

CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU SG100	BATCH # DG55	LOQ: Limit Of Quantitation LOD: Limit Of Detection 1 g = 10 ⁻³ kg = 10 ³ mg = 10 ⁶ µg 1 mg/kg = 1 ppm = 1000 ppb
PRODUCT NAME CBD Softgels - 100 mg	SERVING SIZE 1 softgel (0.42 mL)	
LABORATORY: Columbia Laboratories	OREGON ACCREDITATION: OR100028	

POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	117.6 mg/serving	296.9 mg/g	29.7 %
Total THC (d9-THC, THCA)	1.2 mg/serving	3.0 mg/g	0.3 %
Cannabigerol (CBG)	0.7 mg/serving	1.8 mg/g	0.2 %
Cannabinol (CBN)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Cannabichromene (CBC)	1.0 mg/serving	2.6 mg/g	0.3 %
Tetrahydrocannabinolic Acid (THCA)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Delta-9-THC (d9-THC)	1.2 mg/serving	3.0 mg/g	0.3 %
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 ^[1]
Cadmium	<LOQ µg/serving	<LOQ µg/g	4.1 µg/day ^[1]
Lead	<LOQ µg/serving	<LOQ µg/g	3.5 µg/day ^[2]
Mercury	<LOQ µg/serving	<LOQ µg/g	2 µg/day ^[1]

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

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	1.9 %
α-Bisabolol	0.0 %
Guaiol	<LOQ %
Humulene	1.1 %
Caryophyllene Oxide	0.0 %



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: 21-009134/D002.R000
Report Date: 08/13/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

Customer: Etz Hayim Holdings
Product identity: FORM-DG55-SG100
Client/Metric ID: .
Laboratory ID: 21-009134-0001

Sample Date: 07/20/21 13:55

Summary

Potency:

Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml†	2.41		mg/1ml		CBD Total per 1ml 280 mg/1ml
CBD per 1ml	280		mg/1ml		
CBDV per 1ml†	0.990		mg/1ml		THC-Total per 1ml 2.84 mg/1ml
CBE per 1ml†	1.57		mg/1ml		(Reported in milligrams per serving)
CBG per 1ml†	1.73		mg/1ml		
CBT per 1ml†	4.20		mg/1ml		
Δ9 THC per 1ml	2.84		mg/1ml		



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

Report Number: 21-009134/D002.R000
Report Date: 08/13/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00



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

Product identity: FORM-DG55-SG100

Client/Metric ID: .

Sample Date: 07/20/21 13:55

Laboratory ID: 21-009134-0001

Evidence of Cooling: No

Temp: 26.3 °C

Relinquished by: T. Ashmore

Serving Size #1: 0.943 g

Density: 0.9430 g/ml

Sample Results

Potency per 1ml	Method J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2107157	Analyze: 8/11/21 2:19:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml [†]	2.41		mg/1ml	0.813	
CBC-A per 1ml [†]	< LOQ		mg/1ml	0.813	
CBC-Total per 1ml [†]	2.41		mg/1ml	1.53	
CBD per 1ml	280		mg/1ml	8.13	
CBD-A per 1ml	< LOQ		mg/1ml	0.813	
CBD-Total per 1ml	280		mg/1ml	8.84	
CBDV per 1ml [†]	0.990		mg/1ml	0.813	
CBDV-A per 1ml [†]	< LOQ		mg/1ml	0.813	
CBDV-Total per 1ml [†]	< LOQ		mg/1ml	1.52	
CBE per 1ml [†]	1.57		mg/1ml	0.813	
CBG per 1ml [†]	1.73		mg/1ml	0.813	
CBG-A per 1ml [†]	< LOQ		mg/1ml	0.813	
CBG-Total per 1ml [†]	1.73		mg/1ml	1.52	
CBL per 1ml [†]	< LOQ		mg/1ml	0.813	
CBL-A per 1ml [†]	< LOQ		mg/1ml	0.813	
CBL-Total per 1ml [†]	< LOQ		mg/1ml	1.53	
CBN per 1ml	< LOQ		mg/1ml	0.813	
CBT per 1ml [†]	4.20		mg/1ml	0.813	
Δ8-THCV per 1ml [†]	< LOQ		mg/1ml	0.813	
Δ8-THC per 1ml [†]	< LOQ		mg/1ml	0.813	
Δ9-THC per 1ml	2.84		mg/1ml	0.813	
exo-THC per 1ml [†]	< LOQ		mg/1ml	0.813	
THC-A per 1ml	< LOQ		mg/1ml	0.813	
THC-Total per 1ml	2.84		mg/1ml	1.53	
THCV per 1ml [†]	< LOQ		mg/1ml	0.813	
THCV-A per 1ml [†]	< LOQ		mg/1ml	0.813	
THCV-Total per 1ml [†]	< LOQ		mg/1ml	1.53	
Total Cannabinoids per 1ml	294		mg/1ml		



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



Report Number: 21-009134/D002.R000
Report Date: 08/13/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

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



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

Report Number: 21-009134/D002.R000
Report Date: 08/13/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00



ETZHAYIM 21-009134



IS Labs
A Tentamus Company

1028

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

Cannabis Chain of Custody Record

Field ID		Date/Time Collected		Analysis Requested											Matrix	Weight	Serving size for edibles	Comments/Metric ID	
				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				
FORM-DG55-SG100		7/20 1355				X													Laz Nat Discount
FORM-DG55-SG100		7/20 1355								X	X								
FORM-DG55-SG100		7/20 1355		X			X		X			X							

Order Number: 1028

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 type="checkbox"/> Standard (5 day)							Client Alias:
<input checked="" 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: 76.3
							Shipped Via: Client
							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

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



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

Report Number: 21-009134/D002.R000
 Report Date: 08/13/2021
 ORELAP#: OR100028
 Purchase Order:
 Received: 08/09/21 16:00



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

Laboratory Quality Control Results

JAOAC2015 V98-6								
Batch ID 2107157								
Laboratory Control Sample								
Analyte	Result	Spike	Units	%Rec	Limits	Evaluation	Notes	
CBDVA	0.204	0.2	%	102	85.0 - 115	Acceptable		
CBDV	0.207	0.2	%	103	85.0 - 115	Acceptable		
CBE	0.200	0.2	%	100	85.0 - 115	Acceptable		
CBDA	0.211	0.2	%	106	85.0 - 115	Acceptable		
CBGA	0.204	0.2	%	102	85.0 - 115	Acceptable		
CBG	0.203	0.2	%	102	85.0 - 115	Acceptable		
CBD	0.227	0.2	%	114	85.0 - 115	Acceptable		
THCV	0.206	0.2	%	103	85.0 - 115	Acceptable		
d8THCV	0.201	0.2	%	100	85.0 - 115	Acceptable		
THCVA	0.195	0.2	%	97.4	85.0 - 115	Acceptable		
CBN	0.225	0.2	%	112	85.0 - 115	Acceptable		
exo-THC	0.191	0.2	%	95.4	85.0 - 115	Acceptable		
d9THC	0.224	0.2	%	112	85.0 - 115	Acceptable		
d8THC	0.199	0.2	%	99.5	85.0 - 115	Acceptable		
CBL	0.184	0.2	%	92.0	85.0 - 115	Acceptable		
CBC	0.210	0.2	%	105	85.0 - 115	Acceptable		
THCA	0.208	0.2	%	104	85.0 - 115	Acceptable		
CBCA	0.198	0.2	%	99.1	85.0 - 115	Acceptable		
CBLA	0.205	0.2	%	103	85.0 - 115	Acceptable		
CBT	0.210	0.2	%	105	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



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



Report Number: 21-009134/D002.R000
Report Date: 08/13/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

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 2107157								
Sample Duplicate								
Sample ID 21-008911-0001								
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	
CBDA	<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	0.783	0.764	0.1	%	2.33	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBN	0.394	0.390	0.1	%	0.890	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THC	81.3	83.0	0.1	%	2.09	< 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	0.190	0.166	0.1	%	13.6	< 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



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: 21-009134/D003.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

Customer: Etz Hayim Holdings
Product identity: FORM-DG55-SG100
Client/Metric ID: .
Laboratory ID: 21-009134-0002

Sample Date: 07/20/21 13:55

Summary

Microbiology:

Less than LOQ for all analytes.



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



Report Number: 21-009134/D003.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

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

Product identity: FORM-DG55-SG100

Client/Metric ID: .

Sample Date: 07/20/21 13:55

Laboratory ID: 21-009134-0002

Evidence of Cooling: No

Temp: 26.3 °C

Relinquished by: T. Ashmore

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2107097	08/12/21	AOAC 991.14 (Petrifilm)	X, I	
Total Coliforms	< LOQ		cfu/g	10	2107097	08/12/21	AOAC 991.14 (Petrifilm)	X, I	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2107099	08/12/21	AOAC 2014.05 (RAPID)	X, I	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2107099	08/12/21	AOAC 2014.05 (RAPID)	X, I	



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



Report Number: 21-009134/D003.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

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



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



Report Number: 21-009134/D003.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

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

Cannabis Chain of Custody Record

ETZHAYIM 21-009134



IS Labs
A Tentamus Company

1028

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-DG55-SG100		7/20 1355				X													Laz Nat Discount
FORM-DG55-SG100		7/20 1355									X	X							
FORM-DG55-SG100		7/20 1355		X			X			X			X						

Etz Hayim Holdings

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 type="checkbox"/> Standard (5 day)							Client Alias:
<input checked="" 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: 76.3
							Shipped Via: Client
							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

Page 1 of 2



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



Report Number: 21-009134/D003.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

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: 21-009134/D004.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

Customer: Etz Hayim Holdings
Product identity: FORM-DG55-SG100
Client/Metric ID: .
Laboratory ID: 21-009134-0003

Sample Date: 07/20/21 13:55

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 [†]	9.08	56.75%	β-Myrcene [†]	4.72	29.50%
β-Caryophyllene [†]	1.89	11.81%	Humulene [†]	0.143	0.89%
α-Bisabolol [†]	0.0476	0.30%	(-)-caryophyllene oxide [†]	0.0461	0.29%
d-3-Carene [†]	0.0353	0.22%	α-Terpinene [†]	0.0204	0.13%
Total Terpenes[†]	16.0	100.00%			

Metals:

Less than LOQ for all analytes.



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



Report Number: 21-009134/D004.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

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

Product identity: FORM-DG55-SG100

Client/Metric ID: .

Sample Date: 07/20/21 13:55

Laboratory ID: 21-009134-0003

Evidence of Cooling: No

Temp: 26.3 °C

Relinquished by: T. Ashmore

Sample Results

Solvents		Method Residual Solvents by GC/MS				Units µg/g	Batch 2107096	Analyze 08/13/21 03:12 PM			
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-Dimethyl butane	< LOQ		30.0			2,2-Dimethylpropane	< 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		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	
Isopropyl benzene	< 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	



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



Report Number: 21-009134/D004.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2107154 Analyze 08/16/21 03:06 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							

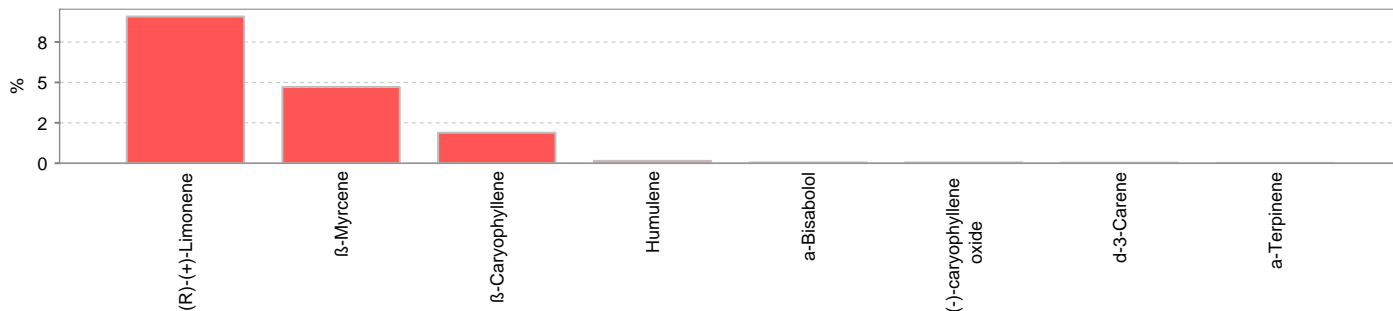


12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 21-009134/D004.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2107426	Analyze 08/19/21 12:34 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(R)-(+)-Limonene [†]	9.08	0.195	56.75%		β-Myrcene [†]	4.72	0.019	29.50%	
β-Caryophyllene [†]	1.89	0.019	11.81%		Humulene [†]	0.143	0.019	0.89%	
α-Bisabolol [†]	0.0476	0.019	0.30%		(-)-caryophyllene oxide [†]	0.0461	0.019	0.29%	
d-3-Carene [†]	0.0353	0.019	0.22%		α-Terpinene [†]	0.0204	0.019	0.13%	
Geraniol [†]	< LOQ	0.019	0.00%		farnesene [†]	< LOQ	0.019	0.00%	
Terpinolene [†]	< LOQ	0.019	0.00%		Sabinene [†]	< LOQ	0.019	0.00%	
p-Cymene [†]	< LOQ	0.019	0.00%		(-)-Guaiol [†]	< LOQ	0.019	0.00%	
Linalool [†]	< LOQ	0.019	0.00%		trans-β-Ocimene [†]	< LOQ	0.013	0.00%	
(-)-α-Terpineol [†]	< LOQ	0.019	0.00%		(+)-Pulegone [†]	< LOQ	0.019	0.00%	
Sabinene hydrate [†]	< LOQ	0.019	0.00%		(+)-Cedrol [†]	< LOQ	0.019	0.00%	
(-)-β-Pinene [†]	< LOQ	0.019	0.00%		α-pinene [†]	< LOQ	0.019	0.00%	
Menthol [†]	< LOQ	0.019	0.00%		(±)-trans-Nerolidol [†]	< LOQ	0.019	0.00%	
(+)-Borneol [†]	< LOQ	0.019	0.00%		(±)-fenchone [†]	< LOQ	0.019	0.00%	
(±)-Camphor [†]	< LOQ	0.019	0.00%		(-)-Isopulegol [†]	< LOQ	0.019	0.00%	
(+)-fenchol [†]	< LOQ	0.019	0.00%		(±)-cis-Nerolidol [†]	< LOQ	0.019	0.00%	
α-cedrene [†]	< LOQ	0.019	0.00%		α-phellandrene [†]	< LOQ	0.019	0.00%	
Camphene [†]	< LOQ	0.019	0.00%		cis-β-Ocimene [†]	< LOQ	0.006	0.00%	
Eucalyptol [†]	< LOQ	0.019	0.00%		γ-Terpinene [†]	< LOQ	0.019	0.00%	
Geranyl acetate [†]	< LOQ	0.019	0.00%		Isoborneol [†]	< LOQ	0.019	0.00%	
nerol [†]	< LOQ	0.019	0.00%		valencene [†]	< LOQ	0.019	0.00%	
Total Terpenes	16.0								



Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ		mg/kg	0.0489	2107448	08/19/21	AOAC 2013.06 (mod.)	X	
Cadmium	< LOQ		mg/kg	0.0489	2107448	08/19/21	AOAC 2013.06 (mod.)	X	
Lead	< LOQ		mg/kg	0.0489	2107448	08/19/21	AOAC 2013.06 (mod.)	X	
Mercury	< LOQ		mg/kg	0.0245	2107448	08/19/21	AOAC 2013.06 (mod.)	X	



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



Report Number: 21-009134/D004.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

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



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



Report Number: 21-009134/D004.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

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

Cannabis Chain of Custody Record

ETZHAYIM 21-009134



IS Labs
A Tentamus Company

1028

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-DG55-SG100		7/20 1355				X													Laz Nat Discount
FORM-DG55-SG100		7/20 1355									X	X							
FORM-DG55-SG100		7/20 1355		X			X			X			X						

Etz Hayim Holdings
Order Number: 1028
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 type="checkbox"/> Standard (5 day)							Client Alias:
<input checked="" 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: 76.3
							Shipped Via: Client
							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
Effective 01/31/2019 Revised 01/31/2019 Page 1 of 2

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.
Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410



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



Report Number: 21-009134/D004.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

Laboratory Quality Control Results

Residual Solvents		Batch ID: 2107096									
Method Blank	Laboratory Control Sample										
Analyte	Result	LQC	Notes	Result	Spike	Units	% Rec	Limits	Notes		
Propane	ND	< 200		6.0	595	µg/g	02.5	0	30		
Isobutane	ND	< 200		5	6	µg/g	94.0	0	30		
Butane	ND	< 200		04	6	µg/g	92.5	0	30		
2,2-Dimethylpropane	ND	< 200		040	955	µg/g	08.9	0	30		
Methanol	ND	< 200		320	6.0	µg/g	82.0	0	30		
Ethylene Oxide	ND	< 30		53.3	58.3	µg/g	9.4	0	30		
2-Methylbutane	ND	< 200		2.0	6.0	µg/g	5.2	0	30		
Pentane	ND	< 200		280	620	µg/g	9.0	0	30		
Ethanol	ND	< 200		380	6.0	µg/g	85	0	30		
Ethyl Ether	ND	< 200		460	6.0	µg/g	90	0	30		
2,2-Dimethylbutane	ND	< 30		4	2	µg/g	82.0	0	30		
Acetone	ND	< 200		350	600	µg/g	84.4	0	30		
2-Propanol	ND	< 200		390	620	µg/g	85.8	0	30		
Ethyl Formate	ND	< 500		330	6.0	µg/g	82.6	0	30		
Acetonitrile	ND	< 00		39	50	µg/g	9.2	0	30		
Methyl Acetate	ND	< 500		390	6.0	µg/g	86.3	0	30		
2,3-Dimethylbutane	ND	< 30		39	63	µg/g	85.3	0	30		
Dichloromethane	ND	< 60		426	483	µg/g	88.2	0	30		
2-Methylpentane	ND	< 30		52	64	µg/g	92	0	30		
M.BE	ND	< 500		550	600	µg/g	96.9	0	30		
3-Methylpentane	ND	< 30		52	64	µg/g	92	0	30		
Hexane	ND	< 30		53	63	µg/g	93.9	0	30		
1-Propanol	ND	< 500		260	620	µg/g	8	0	30		
Methyl ethyl ketone	ND	< 500		3.0	6.0	µg/g	8.4	0	30		
Ethyl acetate	ND	< 200		450	6.0	µg/g	90	0	30		
2-Butanol	ND	< 200		350	620	µg/g	83.3	0	30		
tetrahydrofuran	ND	< 00		430	500	µg/g	86.0	0	30		
Cyclohexane	ND	< 200		3.0	6.0	µg/g	85	0	30		
2-methyl propanol	ND	< 500		250	6.0	µg/g	6	0	30		
Benzene	ND	<		4.9	5.42	µg/g	9	0	30		
Isopropyl Acetate	ND	< 200		320	600	µg/g	82.5	0	30		
Heptane	ND	< 200		340	600	µg/g	83.8	0	30		
Butanol	ND	< 500		0.0	620	µg/g	62.3	0	30	06	
Propyl Acetate	ND	< 500		320	6.0	µg/g	82.0	0	30		
1,4-Dioxane	ND	< 00		492	490	µg/g	00.4	0	30		
2-Ethoxy ethanol	ND	< 30		55	63	µg/g	95	0	30		
Methylisobutylketone	ND	< 500		2.0	620	µg/g	8.4	0	30		
3-Methyl butanol	ND	< 500		60	6.0	µg/g	2.0	0	30		
Ethylene Glycol	ND	< 200		3.9	484	µg/g	8.3	0	30		
oluene	ND	< 200		530	482	µg/g	0.0	0	30		
Isobutyl Acetate	ND	< 500		320	620	µg/g	8.5	0	30		
Pentanol	ND	< 500		50	620	µg/g	0	0	30		
Butyl Acetate	ND	< 500		290	620	µg/g	9.6	0	30		
Ethylbenzene	ND	< 200		0.0	9.0	µg/g	0.3	0	30		
m,p-Xylene	ND	< 200		886	99	µg/g	89.4	0	30		
o-Xylene	ND	< 200		800	96	µg/g	82	0	30		
Cumene	ND	< 30		5	69	µg/g	92.9	0	30		
Anisole	ND	< 500		680	640	µg/g	02.4	0	30		
DMSO	ND	< 500		2080	620	µg/g	28.4	0	30		
2-dimethoxyethane	ND	< 50		2	62	µg/g	8.4	0	30		
Diethylamine	ND	< 500		2.0	6.0	µg/g	5.2	0	30		
N,N-dimethylformamide	ND	< 50		269	48	µg/g	55.2	0	30	06	
N,N-dimethylacetamide	ND	< 50		500	492	µg/g	0.6	0	30		
Pyridine	ND	< 50		9	65	µg/g	2	0	30		
1,1-dichloroethane	ND	<		0.969		µg/g	96.9	0	30		
Chloroform	ND	<		04		µg/g	04.0	0	30		
1,2-Dichloroethane	ND	<		22		µg/g	22.0	0	30		



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



Report Number: 21-009134/D004.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

QC- Sample Duplicate Sample ID: 21-008466-0001

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	00	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	
1,4 BE	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	
2 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	
etrahydrofuran	ND	ND	00	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	
1 Dioxane	ND	ND	00	µg/g	0.0	< 20	Acceptable	
2 Ethox ethanol	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	
olluene	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	
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	
2 dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
riethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N dimethylformam de	ND	ND	50	µg/g	0.0	< 20	Acceptable	
N,N dimethylacetam de	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	
richloroeth lene	ND	ND	µg/g	0.0	< 20	Acceptable		
Chloroform	ND	ND	µg/g	0.0	< 20	Acceptable		
2 Dichloroethane	ND	ND	µg/g	0.0	< 20	Acceptable		

Abbreviations

- ND None Detected at or above MRL
- RPD Relative Percent Difference
- LOQ Limit of Quantitation
- Q Quality control result biased high Only non detect samples reported
- Q2 Quality control outside QC limits Data considered estimate
- Q6 Quality control outside QC limits Data acceptable based on remaining QC

Units of Measure:

µg/g Microgram per gram or ppm



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

Report Number: 21-009134/D004.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00



Revision: 1.00 Control: CFL-C21
 Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 2107154				
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	0.000	< 0.250		1.120	1.000	112.0	69.1 - 128	
Acequinocyl	0.000	< 1.000		4.944	4.000	123.6	69.0 - 128	
Acetamiprid	0.000	< 0.100		0.421	0.400	105.2	70.0 - 130	
Aldicarb	0.000	< 0.200		0.908	0.800	113.5	73.2 - 136	
Abamectin	0.000	< 0.250		1.053	1.000	105.3	70.0 - 130	
Azoxystrobin	0.000	< 0.100		0.413	0.400	103.3	69.1 - 128	
Bifenazate	0.000	< 0.100		0.537	0.400	134.3	73.4 - 136	
Bifenthrin	0.000	< 0.100		0.426	0.400	106.6	69.3 - 129	
Boscalid	0.000	< 0.200		0.804	0.800	100.6	69.4 - 129	
Carbaryl	0.000	< 0.100		0.389	0.400	97.2	69.3 - 129	
Carbofuran	0.020	< 0.100		0.395	0.400	98.8	70.3 - 131	
Chlorantraniliprol	0.000	< 0.100		0.418	0.400	104.4	70.3 - 130	
Chlorfenapyr	0.000	< 0.500		2.392	2.000	119.6	69.7 - 129	
Chlorpyrifos	0.000	< 0.100		0.432	0.400	108.0	68.1 - 126	
Clofentezine	0.000	< 0.100		0.431	0.400	107.7	69.2 - 129	
Cyfluthrin	0.000	< 0.500		1.912	2.000	95.6	70.5 - 131	
Cypermethrin	0.000	< 0.500		2.057	2.000	102.8	70.1 - 130	
Daminozide	0.086	< 0.500		2.064	2.000	103.2	71.2 - 132	
Diazinon	0.000	< 0.100		0.402	0.400	100.4	69.1 - 128	
Dichlorvos	0.000	< 0.500		1.941	2.000	97.0	67.5 - 125	
Dimethoat	0.000	< 0.100		0.422	0.400	105.6	69.8 - 130	
Ethoprophos	0.000	< 0.100		0.409	0.400	102.2	68.8 - 128	
Etofenprox	0.000	< 0.200		0.581	0.800	72.7	69.9 - 130	
Etoxazol	0.000	< 0.100		0.460	0.400	114.9	69.3 - 129	
Fenoxycarb	0.000	< 0.100		0.442	0.400	110.4	69.1 - 128	
Fenpyroximat	0.000	< 0.200		0.801	0.800	100.1	69.7 - 130	
Fipronil	0.000	< 0.200		0.870	0.800	108.8	70.9 - 132	
Flonicamid	0.000	< 0.250		1.024	1.000	102.4	69.9 - 130	
Fludoxonil	0.000	< 0.200		0.897	0.800	112.1	71.3 - 132	
Hexythiazox	0.000	< 0.250		0.948	1.000	94.8	68.2 - 127	
Imazalil	0.000	< 0.100		0.480	0.400	119.9	71.4 - 133	
Imidacloprid	0.000	< 0.200		0.842	0.800	105.2	68.9 - 128	
Kresoxim-Methyl	0.000	< 0.200		0.841	0.800	105.1	69.4 - 129	
Malathion	0.000	< 0.100		0.415	0.400	103.6	69.0 - 128	
Metaxalyl	0.000	< 0.100		0.446	0.400	111.5	69.6 - 129	
Methiocarb	0.000	< 0.100		0.459	0.400	114.9	69.4 - 129	
Methomyl	0.000	< 0.200		0.729	0.800	91.2	69.3 - 129	
MGK 264	0.000	< 0.100		0.417	0.400	104.3	68.8 - 128	
Myclobutanil	0.000	< 0.100		0.406	0.400	101.4	69.4 - 129	
Naled	0.000	< 0.250		1.174	1.000	117.4	70.9 - 132	
Oxamyl	0.000	< 0.500		2.120	2.000	106.0	70.1 - 130	
Paclobutrazol	0.000	< 0.200		0.821	0.800	102.6	70.0 - 130	
Parathion Methyl	0.000	< 0.200		0.732	0.800	91.5	71.3 - 132	
Permethrin	0.000	< 0.100		0.382	0.400	95.5	69.0 - 128	
Phosmet	0.000	< 0.100		0.429	0.400	107.2	69.0 - 128	
Piperonyl butoxide	0.000	< 0.500		1.798	2.000	89.9	69.6 - 129	
Prallethrin	0.000	< 0.100		0.436	0.400	109.0	69.8 - 130	
Propiconazole	0.000	< 0.200		0.831	0.800	103.9	69.4 - 129	
Propoxur	0.011	< 0.100		0.415	0.400	103.8	68.8 - 128	
Pyrethrins	0.000	< 0.100		0.466	0.413	112.7	67.9 - 126	
Pyridaben	0.000	< 0.100		0.411	0.400	102.7	68.8 - 128	
Spinosad	0.000	< 0.100		0.425	0.388	109.5	71.9 - 133	
Spiromesifen	0.000	< 0.100		0.426	0.400	106.6	70.2 - 130	
Spirotetramat	0.000	< 0.100		0.425	0.400	106.3	69.6 - 129	
Spiroxamine	0.000	< 0.200		0.825	0.800	103.2	67.9 - 126	
Tebuconazol	0.000	< 0.200		0.860	0.800	107.5	69.2 - 129	
Thiadoprid	0.000	< 0.100		0.412	0.400	102.9	69.2 - 128	
Thiamethoxam	0.000	< 0.100		0.393	0.400	98.2	69.3 - 129	
Trifloxystrobin	0.000	< 0.100		0.490	0.400	122.6	69.3 - 129	



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



Report Number: 21-009134/D004.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

Revision: 1.00 Control: CFL-C21
Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg						Batch ID: 2107154		
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 21-008483-0001								
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	1.120	1.119	1.000	0.2%	< 30	112.0%	111.9%	50 - 150	
Acequinocyl	0.000	5.372	4.315	4.000	21.8%	< 30	134.3%	107.9%	50 - 150	
Acetamiprid	0.000	0.423	0.439	0.400	3.7%	< 30	105.8%	109.9%	50 - 150	
Aldicarb	0.000	0.988	2.202	0.800	76.1%	< 30	123.5%	275.2%	50 - 150	R, Q1
Abamectin	0.000	1.194	1.159	1.000	3.0%	< 30	119.4%	115.9%	50 - 150	
Azoxystrobin	0.056	0.448	0.445	0.400	0.6%	< 30	97.9%	97.3%	50 - 150	
Bifenazate	0.000	0.556	0.533	0.400	4.3%	< 30	139.1%	133.3%	50 - 150	
Bifenthrin	0.000	0.363	0.383	0.400	5.3%	< 30	90.8%	95.7%	50 - 150	
Boscalid	0.000	0.914	0.930	0.800	1.7%	< 30	114.3%	116.2%	50 - 150	
Carbaryl	0.000	0.409	0.402	0.400	1.7%	< 30	102.3%	100.5%	50 - 150	
Carbofuran	0.000	0.391	0.426	0.400	8.8%	< 30	97.6%	106.6%	50 - 150	
Chlorantraniliprol	0.000	0.419	0.444	0.400	5.7%	< 30	104.8%	110.9%	50 - 150	
Chlorfenapyr	0.000	1.883	1.734	2.000	8.2%	< 30	94.1%	86.7%	50 - 150	
Chlorpyrifos	0.026	0.240	0.227	0.400	6.2%	< 30	53.5%	50.3%	50 - 150	
Clofentezine	0.000	0.349	0.369	0.400	5.7%	< 30	87.1%	92.2%	50 - 150	
Cyfluthrin	0.000	1.434	1.586	2.000	10.1%	< 30	71.7%	79.3%	30 - 150	
Cypermethrin	0.000	1.820	1.725	2.000	5.3%	< 30	91.0%	86.3%	50 - 150	
Daminozide	0.060	2.097	2.233	2.000	6.5%	< 30	101.9%	108.7%	30 - 150	
Diazinon	0.000	0.404	0.419	0.400	3.6%	< 30	101.1%	104.8%	50 - 150	
Dichlorvos	0.000	1.924	2.014	2.000	4.6%	< 30	96.2%	100.7%	50 - 150	
Dimethoat	0.000	0.433	0.440	0.400	1.6%	< 30	108.3%	110.0%	50 - 150	
Ethoprophos	0.002	0.539	0.446	0.400	18.9%	< 30	134.3%	111.2%	50 - 150	
Etofenprox	0.000	0.464	0.576	0.800	21.5%	< 30	58.0%	72.0%	50 - 150	
Etoxazol	0.000	0.380	0.407	0.400	6.7%	< 30	95.1%	101.7%	50 - 150	
Fenoxycarb	0.000	0.444	0.415	0.400	6.8%	< 30	111.0%	103.7%	50 - 150	
Fenpyroximat	0.017	0.939	0.882	0.800	6.3%	< 30	115.3%	108.2%	50 - 150	
Fipronil	0.000	0.612	0.612	0.800	0.1%	< 30	76.5%	76.5%	50 - 150	
Fonicamid	0.000	1.115	1.081	1.000	3.1%	< 30	111.5%	108.1%	50 - 150	
Fludioxonil	0.000	0.882	0.974	0.800	10.0%	< 30	110.2%	121.8%	50 - 150	
Hexythiazox	0.000	0.214	0.239	1.000	11.1%	< 30	21.4%	23.9%	50 - 150	Q
Imazalil	0.398	0.856	0.962	0.400	20.9%	< 30	114.3%	141.0%	50 - 150	
Imidacloprid	0.000	0.870	0.860	0.800	1.1%	< 30	108.7%	107.5%	50 - 150	
Kresoxim-Methyl	0.000	0.844	0.888	0.800	5.1%	< 30	105.5%	111.0%	50 - 150	
Malathion	0.000	0.438	0.468	0.400	6.5%	< 30	109.6%	117.0%	50 - 150	
Metaxalyl	0.000	0.424	0.452	0.400	6.3%	< 30	106.1%	113.0%	50 - 150	
Methiocarb	0.000	0.432	0.477	0.400	10.0%	< 30	107.9%	119.3%	50 - 150	
Methomyl	0.000	0.861	0.875	0.800	1.5%	< 30	107.6%	109.3%	50 - 150	
MGK 264	0.000	0.251	0.222	0.400	12.0%	< 30	62.7%	55.6%	50 - 150	
Myclobutanil	0.000	0.426	0.422	0.400	1.0%	< 30	106.6%	105.6%	50 - 150	
Naled	0.000	0.981	0.996	1.000	1.6%	< 30	98.1%	99.6%	50 - 150	
Oxamyl	0.000	2.250	2.208	2.000	1.9%	< 30	112.5%	110.4%	50 - 150	
Paclobutrazol	0.000	0.831	0.877	0.800	5.3%	< 30	103.9%	109.6%	50 - 150	
Parathion Methyl	0.000	0.654	1.007	0.800	42.6%	< 30	81.7%	125.9%	30 - 150	R
Permethrin	0.000	0.409	0.443	0.400	7.9%	< 30	102.3%	110.6%	50 - 150	
Phosmet	0.000	0.419	0.455	0.400	8.3%	< 30	104.8%	113.9%	50 - 150	
Piperonyl butoxide	0.000	1.922	2.372	2.000	21.0%	< 30	96.1%	118.6%	50 - 150	
Prallethrin	0.020	0.327	0.303	0.400	8.2%	< 30	76.9%	70.8%	50 - 150	
Propiconazole	0.050	0.848	0.908	0.800	7.3%	< 30	99.7%	107.3%	50 - 150	
Propoxur	0.013	0.405	0.420	0.400	3.8%	< 30	98.1%	101.8%	50 - 150	
Pyrethrins	0.005	0.447	0.456	0.413	1.9%	< 30	107.1%	109.2%	50 - 150	
Pyridaben	0.000	0.300	0.241	0.400	21.5%	< 30	74.9%	60.4%	50 - 150	
Spinosad	0.000	0.419	0.435	0.388	3.7%	< 30	108.1%	112.1%	50 - 150	
Spiromesifen	0.000	0.395	0.405	0.400	2.7%	< 30	98.6%	101.3%	50 - 150	
Spirotetramat	0.000	0.480	0.481	0.400	0.1%	< 30	120.1%	120.1%	50 - 150	
Spiroxamine	0.000	0.895	0.903	0.800	0.9%	< 30	111.8%	112.8%	50 - 150	
Tebuconazol	0.000	0.887	0.852	0.800	4.0%	< 30	110.8%	106.5%	50 - 150	
Thiadoprid	0.000	0.412	0.479	0.400	15.1%	< 30	103.0%	119.7%	50 - 150	
Thiamethoxam	0.000	0.436	0.450	0.400	3.0%	< 30	109.1%	112.4%	50 - 150	
Trifloxystrobin	0.000	0.407	0.403	0.400	1.1%	< 30	101.8%	100.6%	50 - 150	



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



Report Number: 21-009134/D004.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

Terpenes Quality Control Results

Method Reference: EPA5035 Batch ID: 2107426

Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS% Rec	Limits	Notes
a-pinene	<LOQ	< 200		584	500	µg/g	117%	70 - 130	
Camphene	<LOQ	< 200		555	500	µg/g	111%	70 - 130	
Sabinene	<LOQ	< 200		462	500	µg/g	92%	70 - 130	
b-Pinene	<LOQ	< 200		492	500	µg/g	98%	70 - 130	
b-Myrcene	<LOQ	< 200		548	500	µg/g	110%	70 - 130	
a-phellandrene	<LOQ	< 200		580	500	µg/g	116%	70 - 130	
d-3-Carene	<LOQ	< 200		631	500	µg/g	126%	70 - 130	
a-Terpinene	<LOQ	< 200		530	500	µg/g	106%	70 - 130	
p-Cymene	<LOQ	< 200		562	500	µg/g	112%	70 - 130	
D-Limonene	<LOQ	< 200		445	500	µg/g	89%	70 - 130	
Eucalyptol	<LOQ	< 200		590	500	µg/g	118%	70 - 130	
b-cis-Cimene	<LOQ	< 67		198	167	µg/g	119%	70 - 130	
b-trans-Cimene	<LOQ	< 133		389	333	µg/g	117%	70 - 130	
g-Terpinene	<LOQ	< 200		453	500	µg/g	91%	70 - 130	
Sabinene_Hydrate	<LOQ	< 200		464	500	µg/g	93%	70 - 130	
Terpinolene	<LOQ	< 200		426	500	µg/g	85%	70 - 130	
D-Fenchone	<LOQ	< 200		472	500	µg/g	94%	70 - 130	
Linalool	<LOQ	< 200		595	500	µg/g	119%	70 - 130	
Fenchol	<LOQ	< 200		473	500	µg/g	95%	70 - 130	
Camphor	<LOQ	< 200		558	500	µg/g	112%	70 - 130	
Isopulego	<LOQ	< 200		558	500	µg/g	112%	70 - 130	
Isoborneol	<LOQ	< 200		572	500	µg/g	114%	70 - 130	
Borneol	<LOQ	< 200		471	500	µg/g	94%	70 - 130	
DL-Menthol	<LOQ	< 200		578	500	µg/g	116%	70 - 130	
Terpineol	<LOQ	< 200		418	500	µg/g	84%	70 - 130	
Nerd	<LOQ	< 200		565	500	µg/g	113%	70 - 130	
Pulegone	<LOQ	< 200		551	500	µg/g	110%	70 - 130	
Geraniol	<LOQ	< 200		438	500	µg/g	88%	70 - 130	
Geranyl_Acetate	<LOQ	< 200		558	500	µg/g	112%	70 - 130	
a-Cedrene	<LOQ	< 200		473	500	µg/g	95%	70 - 130	
b-Caryophyllene	<LOQ	< 200		456	500	µg/g	91%	70 - 130	
a-Humulene	<LOQ	< 200		397	500	µg/g	79%	70 - 130	
Valenene	<LOQ	< 200		500	500	µg/g	100%	70 - 130	
cis-Nerolidol	<LOQ	< 200		586	500	µg/g	117%	70 - 130	
a-Farnesene	<LOQ	< 200		545	500	µg/g	109%	70 - 130	
trans-Nerolidol	<LOQ	< 200		457	500	µg/g	91%	70 - 130	
Caryophyllene_Oxide	<LOQ	< 200		623	500	µg/g	125%	70 - 130	
Quaiol	<LOQ	< 200		506	500	µg/g	101%	70 - 130	
Cedrol	<LOQ	< 200		556	500	µg/g	111%	70 - 130	
a-Bisabolol	<LOQ	< 200		555	500	µg/g	111%	70 - 130	

Definitions

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



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



Report Number: 21-009134/D004.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

Terpenes Quality Control Results

Method Reference: EPA5035		Batch ID: 2107426					
Sample/ Sample Duplicate		Sample ID: 21-009134-003					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	<LOQ	<LOQ	195	µg/g	0%	< 20	
Camphene	<LOQ	<LOQ	195	µg/g	0%	< 20	
Sabinene	<LOQ	<LOQ	195	µg/g	0%	< 20	
b-Pinene	<LOQ	<LOQ	195	µg/g	0%	< 20	
b-Myrcene	46100	47200	195	µg/g	2%	< 20	
a-phellandrene	<LOQ	<LOQ	195	µg/g	0%	< 20	
d-3-Carene	361	353	195	µg/g	2%	< 20	
a-Terpinene	209	204	195	µg/g	2%	< 20	
p-Cymene	<LOQ	<LOQ	195	µg/g	0%	< 20	
D-Limonene	90300	92500	195	µg/g	2%	< 20	
Eucalyptol	<LOQ	<LOQ	195	µg/g	0%	< 20	
b-cis-Cimene	<LOQ	<LOQ	65.1	µg/g	0%	< 20	
b-trans-Cimene	<LOQ	<LOQ	130	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	195	µg/g	0%	< 20	
Sabinene Hydrate	<LOQ	<LOQ	195	µg/g	0%	< 20	
Terpinolene	<LOQ	<LOQ	195	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	195	µg/g	0%	< 20	
Linalool	<LOQ	<LOQ	195	µg/g	0%	< 20	
Fenchol	<LOQ	<LOQ	195	µg/g	0%	< 20	
Camphor	<LOQ	<LOQ	195	µg/g	0%	< 20	
Isopulego	<LOQ	<LOQ	195	µg/g	0%	< 20	
Isoborneol	<LOQ	<LOQ	195	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	195	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	195	µg/g	0%	< 20	
Terpineol	<LOQ	<LOQ	195	µg/g	0%	< 20	
Nerd	<LOQ	<LOQ	195	µg/g	0%	< 20	
Pulegone	<LOQ	<LOQ	195	µg/g	0%	< 20	
Geraniol	<LOQ	<LOQ	195	µg/g	0%	< 20	
Geranyl Acetate	<LOQ	<LOQ	195	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	195	µg/g	0%	< 20	
b-Caryophyllene	18900	18900	195	µg/g	0%	< 20	
a-Humulene	1420	1430	195	µg/g	1%	< 20	
Valene	<LOQ	<LOQ	195	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	195	µg/g	0%	< 20	
a-Farnesene	<LOQ	<LOQ	195	µg/g	0%	< 20	
trans-Nerolidol	<LOQ	<LOQ	195	µg/g	0%	< 20	
Caryophyllene Oxide	462	461	195	µg/g	0%	< 20	
Guaiol	<LOQ	<LOQ	195	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	195	µg/g	0%	< 20	
a-Bisabolol	475	476	195	µg/g	0%	< 20	

Definitions

RPD Relative Percent Difference



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



Report Number: 21-009134/D004.R000
Report Date: 08/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/09/21 16:00

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.