrahydrocannabinolic Acid (THCA)	mg/serving	mg/g	%
Delta-9-THC (d9-THC)	mg/serving	mg/g	%
Delta-8-THC (d8-THC)	mg/serving	mg/g	%
HEAVY METALS	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Arsenic	µg/serving	µg/g	10 µg/day <sup>[1]</sup>
Cadmium	µg/serving	µg/g	4.1 µg/day <sup>[1]</sup>
Lead	µg/serving	µg/g	3.5 µg/day <sup>[2]</sup>
Mercury	µg/serving	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			
Heptane			
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	%		
β-Caryophyllene	%		
α-Bisabolol	%		
Guaiol	%		
Humulene	%		
Caryophyllene Oxide	%		



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:** 21-011669/D002.R000  
**Report Date:** 10/08/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/01/21 15:10

**Customer:** Etz Hayim Holdings  
**Product identity:** FORM-DI82-RSO  
**Client/Metric ID:** .  
**Laboratory ID:** 21-011669-0001

### Summary

**Potency:**

Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml <sup>†</sup>	1.22		mg/1ml		CBD-Total per 1ml 119 mg/1ml
CBD per 1ml	119		mg/1ml		
CBG per 1ml <sup>†</sup>	1.30		mg/1ml		THC-Total per 1ml 2.31 mg/1ml
CBT per 1ml <sup>†</sup>	2.12		mg/1ml		
Δ9-THC per 1ml	2.31		mg/1ml		(Reported in milligrams per serving)



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**Purchase Order:**  
**Received:** 10/01/21 15:10



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

**Product identity:** FORM-DI82-RSO

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 21-011669-0001

**Evidence of Cooling:** No

**Temp:** 25 °C

**Relinquished by:** client

**Serving Size #1:** 1.011 g

**Density:** 1.011 g/ml

### Sample Results

Potency per 1ml	Method J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2108995	Analyze: 10/5/21 6:21:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml <sup>†</sup>	1.22		mg/1ml	0.998	
CBC-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.998	
CBC-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.87	
CBD per 1ml	119		mg/1ml	0.998	
CBD-A per 1ml	< LOQ		mg/1ml	0.998	
CBD-Total per 1ml	119		mg/1ml	1.87	
CBDV per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.998	
CBDV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.998	
CBDV-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.86	
CBE per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.998	
CBG per 1ml <sup>†</sup>	1.30		mg/1ml	0.998	
CBG-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.998	
CBG-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.86	
CBL per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.998	
CBL-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.998	
CBL-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.87	
CBN per 1ml	< LOQ		mg/1ml	0.998	
CBT per 1ml <sup>†</sup>	2.12		mg/1ml	0.998	
Δ8-THCV per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.998	
Δ8-THC per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.998	
Δ9-THC per 1ml	2.31		mg/1ml	0.998	
exo-THC per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.998	
THC-A per 1ml	< LOQ		mg/1ml	0.998	
THC-Total per 1ml	2.31		mg/1ml	1.87	
THCV per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.998	
THCV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.998	
THCV-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.87	
Total Cannabinoids per 1ml	126		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

**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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**Purchase Order:**  
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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 comp	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-DI82-RSO	9/28	813			X													Laz Nat Discount
FORM-DI82-RSO	9/28	813								X	X							
FORM-DI82-RSO	9/28	813	X			X			X			X						

Collected By:		<b>Lab Use Only:</b>
<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: <i>20°C</i>
		Shipped Via: <i>client</i>
		Evidence of cooling: <input type="checkbox"/> Yes <input 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:** 21-011669/D002.R000  
**Report Date:** 10/08/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/01/21 15:10



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

Laboratory Quality Control Results

JAOAC2015 V98-6							
Batch ID: 2108995							
Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.201	0.2	%	100	85.0 - 115	Acceptable	
CBDV	0.213	0.2	%	106	85.0 - 115	Acceptable	
CBE	0.205	0.2	%	103	85.0 - 115	Acceptable	
CBDA	0.223	0.2	%	111	85.0 - 115	Acceptable	
CBGA	0.198	0.2	%	99.0	85.0 - 115	Acceptable	
CBG	0.208	0.2	%	104	85.0 - 115	Acceptable	
CBD	0.215	0.2	%	108	85.0 - 115	Acceptable	
THCV	0.202	0.2	%	101	85.0 - 115	Acceptable	
d8THCV	0.200	0.2	%	99.9	85.0 - 115	Acceptable	
THCVA	0.196	0.2	%	98.1	85.0 - 115	Acceptable	
CBN	0.218	0.2	%	109	85.0 - 115	Acceptable	
exo-THC	0.194	0.2	%	97.2	85.0 - 115	Acceptable	
d9THC	0.206	0.2	%	103	85.0 - 115	Acceptable	
d8THC	0.199	0.2	%	99.5	85.0 - 115	Acceptable	
CBL	0.185	0.2	%	92.6	85.0 - 115	Acceptable	
CBC	0.202	0.2	%	101	85.0 - 115	Acceptable	
THCA	0.212	0.2	%	106	85.0 - 115	Acceptable	
CBCA	0.202	0.2	%	101	85.0 - 115	Acceptable	
CBLA	0.210	0.2	%	105	85.0 - 115	Acceptable	
CBT	0.218	0.2	%	109	85.0 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.1	%	< 0.1	Acceptable	
CBDV	<LOQ	0.1	%	< 0.1	Acceptable	
CBE	<LOQ	0.1	%	< 0.1	Acceptable	
CBDA	<LOQ	0.1	%	< 0.1	Acceptable	
CBGA	<LOQ	0.1	%	< 0.1	Acceptable	
CBG	<LOQ	0.1	%	< 0.1	Acceptable	
CBD	<LOQ	0.1	%	< 0.1	Acceptable	
THCV	<LOQ	0.1	%	< 0.1	Acceptable	
d8THCV	<LOQ	0.1	%	< 0.1	Acceptable	
THCVA	<LOQ	0.1	%	< 0.1	Acceptable	
CBN	<LOQ	0.1	%	< 0.1	Acceptable	
exo-THC	<LOQ	0.1	%	< 0.1	Acceptable	
d9THC	<LOQ	0.1	%	< 0.1	Acceptable	
d8THC	<LOQ	0.1	%	< 0.1	Acceptable	
CBL	<LOQ	0.1	%	< 0.1	Acceptable	
CBC	<LOQ	0.1	%	< 0.1	Acceptable	
THCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBLA	<LOQ	0.1	%	< 0.1	Acceptable	
CBT	<LOQ	0.1	%	< 0.1	Acceptable	

Abbreviations

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

Units of Measure:

%- Percent



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

Laboratory Quality Control Results

JAOAC2015 V98-6		Batch ID: 2108995						
Sample Duplicate		Sample ID: 21-006903-0006						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBD A	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBN	>98.0	>98.0	0.1	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	

Abbreviations

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

Units of Measure:

%- Percent





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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.



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



**Report Number:** 21-011669/D004.R000  
**Report Date:** 10/08/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/01/21 15:10

**Customer:** Etz Hayim Holdings  
**Product identity:** FORM-DI82-RSO  
**Client/Metric ID:** .  
**Laboratory ID:** 21-011669-0002

### Summary

-----  
**Microbiology:**

Less than LOQ for all analytes.



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



**Report Number:** 21-011669/D004.R000  
**Report Date:** 10/08/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/01/21 15:10

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

**Product identity:** FORM-DI82-RSO

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 21-011669-0002

**Evidence of Cooling:** No

**Temp:** 25 °C

**Relinquished by:** client

### Sample Results

#### Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2108923	10/07/21	AOAC 991.14 (Petrifilm)	X, I	
Total Coliforms	< LOQ		cfu/g	10	2108923	10/07/21	AOAC 991.14 (Petrifilm)	X, I	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2108924	10/07/21	AOAC 2014.05 (RAPID)	X, I	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2108924	10/07/21	AOAC 2014.05 (RAPID)	X, I	



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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

**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



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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-DI82-RSO		9/28	8:13			X													Laz Nat Discount
FORM-DI82-RSO		9/28	8:13								X	X							
FORM-DI82-RSO		9/28	8:13	X			X			X			X						

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: <i>20°C</i>
							Shipped Via: <i>client</i>
							Evidence of cooling: <input type="checkbox"/> Yes <input 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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Explanation of QC Flag Comments:

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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:** 21-011669/D003.R000  
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**Purchase Order:**  
**Received:** 10/01/21 15:10

**Customer:** Etz Hayim Holdings  
**Product identity:** FORM-DI82-RSO  
**Client/Metric ID:** .  
**Laboratory ID:** 21-011669-0003

## 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
farnesene <sup>†</sup>	0.0823	31.90%	β-Caryophyllene <sup>†</sup>	0.0653	25.31%
α-Bisabolol <sup>†</sup>	0.0497	19.26%	Humulene <sup>†</sup>	0.0328	12.71%
(-)-caryophyllene oxide <sup>†</sup>	0.0282	10.93%	<b>Total Terpenes<sup>†</sup></b>	<b>0.258</b>	<b>100.00%</b>

### Metals:

Less than LOQ for all analytes.



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**Purchase Order:**  
**Received:** 10/01/21 15:10

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

**Product identity:** FORM-DI82-RSO

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 21-011669-0003

**Evidence of Cooling:** No

**Temp:** 25 °C

**Relinquished by:** client

### Sample Results

Solvents		Method Residual Solvents by GC/MS				Units µg/g	Batch 2109040	Analyze 10/07/21 11:19 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	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< 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		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	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass	
Methylpropane	< 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	< LOQ	2170	600	pass	





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 Portland, OR 97230  
 503-254-1794



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**Purchase Order:**  
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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2109048 Analyze 10/07/21 02:02 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		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							

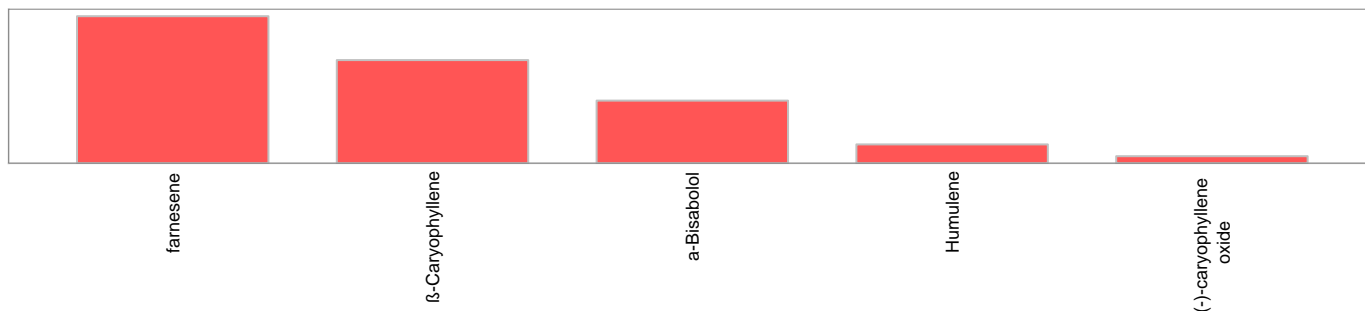


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Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2109046	Analyze 10/06/21 07:34 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
farnesene <sup>†</sup>	0.0823	0.018	31.8992%		β-Caryophyllene <sup>†</sup>	0.0653	0.018	25.3101%	
a-Bisabolol <sup>†</sup>	0.0497	0.018	19.2636%		Humulene <sup>†</sup>	0.0328	0.018	12.7132%	
(-)-caryophyllene oxide <sup>†</sup>	0.0282	0.018	10.9302%		(-)-Guaiol <sup>†</sup>	< LOQ	0.018	0.00%	
Linalool <sup>†</sup>	< LOQ	0.018	0.00%		Geraniol <sup>†</sup>	< LOQ	0.018	0.00%	
a-Terpinene <sup>†</sup>	< LOQ	0.018	0.00%		β-Myrcene <sup>†</sup>	< LOQ	0.018	0.00%	
(+)-Cedrol <sup>†</sup>	< LOQ	0.018	0.00%		Terpinolene <sup>†</sup>	< LOQ	0.018	0.00%	
(±)-trans-Nerolidol <sup>†</sup>	< LOQ	0.018	0.00%		Sabinene <sup>†</sup>	< LOQ	0.018	0.00%	
(R)-(+)-Limonene <sup>†</sup>	< LOQ	0.018	0.00%		trans-β-Ocimene <sup>†</sup>	< LOQ	0.012	0.00%	
cis-β-Ocimene <sup>†</sup>	< LOQ	0.006	0.00%		nerol <sup>†</sup>	< LOQ	0.018	0.00%	
(-)-a-Terpineol <sup>†</sup>	< LOQ	0.018	0.00%		(+)-fenchol <sup>†</sup>	< LOQ	0.018	0.00%	
gamma-Terpinene <sup>†</sup>	< LOQ	0.018	0.00%		(+)-Pulegone <sup>†</sup>	< LOQ	0.018	0.00%	
Geranyl acetate <sup>†</sup>	< LOQ	0.018	0.00%		p-Cymene <sup>†</sup>	< LOQ	0.018	0.00%	
Sabinene hydrate <sup>†</sup>	< LOQ	0.018	0.00%		valencene <sup>†</sup>	< LOQ	0.018	0.00%	
a-phellandrene <sup>†</sup>	< LOQ	0.018	0.00%		(-)-β-Pinene <sup>†</sup>	< LOQ	0.018	0.00%	
a-pinene <sup>†</sup>	< LOQ	0.018	0.00%		(+)-Borneol <sup>†</sup>	< LOQ	0.018	0.00%	
(±)-fenchone <sup>†</sup>	< LOQ	0.018	0.00%		(±)-Camphor <sup>†</sup>	< LOQ	0.018	0.00%	
(-)-Isopulegol <sup>†</sup>	< LOQ	0.018	0.00%		(±)-cis-Nerolidol <sup>†</sup>	< LOQ	0.018	0.00%	
a-cedrene <sup>†</sup>	< LOQ	0.018	0.00%		Camphene <sup>†</sup>	< LOQ	0.018	0.00%	
d-3-Carene <sup>†</sup>	< LOQ	0.018	0.00%		Eucalyptol <sup>†</sup>	< LOQ	0.018	0.00%	
Isoborneol <sup>†</sup>	< LOQ	0.018	0.00%		Menthol <sup>†</sup>	< LOQ	0.018	0.00%	
<b>Total Terpenes</b>	<b>0.258</b>								



Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ		mg/kg	0.0485	2108982	10/05/21	AOAC 2013.06 (mod.)	x	
Cadmium	< LOQ		mg/kg	0.0485	2108982	10/05/21	AOAC 2013.06 (mod.)	x	
Lead	< LOQ		mg/kg	0.0485	2108982	10/05/21	AOAC 2013.06 (mod.)	x	
Mercury	< LOQ		mg/kg	0.0242	2108982	10/05/21	AOAC 2013.06 (mod.)	x	



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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

**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



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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-DI82-RSO		9/28	813			X													Laz Nat Discount
FORM-DI82-RSO		9/28	813								X	X							
FORM-DI82-RSO		9/28	813	X			X			X			X						

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: <i>20°C</i>
							Shipped Via: <i>client</i>
							Evidence of cooling: <input type="checkbox"/> Yes <input 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](http://www.pixislabs.com)  
Effective 01/31/2019 Revised 01/31/2019 Page 1 of 2



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Laboratory Quality Control Results

Batch ID: 2109040

Residual Solvents				Laboratory Control Sample					
Method Blank				Result	Spike	Units	% Rec	Limits	Notes
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		432	407	µg/g	106.1	70	130
Isobutane	ND	< 200		512	491	µg/g	104.3	70	130
Butane	ND	< 200		518	491	µg/g	105.5	70	130
2,2-Dimethylpropane	ND	< 200		657	608	µg/g	107.9	70	130
Methanol	ND	< 200		1400	1610	µg/g	87.0	70	130
Ethylene Oxide	ND	< 30		35.1	38.8	µg/g	90.2	70	130
2-Methylbutane	ND	< 200		1370	1610	µg/g	85.1	70	130
Pentane	ND	< 200		1340	1610	µg/g	83.2	70	130
Ethanol	ND	< 200		1550	1610	µg/g	96.3	70	130
Ethyl Ether	ND	< 200		1440	1610	µg/g	89.4	70	130
2,2-Dimethylbutane	ND	< 30		134	166	µg/g	81.7	70	130
Acetone	ND	< 200		1390	1610	µg/g	86.3	70	130
2-Propanol	ND	< 200		1510	1610	µg/g	93.8	70	130
Ethyl Formate	ND	< 500		1390	1610	µg/g	86.3	70	130
Acetonitrile	ND	< 100		428	484	µg/g	88.4	70	130
Methyl Acetate	ND	< 500		1490	1610	µg/g	92.5	70	130
2,3-Dimethylbutane	ND	< 30		123	167	µg/g	77.2	70	130
Dichloromethane	ND	< 60		458	491	µg/g	93.3	70	130
2-Methylpentane	ND	< 30		150	165	µg/g	90.9	70	130
MTBE	ND	< 500		1490	1600	µg/g	93.1	70	130
3-Methylpentane	ND	< 30		146	172	µg/g	84.9	70	130
Hexane	ND	< 30		148	167	µg/g	89.2	70	130
1-Propanol	ND	< 500		1440	1610	µg/g	89.4	70	130
Methylethylketone	ND	< 500		1350	1620	µg/g	83.3	70	130
Ethyl acetate	ND	< 200		1390	1610	µg/g	86.3	70	130
2-Butanol	ND	< 200		1510	1610	µg/g	93.8	70	130
Tetrahydrofuran	ND	< 100		468	483	µg/g	97.1	70	130
Cyclohexane	ND	< 200		1310	1610	µg/g	81.4	70	130
2-methyl-1-propanol	ND	< 500		1410	1620	µg/g	87.0	70	130
Benzene	ND	< 1		4.5	5.38	µg/g	84.0	70	130
Isopropyl Acetate	ND	< 200		1490	1620	µg/g	92.0	70	130
Heptane	ND	< 200		1270	1610	µg/g	78.9	70	130
1-Butanol	ND	< 500		1450	1610	µg/g	90.1	70	130
Propyl Acetate	ND	< 500		1480	1620	µg/g	91.4	70	130
1,4-Dioxane	ND	< 100		442	488	µg/g	90.4	70	130
2-Ethoxyethanol	ND	< 30		144	167	µg/g	86.2	70	130
Methylisobutylketone	ND	< 500		1330	1610	µg/g	82.6	70	130
3-Methyl-1-butanol	ND	< 500		1230	1610	µg/g	76.4	70	130
Ethylene Glycol	ND	< 200		406	504	µg/g	80.6	70	130
Toluene	ND	< 200		442	484	µg/g	91.3	70	130
Isobutyl Acetate	ND	< 500		1220	1610	µg/g	75.8	70	130
1-Pentanol	ND	< 500		951	1610	µg/g	59.1	70	130 Q6
Butyl Acetate	ND	< 500		1550	1620	µg/g	95.7	70	130
Ethylbenzene	ND	< 200		891	968	µg/g	92.0	70	130
m,p-Xylene	ND	< 200		888	977	µg/g	90.7	70	130
o-Xylene	ND	< 200		925	982	µg/g	94.6	70	130
Cumene	ND	< 30		158	169	µg/g	92.3	70	130
Anisole	ND	< 500		1240	1630	µg/g	76.1	70	130
DMSO	ND	< 500		1240	1630	µg/g	76.1	70	130
1,2-dimethoxyethane	ND	< 50		150	162	µg/g	92.6	70	130
Triethylamine	ND	< 500		1440	1670	µg/g	86.2	70	130
N,N-dimethylformamide	ND	< 150		400	502	µg/g	79.7	70	130
N,N-dimethylacetamide	ND	< 150		362	488	µg/g	74.6	70	130
Pyridine	ND	< 50		97	166	µg/g	58.4	70	130 Q6



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QC - Sample Duplicate Sample ID: 21-011668-0001

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/ Fail	Notes
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	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-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
MTE	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methyl ethyl ketone	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	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	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	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Bnfl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	

**Abbreviations**

ND - None Detected at or above MRL

RPD - Relative Percent Difference

LOQ - Limit of Quantitation

QC - Quality control outside QC limits. Data acceptable based on remaining QC.

**Units of Measure:**

µg/g - Microgram per gram or ppm



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Terpenes Quality Control Results

Method Reference: EP/5035				Batch ID: 2109046					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits	Notes
a-pinene	<LOQ	< 200		475	500	µg/g	95%	70 - 130	
Camphene	<LOQ	< 200		349	500	µg/g	70%	70 - 130	
Sabinene	<LOQ	< 200		392	500	µg/g	78%	70 - 130	
b-Phene	<LOQ	< 200		379	500	µg/g	76%	70 - 130	
b-Myrcene	<LOQ	< 200		351	500	µg/g	70%	70 - 130	
a-phellandrene	<LOQ	< 200		385	500	µg/g	77%	70 - 130	
d-3-Caene	<LOQ	< 200		393	500	µg/g	79%	70 - 130	
a-Terpinene	<LOQ	< 200		402	500	µg/g	80%	70 - 130	
p-Cymene	<LOQ	< 200		382	500	µg/g	76%	70 - 130	
D-Limonene	<LOQ	< 200		370	500	µg/g	74%	70 - 130	
Eucalyptol	<LOQ	< 200		386	500	µg/g	77%	70 - 130	
b-α-Cimene	<LOQ	< 67		144	167	µg/g	87%	70 - 130	
b-trans-Cimene	<LOQ	< 133		262	333	µg/g	78%	70 - 130	
g-Terpinene	<LOQ	< 200		401	500	µg/g	80%	70 - 130	
Sabinene Hydrate	<LOQ	< 200		402	500	µg/g	80%	70 - 130	
Terpinolene	<LOQ	< 200		538	500	µg/g	108%	70 - 130	
D-Fenchone	<LOQ	< 200		411	500	µg/g	82%	70 - 130	
Linalool	<LOQ	< 200		429	500	µg/g	86%	70 - 130	
Fenchol	<LOQ	< 200		405	500	µg/g	81%	70 - 130	
Camphor	<LOQ	< 200		367	500	µg/g	73%	70 - 130	
Isopuleg	<LOQ	< 200		364	500	µg/g	73%	70 - 130	
Isborneol	<LOQ	< 200		369	500	µg/g	74%	70 - 130	
Borneol	<LOQ	< 200		417	500	µg/g	83%	70 - 130	
DL-Menthol	<LOQ	< 200		387	500	µg/g	77%	70 - 130	
Terpineol	<LOQ	< 200		409	500	µg/g	82%	70 - 130	
Nerol	<LOQ	< 200		362	500	µg/g	72%	70 - 130	
Pulegone	<LOQ	< 200		503	500	µg/g	101%	70 - 130	
Geraniol	<LOQ	< 200		376	500	µg/g	75%	70 - 130	
Geranyl Acetate	<LOQ	< 200		383	500	µg/g	77%	70 - 130	
α-Cedrene	<LOQ	< 200		425	500	µg/g	85%	70 - 130	
b-Caryophyllene	<LOQ	< 200		374	500	µg/g	75%	70 - 130	
α-Humulene	<LOQ	< 200		423	500	µg/g	85%	70 - 130	
Valenene	<LOQ	< 200		359	500	µg/g	72%	70 - 130	
cis-Nerolidol	<LOQ	< 200		410	500	µg/g	82%	70 - 130	
α-Farnesene	<LOQ	< 200		437	500	µg/g	87%	70 - 130	
trans-Nerolidol	<LOQ	< 200		410	500	µg/g	82%	70 - 130	
Caryophyllene Oxide	<LOQ	< 200		432	500	µg/g	86%	70 - 130	
Guaiol	<LOQ	< 200		463	500	µg/g	93%	70 - 130	
Cedrol	<LOQ	< 200		370	500	µg/g	74%	70 - 130	
α-Bisabol	<LOQ	< 200		395	500	µg/g	79%	70 - 130	

Definitions

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



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Terpenes Quality Control Results

Method Reference: EPA5035		Batch ID: 2109046					
Sample/Sample Duplicate		Sample ID: 21-011669-0003					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	<LOQ	<LOQ	183	µg/g	0%	< 20	
Camphene	<LOQ	<LOQ	183	µg/g	0%	< 20	
Sabinene	<LOQ	<LOQ	183	µg/g	0%	< 20	
b-Pinene	<LOQ	<LOQ	183	µg/g	0%	< 20	
b-Myrcene	<LOQ	<LOQ	183	µg/g	0%	< 20	
a-phellandrene	<LOQ	<LOQ	183	µg/g	0%	< 20	
d-3-Caene	<LOQ	<LOQ	183	µg/g	0%	< 20	
a-Terpinene	<LOQ	<LOQ	183	µg/g	0%	< 20	
p-Cymene	<LOQ	<LOQ	183	µg/g	0%	< 20	
D-Limonene	<LOQ	<LOQ	183	µg/g	0%	< 20	
Eucalyptol	<LOQ	<LOQ	183	µg/g	0%	< 20	
b-cis-OCimene	<LOQ	<LOQ	60.9	µg/g	0%	< 20	
b-trans-OCimene	<LOQ	<LOQ	122	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	183	µg/g	0%	< 20	
Sabinene Hydrate	<LOQ	<LOQ	183	µg/g	0%	< 20	
Terpinolene	<LOQ	<LOQ	183	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	183	µg/g	0%	< 20	
Linalool	<LOQ	<LOQ	183	µg/g	0%	< 20	
Fenchol	<LOQ	<LOQ	183	µg/g	0%	< 20	
Camphor	<LOQ	<LOQ	183	µg/g	0%	< 20	
Isopuleg	<LOQ	<LOQ	183	µg/g	0%	< 20	
Isborneol	<LOQ	<LOQ	183	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	183	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	183	µg/g	0%	< 20	
Terpineol	<LOQ	<LOQ	183	µg/g	0%	< 20	
Nerol	<LOQ	<LOQ	183	µg/g	0%	< 20	
Rulegone	<LOQ	<LOQ	183	µg/g	0%	< 20	
Geraniol	<LOQ	<LOQ	183	µg/g	0%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	183	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	183	µg/g	0%	< 20	
b-Caryophyllene	572	653	183	µg/g	13%	< 20	
a-Humulene	301	328	183	µg/g	9%	< 20	
Valenene	<LOQ	<LOQ	183	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	183	µg/g	0%	< 20	
a-Farnesene	737	823	183	µg/g	11%	< 20	
trans-Nerolidol	<LOQ	<LOQ	183	µg/g	0%	< 20	
Caryophyllene_Oxide	258	282	183	µg/g	9%	< 20	
Guaiol	<LOQ	<LOQ	183	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	183	µg/g	0%	< 20	
a-Bisabol	436	497	183	µg/g	13%	< 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: 2109048				
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Accephate	0.023	< 0.250		0.938	1.000	93.8	69.9 - 130	
Acequinocyl	0.000	< 1.000		3.730	4.000	93.2	71.3 - 132	
Acetamiprid	0.000	< 0.100		0.376	0.400	93.9	70.7 - 131	
Aldicarb	0.000	< 0.200		0.776	0.800	97.1	73.2 - 136	
Abamectin	0.000	< 0.250		0.919	1.000	91.9	71.4 - 133	
Azoxystrobin	0.000	< 0.100		0.359	0.400	89.8	69.8 - 130	
Bifenazate	0.000	< 0.100		0.377	0.400	94.2	74.3 - 138	
Bifenthrin	0.000	< 0.100		0.373	0.400	93.3	69.6 - 129	
Boscalid	0.000	< 0.200		0.778	0.800	97.2	70.0 - 130	
Carbaryl	0.005	< 0.100		0.379	0.400	94.8	70.3 - 131	
Carbofuran	0.005	< 0.100		0.372	0.400	93.0	71.9 - 134	
Chlorantraniliprol	0.000	< 0.100		0.419	0.400	104.8	70.3 - 130	
Chlorfenapyr	0.000	< 0.500		1.962	2.000	98.1	71.1 - 132	
Chlorpyrifos	0.000	< 0.100		0.371	0.400	92.7	68.8 - 128	
Clofentezine	0.000	< 0.100		0.365	0.400	91.3	69.7 - 129	
Cyfluthrin	0.000	< 0.500		1.882	2.000	94.1	71.8 - 133	
Cypermethrin	0.000	< 0.500		1.904	2.000	95.2	71.2 - 132	
Daminozide	0.134	< 0.500		1.845	2.000	92.2	71.8 - 133	
Diazinon	0.000	< 0.100		0.390	0.400	97.6	70.1 - 130	
Dichlorvos	0.000	< 0.500		1.880	2.000	94.0	68.5 - 127	
Dimethoat	0.000	< 0.100		0.379	0.400	94.8	70.6 - 131	
Ethoprophos	0.000	< 0.100		0.378	0.400	94.5	69.4 - 129	
Etofenprox	0.000	< 0.200		0.749	0.800	93.6	71.7 - 133	
Etoxazol	0.000	< 0.100		0.354	0.400	88.5	70.6 - 131	
Fenoxycarb	0.000	< 0.100		0.370	0.400	92.4	70.0 - 130	
Fenpyroximat	0.000	< 0.200		0.738	0.800	92.3	70.7 - 131	
Fipronil	0.000	< 0.200		0.730	0.800	91.2	71.8 - 133	
Flonicamid	0.000	< 0.250		0.940	1.000	94.0	70.6 - 131	
Fludoxonil	0.000	< 0.200		0.846	0.800	105.7	73.5 - 136	
Hexythiazox	0.000	< 0.250		0.910	1.000	91.0	69.1 - 128	
Imazalil	0.000	< 0.100		0.381	0.400	95.3	72.3 - 134	
Imidacloprid	0.000	< 0.200		0.737	0.800	92.1	69.8 - 130	
Kresoxim-Methyl	0.000	< 0.200		0.721	0.800	90.1	70.2 - 130	
Malathion	0.000	< 0.100		0.372	0.400	92.9	69.6 - 129	
Metaxalyl	0.000	< 0.100		0.370	0.400	92.6	70.7 - 131	
Methiocarb	0.007	< 0.100		0.373	0.400	93.2	70.1 - 130	
Methomyl	0.000	< 0.200		0.823	0.800	102.9	69.7 - 130	
MGK 264	0.000	< 0.100		0.377	0.400	94.3	69.9 - 130	
Myclobutanil	0.000	< 0.100		0.368	0.400	91.9	70.2 - 130	
Naled	0.000	< 0.250		0.931	1.000	93.1	72.0 - 134	
Oxamyl	0.000	< 0.500		1.634	2.000	81.7	70.7 - 131	
Paclobutrazol	0.000	< 0.200		0.759	0.800	94.9	70.6 - 131	
Parathion Methyl	0.000	< 0.200		0.741	0.800	92.6	71.8 - 133	
Permethrin	0.000	< 0.100		0.387	0.400	96.8	69.9 - 130	
Phosmet	0.000	< 0.100		0.377	0.400	94.3	69.9 - 130	
Piperonyl butoxide	0.000	< 0.500		1.813	2.000	90.7	72.7 - 135	
Prallethrin	0.000	< 0.100		0.375	0.400	93.8	70.6 - 131	
Propiconazole	0.000	< 0.200		0.742	0.800	92.7	70.2 - 130	
Propoxur	0.010	< 0.100		0.375	0.400	93.7	69.9 - 130	
Pyrethrins	0.000	< 0.100		0.378	0.413	91.6	69.1 - 128	
Pyridaben	0.000	< 0.100		0.364	0.400	90.9	69.9 - 130	
Spinosad	0.000	< 0.100		0.379	0.388	97.8	72.5 - 135	
Spiromesifen	0.000	< 0.100		0.356	0.400	89.0	71.3 - 132	
Spirotetramat	0.000	< 0.100		0.379	0.400	94.9	70.5 - 131	
Spiroxamine	0.000	< 0.200		0.737	0.800	92.1	68.5 - 127	
Tebuconazol	0.000	< 0.200		0.747	0.800	93.4	70.0 - 130	
Thiadoprid	0.000	< 0.100		0.363	0.400	90.7	69.7 - 130	
Thiamethoxam	0.000	< 0.100		0.325	0.400	81.3	69.8 - 130	
Trifloxystrobin	0.000	< 0.100		0.369	0.400	92.3	70.6 - 131	



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**Laboratory Pesticide Quality Control Results**

AOAC 2007.1 & EN 15662		Units: mg/Kg					Batch ID: 2109048				
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 21-011664-0003									
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes	
Accephate	0.043	0.932	0.938	1.000	0.8%	< 30	88.9%	89.5%	50 - 150		
Acetamiprid	0.000	0.367	0.364	0.400	0.7%	< 30	91.7%	91.1%	50 - 150		
Aldicarb	0.000	0.764	0.750	0.800	1.8%	< 30	95.4%	93.8%	50 - 150		
Abamectin	0.000	0.879	0.897	1.000	2.1%	< 30	87.9%	89.7%	50 - 150		
Azoxystrobin	0.000	0.357	0.340	0.400	4.7%	< 30	89.2%	85.1%	50 - 150		
Bifenazate	0.000	0.450	0.460	0.400	2.2%	< 30	112.5%	115.1%	50 - 150		
Bifenthrin	0.000	0.212	0.207	0.400	2.4%	< 30	53.0%	51.8%	50 - 150		
Boscalid	0.000	0.730	0.703	0.800	3.7%	< 30	91.2%	87.9%	50 - 150		
Carbaryl	0.000	0.356	0.349	0.400	2.0%	< 30	89.1%	87.4%	50 - 150		
Carbofuran	0.000	0.364	0.349	0.400	4.2%	< 30	90.9%	87.1%	50 - 150		
Chlorantraniliprol	0.000	0.403	0.405	0.400	0.4%	< 30	100.8%	101.2%	50 - 150		
Chlorfenapyr	0.000	1.850	1.672	2.000	10.1%	< 30	92.5%	83.6%	50 - 150		
Chlorpyrifos	0.000	0.379	0.367	0.400	3.2%	< 30	94.8%	91.8%	50 - 150		
Clofentezine	0.000	0.319	0.313	0.400	1.8%	< 30	79.7%	78.3%	50 - 150		
Cyfluthrin	0.000	0.885	0.907	2.000	2.5%	< 30	44.2%	45.3%	30 - 150		
Cypermethrin	0.000	0.904	0.893	2.000	1.3%	< 30	45.2%	44.6%	50 - 150	Q	
Daminozide	0.116	0.884	0.840	2.000	5.9%	< 30	38.4%	36.2%	30 - 150		
Diazinon	0.000	0.380	0.372	0.400	2.0%	< 30	94.9%	93.1%	50 - 150		
Dichlorvos	0.000	1.832	1.777	2.000	3.0%	< 30	91.6%	88.8%	50 - 150		
Dimethoat	0.000	0.367	0.369	0.400	0.7%	< 30	91.7%	92.3%	50 - 150		
Ethoprophos	0.000	0.370	0.357	0.400	3.8%	< 30	92.6%	89.2%	50 - 150		
Etofenprox	0.000	0.534	0.532	0.800	0.4%	< 30	66.8%	66.5%	50 - 150		
Etoxazol	0.000	0.335	0.345	0.400	3.0%	< 30	83.8%	86.3%	50 - 150		
Fenoxycarb	0.000	0.348	0.344	0.400	1.0%	< 30	86.9%	86.1%	50 - 150		
Fenpyroximat	0.000	0.467	0.444	0.800	5.2%	< 30	58.4%	55.5%	50 - 150		
Fipronil	0.000	0.647	0.629	0.800	2.7%	< 30	80.8%	78.7%	50 - 150		
Flonicamid	0.000	0.910	0.901	1.000	1.0%	< 30	91.0%	90.1%	50 - 150		
Fludioxonil	0.000	0.851	0.793	0.800	7.0%	< 30	106.3%	99.2%	50 - 150		
Hexythiazox	0.000	0.886	0.856	1.000	3.5%	< 30	88.6%	85.6%	50 - 150		
Imazalil	0.000	0.379	0.367	0.400	3.4%	< 30	94.8%	91.7%	50 - 150		
Imidacloprid	0.000	0.744	0.744	0.800	0.0%	< 30	93.0%	93.0%	50 - 150		
Kresoxim-Methyl	0.000	0.724	0.709	0.800	2.1%	< 30	90.6%	88.6%	50 - 150		
Malathion	0.057	0.369	0.362	0.400	2.4%	< 30	78.0%	76.1%	50 - 150		
Metaxalyl	0.000	0.374	0.366	0.400	2.3%	< 30	93.6%	91.5%	50 - 150		
Methiocarb	0.000	0.356	0.352	0.400	1.3%	< 30	89.1%	87.9%	50 - 150		
Methomyl	0.000	0.670	0.776	0.800	14.6%	< 30	83.8%	97.0%	50 - 150		
MGK 264	0.000	0.334	0.334	0.400	0.2%	< 30	83.6%	83.4%	50 - 150		
Myclobutanil	0.000	0.357	0.347	0.400	2.8%	< 30	89.3%	86.9%	50 - 150		
Naled	0.000	0.897	0.879	1.000	2.0%	< 30	89.7%	87.9%	50 - 150		
Oxamyl	0.000	1.579	1.516	2.000	4.1%	< 30	78.9%	75.8%	50 - 150		
Paclobutrazol	0.000	0.711	0.676	0.800	5.0%	< 30	88.9%	84.5%	50 - 150		
Parathion Methyl	0.000	0.601	0.678	0.800	12.1%	< 30	75.1%	84.8%	30 - 150		
Permethrin	0.000	0.263	0.261	0.400	0.9%	< 30	65.8%	65.2%	50 - 150		
Phosmet	0.000	0.366	0.357	0.400	2.4%	< 30	91.5%	89.3%	50 - 150		
Piperonyl butoxide	0.000	1.798	1.768	2.000	1.7%	< 30	89.9%	88.4%	50 - 150		
Prallethrin	0.041	0.457	0.467	0.400	2.3%	< 30	104.2%	106.6%	50 - 150		
Propiconazole	0.000	0.677	0.674	0.800	0.5%	< 30	84.7%	84.3%	50 - 150		
Propoxur	0.000	0.362	0.352	0.400	2.8%	< 30	90.4%	88.0%	50 - 150		
Pyrethrins	0.018	0.250	0.250	0.413	0.1%	< 30	56.1%	56.2%	50 - 150		
Pyridaben	0.000	0.336	0.320	0.400	4.7%	< 30	83.9%	80.1%	50 - 150		
Spinosad	0.000	0.370	0.376	0.388	1.5%	< 30	95.4%	96.8%	50 - 150		
Spiromesifen	0.000	0.339	0.344	0.400	1.5%	< 30	84.7%	86.0%	50 - 150		
Spirotetramat	0.000	0.398	0.400	0.400	0.6%	< 30	99.5%	100.0%	50 - 150		
Spiroxamine	0.000	0.737	0.724	0.800	1.8%	< 30	92.2%	90.5%	50 - 150		
Tebuconazol	0.000	0.671	0.669	0.800	0.2%	< 30	83.9%	83.7%	50 - 150		
Thiadoprid	0.000	0.365	0.355	0.400	2.8%	< 30	91.4%	88.8%	50 - 150		
Thiamethoxam	0.000	0.307	0.292	0.400	5.3%	< 30	76.9%	72.9%	50 - 150		
Trifloxystrobin	0.000	0.270	0.276	0.400	2.1%	< 30	67.5%	69.0%	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.