

CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU	BATCH #	NR: Not Reported NA: Not Available 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	SERVING SIZE	
LABORATORY: COLUMBIA LABORATORIES	OREGON ACCREDITATION: OR100028	

POTENCY	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Cannabidiol (CBD)	mg/serving	mg/g	N/A
Total THC (d9-THC, THCA)	mg/serving	mg/g	3 mg/g
Cannabigerol (CBG)	mg/serving	mg/g	N/A
Cannabinol (CBN)	mg/serving	mg/g	N/A
Cannabichromene (CBC)	mg/serving	mg/g	N/A
Tetrahydrocannabinolic Acid (THCA)	mg/serving	mg/g	N/A
Delta-9-THC (d9-THC)	mg/serving	mg/g	N/A
Delta-8-THC (d8-THC)	mg/serving	mg/g	N/A

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

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

RESIDUAL SOLVENTS
Ethylene Oxide - Pass -None of the other 35 residual solvents tested found above limit of quantitation in the sample.

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

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: 21-004742/D02.R00
Report Date: 05/04/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

Customer: Etz Hayim Holdings
Product identity: FORM-DD71-TN.FS.SAL20
Client/Metric ID: .
Laboratory ID: 21-004742-0001

Sample Date: 04/28/21 16:30

Summary

Potency:

Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml [†]	0.861		mg/1ml		CBD-Total per 1ml 19.9 mg/1ml
CBD per 1ml	19.9		mg/1ml		
CBDV per 1ml [†]	0.0956		mg/1ml		THC-Total per 1ml 0.767 mg/1ml
CBG per 1ml [†]	0.416		mg/1ml		
Δ9-THC per 1ml	0.767		mg/1ml		(Reported in milligrams per serving)



12423 NE Whitaker Way
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Report Number: 21-004742/D02.R00
Report Date: 05/04/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

Customer: Etz Hayim Holdings
16427 NE Airport Way
PORTLAND 97230
United States of America (USA)
Product identity: FORM-DD71-TN.FS.SAL20
Client/Metric ID: .
Sample Date: 04/28/21 16:30
Laboratory ID: 21-004742-0001
Evidence of Cooling: No
Temp: 16.9 °C
Serving Size #1: 0.91 g
Density: 0.9100 g/ml

Sample Results

Potency per 1ml	Method J AOAC 2015 V98-6 (mod)Units mg/se			Batch: 2103983	Analyze: 5/3/21	10:26:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 1ml†	0.861		mg/1ml	0.0285		
CBC-A per 1ml†	< LOQ		mg/1ml	0.0285		
CBC-Total per 1ml†	0.861		mg/1ml	0.0536		
CBD per 1ml	19.9		mg/1ml	0.285		
CBD-A per 1ml	< LOQ		mg/1ml	0.0285		
CBD-Total per 1ml	19.9		mg/1ml	0.310		
CBDV per 1ml†	0.0956		mg/1ml	0.0285		
CBDV-A per 1ml†	< LOQ		mg/1ml	0.0285		
CBDV-Total per 1ml†	0.0956		mg/1ml	0.0533		
CBG per 1ml†	0.416		mg/1ml	0.0285		
CBG-A per 1ml†	< LOQ		mg/1ml	0.0285		
CBG-Total per 1ml†	0.416		mg/1ml	0.0533		
CBL per 1ml†	< LOQ		mg/1ml	0.0285		
CBN per 1ml	< LOQ		mg/1ml	0.0285		
Δ8-THC per 1ml†	< LOQ		mg/1ml	0.0285		
Δ9-THC per 1ml	0.767		mg/1ml	0.0285		
THC-A per 1ml	< LOQ		mg/1ml	0.0285		
THC-Total per 1ml	0.767		mg/1ml	0.0536		
THCV per 1ml†	< LOQ		mg/1ml	0.0285		
THCV-A per 1ml†	< LOQ		mg/1ml	0.0285		
THCV-Total per 1ml†	< LOQ		mg/1ml	0.0536		



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Received: 04/28/21 16:55

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 = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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



Report Number: 21-004742/D02.R00
Report Date: 05/04/2021
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Purchase Order:
Received: 04/28/21 16:55

21-004742



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

Cannabis Chain of Custody Record

ORELAP ID: OR100028

Company: ETZHH INC			Analysis Requested													Purchase Order Number:		
Contact: Tyler Ashmore			Order of operations: potency assay first, if result falls within acceptable range, then proceed with all other remaining tests. Use freezer sample prep for all balms.													Project Number:		
Address: 16427 NE Airport Way																Project Name:		
Email: testing@lazarusnaturals.com																Report Instructions:		
Phone: 360-921-4247 Fax:																Send to State - METRC		
Processor's License:																Email Final Results:		
																Fax Final Results		
																Cash/Check/CC/Net 30		
																Other:		
Field ID	Date/Time Collected		Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Matrix	Weight	Serving size for edibles	Comments/Metrc ID
1 FORM-DD71-TN.FS.SAL20	4/28 1630				X										fine			Laz Nat Discount
2 FORM-DD71-TN.FS.SAL20	4/28 1630									X	X				fine			
3 FORM-DD71-TN.FS.SAL20	4/28 1630	X			X							X			fine			

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)	Tyler Ashmore	4/28/2021		Jmu	4-28-21	16:55	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: 16.9
							Shipped Via: Cheet
							Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM

Revision: 1.02 Control#: CF023
Effective 01/31/2019 Revised 01/31/2019

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Page 1 of 2

5/4/21/21



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



Report Number: 21-004742/D02.R00
Report Date: 05/04/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

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

Laboratory Quality Control Results

J AOAC 2015 V98-6				Batch ID: 2103983					
Laboratory Control Sample									
Analyte	Result	Spike	Units	% Rec	Limits			Evaluation	Notes
CBDV-A	0.00943	0.01	%	94.3	85.0	-	115	Acceptable	
CBDV	0.00974	0.01	%	97.4	85.0	-	115	Acceptable	
CBD-A	0.00966	0.01	%	96.6	85.0	-	115	Acceptable	
CBG-A	0.00945	0.01	%	94.5	85.0	-	115	Acceptable	
CBG	0.00977	0.01	%	97.7	85.0	-	115	Acceptable	
CBD	0.0112	0.01	%	112	85.0	-	115	Acceptable	
THCV	0.00958	0.01	%	95.8	85.0	-	115	Acceptable	
THCVA	0.00921	0.01	%	92.1	85.0	-	115	Acceptable	
CBN	0.0105	0.01	%	105	85.0	-	115	Acceptable	
THC	0.0103	0.01	%	103	85.0	-	115	Acceptable	
D8THC	0.00965	0.01	%	96.5	85.0	-	115	Acceptable	
CBL	0.00874	0.01	%	87.4	85.0	-	115	Acceptable	
CBC	0.0101	0.01	%	101	85.0	-	115	Acceptable	
THCA	0.00966	0.01	%	96.6	85.0	-	115	Acceptable	
CBCA	0.00938	0.01	%	93.8	85.0	-	115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes	
CBDV-A	<LOQ	0.003	%	< 0.003	Acceptable		
CBDV	<LOQ	0.003	%	< 0.003	Acceptable		
CBD-A	<LOQ	0.003	%	< 0.003	Acceptable		
CBG-A	<LOQ	0.003	%	< 0.003	Acceptable		
CBG	<LOQ	0.003	%	< 0.003	Acceptable		
CBD	<LOQ	0.003	%	< 0.003	Acceptable		
THCV	<LOQ	0.003	%	< 0.003	Acceptable		
THCVA	<LOQ	0.003	%	< 0.003	Acceptable		
CBN	<LOQ	0.003	%	< 0.003	Acceptable		
THC	<LOQ	0.003	%	< 0.003	Acceptable		
D8THC	<LOQ	0.003	%	< 0.003	Acceptable		
CBL	<LOQ	0.003	%	< 0.003	Acceptable		
CBC	<LOQ	0.003	%	< 0.003	Acceptable		
THCA	<LOQ	0.003	%	< 0.003	Acceptable		
CBCA	<LOQ	0.003	%	< 0.003	Acceptable		

Abbreviations

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

Units of Measure:

% - Percent



12423 NE Whitaker Way
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503-254-1794



Report Number: 21-004742/D02.R00
Report Date: 05/04/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

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

Laboratory Quality Control Results

J AOAC 2015 V98-6					Batch ID: 2103983			
Sample Duplicate					Sample ID: 21-004753-0001			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	0.0909	0.104	0.003	%	13.4	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	

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



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



Report Number: 21-004742/D02.R00
Report Date: 05/04/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

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: 21-004742/D04.R00
Report Date: 05/10/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

Customer: Etz Hayim Holdings
Product identity: FORM-DD71-TN.FS.SAL20
Client/Metric ID: .
Laboratory ID: 21-004742-0002

Sample Date: 04/28/21 16:30

Summary

Microbiology:

Less than LOQ for all analytes.



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



Report Number: 21-004742/D04.R00
Report Date: 05/10/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

Customer: Etz Hayim Holdings
16427 NE Airport Way
PORTLAND 97230
United States of America (USA)
Product identity: FORM-DD71-TN.FS.SAL20
Client/Metric ID: .
Sample Date: 04/28/21 16:30
Laboratory ID: 21-004742-0002
Evidence of Cooling: No
Temp: 16.9 °C

Sample Results

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	2103881	05/02/21	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	2103881	05/02/21	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2103882	05/02/21	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2103882	05/02/21	AOAC 2014.05 (RAPID)	X



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Report Number: 21-004742/D04.R00
Report Date: 05/10/2021
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Purchase Order:
Received: 04/28/21 16:55

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 = 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: 21-004742/D04.R00
Report Date: 05/10/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

21-004742



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

Cannabis Chain of Custody Record

ORELAP ID: OR100028

Company: ETZHH INC			Analysis Requested													Purchase Order Number:		
Contact: Tyler Ashmore			<div>Order of operations: potency assay first, if result falls within acceptable range, then proceed with all other remaining tests.</div> <div>Use freezer sample prep for all balms.</div>													Project Number:		
Address: 16427 NE Airport Way																Project Name:		
Email: testing@lazarusnaturals.com																Report Instructions:		
Phone: 360-921-4247 Fax:																Send to State - METRC		
Processor's License:																Email Final Results:		
			Fax Final Results															
			Cash/Check/CC/Net 30															
			Other:															
Field ID	Date/Time Collected		Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Matrix	Weight	Serving size for edibles	Comments/Metrc ID
1 FORM-DD71-TN.FS.SAL20	4/28 1630				X										fine			Laz Nat Discount
2 FORM-DD71-TN.FS.SAL20	4/28 1630									X	X				fine			
3 FORM-DD71-TN.FS.SAL20	4/28 1630	X			X							X			fine			

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)	Tyler Ashmore	4/28/2021		<i>Jmu</i>	4-28-21	16:55	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: 16.9
							Shipped Via: <i>Exped</i>
							Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM

Revision: 1.02 Control#: CF023
Effective 01/31/2019 Revised 01/31/2019

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Page 1 of 2
5/4/29/21



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



Report Number: 21-004742/D04.R00
Report Date: 05/10/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

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



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



Report Number: 21-004742/D03.R00
Report Date: 05/10/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

Customer: Etz Hayim Holdings
Product identity: FORM-DD71-TN.FS.SAL20
Client/Metric ID: .
Laboratory ID: 21-004742-0003

Sample Date: 04/28/21 16:30

Summary

Residual Solvents:

Analyte	Result (µg/g)	Limits (µg/g)	Status
Ethylene oxide	48.2	50.0	pass

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.



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



Report Number: 21-004742/D03.R00
Report Date: 05/10/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

Customer: Etz Hayim Holdings
16427 NE Airport Way
PORTLAND 97230
United States of America (USA)
Product identity: FORM-DD71-TN.FS.SAL20
Client/Metric ID: .
Sample Date: 04/28/21 16:30
Laboratory ID: 21-004742-0003
Evidence of Cooling: No
Temp: 16.9 °C

Sample Results

Solvents						Method Residual Solvents by GC/MS						Units µg/g				Batch 2104086				Analyze 05/06/21 03:05 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes	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-Methylbutane	< LOQ		200			2-Propanol (IPA)	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200			3-Methylpentane	< LOQ		30.0		
2-Methylpentane	< LOQ		30.0			Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass		Butanes (sum)	< LOQ	5000	400	pass	
2,2-Dimethylbutane	< LOQ		30.0			Benzene	< LOQ	2.00	1.00	pass		Ethanol ⁱ	< LOQ		200			Ethyl benzene	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			Cyclohexane	< LOQ	3880	200	pass		Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	48.2	50.0	20.0	pass	
Acetone	< LOQ	5000	200	pass		Ethyl acetate	< LOQ	5000	200	pass		Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Benzene	< LOQ	2.00	1.00	pass		Ethyl ether	< LOQ	5000	200	pass		Isopropylbenzene	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Cyclohexane	< LOQ	3880	200	pass		Ethylene oxide	48.2	50.0	20.0	pass		Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass	
Ethyl acetate	< LOQ	5000	200	pass		Isopropyl acetate	< LOQ	5000	200	pass		Methylpropane	< LOQ		200			n-Butane	< LOQ		200		
Ethyl ether	< LOQ	5000	200	pass		m,p-Xylene	< LOQ		200			n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0		
Ethylene oxide	48.2	50.0	20.0	pass		Methylene chloride	< LOQ	600	60.0	pass		n-Pentane	< LOQ		200			o-Xylene	< LOQ		200		
Isopropyl acetate	< LOQ	5000	200	pass		n-Butane	< LOQ		200			Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass	
m,p-Xylene	< LOQ		200			n-Hexane	< LOQ		30.0			Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass	
Methylene chloride	< LOQ	600	60.0	pass		o-Xylene	< LOQ		200			Total Xylenes	< LOQ		400			Total Xylenes and Ethyl	< LOQ	2170	600	pass	
Acetone	< LOQ	5000	200	pass		Propane	< LOQ	5000	200	pass													
Benzene	< LOQ	2.00	1.00	pass		Toluene	< LOQ	890	100	pass													
Cyclohexane	< LOQ	3880	200	pass		Total Xylenes and Ethyl	< LOQ	2170	600	pass													



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



Report Number: 21-004742/D03.R00
Report Date: 05/10/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

Pesticides										
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2104144 Analyze 05/07/21 04:28 PM										
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass
Boscalid	< LOQ	0.40	0.200	pass		Carbaryl	< LOQ	0.20	0.100	pass
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin	< LOQ	1.0	0.500	pass
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazole	< LOQ	0.20	0.100	pass
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass
Fipronil	< LOQ	0.40	0.200	pass		Flonicamid	< LOQ	1.0	0.400	pass
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass
Prallethrin	< LOQ	0.20	0.200	pass		Propiconazole	< LOQ	0.40	0.200	pass
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass
Trifloxystrobin	< LOQ	0.20	0.100	pass						

Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes	
Arsenic	< LOQ		mg/kg	0.0412	2104130	05/07/21	AOAC 2013.06 (mod.)	X	
Cadmium	< LOQ		mg/kg	0.0412	2104101	05/06/21	AOAC 2013.06 (mod.)	X	
Lead	< LOQ		mg/kg	0.0412	2104101	05/06/21	AOAC 2013.06 (mod.)	X	
Mercury	< LOQ		mg/kg	0.0206	2104101	05/06/21	AOAC 2013.06 (mod.)	X	



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



Report Number: 21-004742/D03.R00
Report Date: 05/10/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

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)

% 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: 21-004742/D03.R00
Report Date: 05/10/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

21-004742



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

Cannabis Chain of Custody Record

ORELAP ID: OR100028

Company: ETZHH INC			Analysis Requested												Purchase Order Number:			
Contact: Tyler Ashmore			Order of operations: potency assay first, if result falls within acceptable range, then proceed with all other remaining tests. Use freezer sample prep for all balms.												Project Number:			
Address: 16427 NE Airport Way															Project Name:			
Email: testing@lazarusnaturals.com															Report Instructions: <input type="checkbox"/> Send to State - METRC <input checked="" type="checkbox"/> Email Final Results <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30			
Phone: 360-921-4247 Fax:															Other:			
Processor's License:																		
Field ID	Date/Time Collected		Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Matrix	Weight	Serving size for edibles	Comments/Metr ID
1 FORM-DD71-TN.FS.SAL20	4/28 1630				X										fine			Laz Nat Discount
2 FORM-DD71-TN.FS.SAL20	4/28 1630									X	X				fine			
3 FORM-DD71-TN.FS.SAL20	4/28 1630	X			X							X			fine			

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)	Tyler Ashmore	4/28/2021		Jmu	4-28-21	16:55	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: 16.9
							Shipped Via: Cheet
							Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM

Revision: 1.02 Control#: CF023
Effective 01/31/2019 Revised 01/31/2019

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Page 1 of 21

JS 4/29/21



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



Report Number: 21-004742/D03.R00
Report Date: 05/10/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

Laboratory Quality Control Results										
Residual Solvents										
Batch ID: 2104086										
Method Blank				Laboratory Control Sample						
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes	
Propane	ND	< 200		452	595	µg/g	76.0	70	-	130
Isobutane	ND	< 200		590	761	µg/g	77.5	70	-	130
Butane	ND	< 200		596	761	µg/g	78.3	70	-	130
2,2-Dimethylpropane	ND	< 200		734	955	µg/g	76.9	70	-	130
Methanol	ND	< 200		1490	1620	µg/g	92.0	70	-	130
Ethylene Oxide	ND	< 30		44.2	58.3	µg/g	75.8	70	-	130
2-Methylbutane	ND	< 200		1490	1620	µg/g	92.0	70	-	130
Pentane	ND	< 200		1550	1610	µg/g	96.3	70	-	130
Ethanol	ND	< 200		1470	1620	µg/g	90.7	70	-	130
Ethyl Ether	ND	< 200		1480	1600	µg/g	92.5	70	-	130
2,2-Dimethylbutane	ND	< 30		160	182	µg/g	87.9	70	-	130
Acetone	ND	< 200		1450	1600	µg/g	90.6	70	-	130
2-Propanol	ND	< 200		1500	1670	µg/g	89.8	70	-	130
Ethyl Formate	ND	< 500		1180	1610	µg/g	73.3	70	-	130
Acetonitrile	ND	< 100		453	490	µg/g	92.4	70	-	130
Methyl Acetate	ND	< 500		1580	1600	µg/g	98.8	70	-	130
2,3-Dimethylbutane	ND	< 30		139	165	µg/g	84.2	70	-	130
Dichloromethane	ND	< 200		483	481	µg/g	100.4	70	-	130
2-Methylpentane	ND	< 30		137	171	µg/g	80.1	70	-	130
MTBE	ND	< 500		1540	1610	µg/g	95.7	70	-	130
3-Methylpentane	ND	< 30		158	171	µg/g	92.4	70	-	130
Hexane	ND	< 30		165	168	µg/g	98.2	70	-	130
1-Propanol	ND	< 500		1470	1600	µg/g	91.9	70	-	130
Methylethylketone	ND	< 500		1620	1620	µg/g	100.0	70	-	130
Ethyl acetate	ND	< 200		1560	1660	µg/g	94.0	70	-	130
2-Butanol	ND	< 200		1510	1630	µg/g	92.6	70	-	130
Tetrahydrofuran	ND	< 100		435	485	µg/g	89.7	70	-	130
Cyclohexane	ND	< 200		1500	1610	µg/g	93.2	70	-	130
2-methyl-1-propanol	ND	< 500		1330	1610	µg/g	82.6	70	-	130
Benzene	ND	< 1		4.65	5.62	µg/g	82.7	70	-	130
Isopropyl Acetate	ND	< 200		1460	1610	µg/g	90.7	70	-	130
Heptane	ND	< 200		1460	1610	µg/g	90.7	70	-	130
1-Butanol	ND	< 500		1290	1610	µg/g	80.1	70	-	130
Propyl Acetate	ND	< 500		1680	1610	µg/g	104.3	70	-	130
1,4-Dioxane	ND	< 100		476	511	µg/g	93.2	70	-	130
2-Ethoxyethanol	ND	< 30		156	168	µg/g	92.9	70	-	130
Methylisobutylketone	ND	< 500		1570	1650	µg/g	95.2	70	-	130
3-Methyl-1-butanol	ND	< 500		1420	1610	µg/g	88.2	70	-	130
Ethylene Glycol	ND	< 200		429	530	µg/g	80.9	70	-	130
Toluene	ND	< 200		479	487	µg/g	98.4	70	-	130
Isobutyl Acetate	ND	< 500		1520	1610	µg/g	94.4	70	-	130
1-Pentanol	ND	< 500		1420	1610	µg/g	88.2	70	-	130
Butyl Acetate	ND	< 500		1480	1620	µg/g	91.4	70	-	130
Ethylbenzene	ND	< 200		974	988	µg/g	98.6	70	-	130
m,p-Xylene	ND	< 200		922	978	µg/g	94.5	70	-	130
o-Xylene	ND	< 200		998	1040	µg/g	96.0	70	-	130
Cumene	ND	< 30		156	177	µg/g	88.1	70	-	130
Anisole	ND	< 500		1600	1620	µg/g	98.8	70	-	130
DMSO	ND	< 500		1680	1640	µg/g	102.4	70	-	130
1,2-dimethoxyethane	ND	< 50		150	164	µg/g	91.5	70	-	130
Triethylamine	ND	< 500		1680	1600	µg/g	105.0	70	-	130
N,N-dimethylformamide	ND	< 150		517	518	µg/g	99.8	70	-	130
N,N-dimethylacetamide	ND	< 150		550	488	µg/g	112.7	70	-	130
Pyridine	ND	< 50		150	172	µg/g	87.2	70	-	130



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



Report Number: 21-004742/D03.R00
Report Date: 05/10/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

QC - Sample Duplicate		Sample ID: 21-004742-0003						
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	43.3	48.2	30	µg/g	10.7	< 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	200	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
MTBE	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	
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	
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

Units of Measure:

µg/g - Microgram per gram or ppm



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



Report Number: 21-004742/D03.R00
Report Date: 05/10/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

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: 2104144			
Method Blank			Laboratory Control Sample					
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	0.000	< 0.200		1.041	1.000	104.1	72.4 - 126	
Acequinocyl	0.000	< 1.000		3.273	4.000	81.8	79.8 - 122	
Acetamiprid	0.000	< 0.100		0.408	0.400	102.0	84.3 - 119	
Aldicarb	0.000	< 0.200		0.860	0.800	107.5	82.9 - 120	
Abamectin	0.000	< 0.288		1.067	1.000	106.7	79.6 - 124	
Azoxystrobin	0.000	< 0.100		0.417	0.400	104.3	79.4 - 127	
Bifenazate	0.000	< 0.100		0.468	0.400	117.1	81.6 - 124	
Bifenthrin	0.000	< 0.100		0.394	0.400	98.6	71.5 - 133	
Boscalid	0.000	< 0.100		0.795	0.800	99.4	74.0 - 131	
Carbaryl	0.000	< 0.100		0.398	0.400	99.4	82.1 - 121	
Carbofuran	0.000	< 0.100		0.398	0.400	99.4	85.1 - 125	
Chlorantraniliprol	0.000	< 0.100		0.401	0.400	100.3	70.6 - 131	
Chlorfenapyr	0.000	< 1.000		1.857	2.000	92.9	71.0 - 132	
Chlorpyrifos	0.000	< 0.100		0.381	0.400	95.3	72.3 - 134	
Clofentezine	0.000	< 0.100		0.423	0.400	105.9	80.1 - 117	
Cyfluthrin	0.000	< 1.000		2.146	2.000	107.3	71.8 - 133	
Cypermethrin	0.000	< 1.000		1.908	2.000	95.4	83.1 - 126	
Daminozide	0.000	< 1.000		2.034	2.000	101.7	74.6 - 124	
Diazinon	0.000	< 0.100		0.408	0.400	102.0	78.9 - 126	
Dichlorvos	0.000	< 0.500		2.033	2.000	101.7	76.1 - 124	
Dimethoat	0.000	< 0.100		0.426	0.400	106.5	82.8 - 119	
Ethoprophos	0.000	< 0.100		0.412	0.400	103.0	69.5 - 129	
Etofenprox	0.000	< 0.100		0.816	0.800	102.0	85.2 - 128	
Etoxazol	0.000	< 0.100		0.399	0.400	99.8	79.7 - 126	
Fenoxycarb	0.000	< 0.100		0.401	0.400	100.2	84.1 - 122	
Fenpyroximat	0.000	< 0.100		0.805	0.800	100.6	82.4 - 126	
Fipronil	0.000	< 0.100		0.803	0.800	100.4	80.6 - 125	
Flonicamid	0.000	< 0.400		0.923	1.000	92.3	80.9 - 119	
Fludioxonil	0.000	< 0.100		0.793	0.800	99.1	73.0 - 136	
Hexythiazox	0.000	< 0.400		1.042	1.000	104.2	82.5 - 125	
Imazalil	0.000	< 0.100		0.450	0.400	112.4	81.4 - 128	
Imidacloprid	0.000	< 0.200		0.823	0.800	102.8	76.9 - 125	
Kresoxim-Methyl	0.000	< 0.100		0.812	0.800	101.5	82.6 - 124	
Malathion	0.000	< 0.100		0.416	0.400	104.1	74.1 - 130	
Metaxalyl	0.000	< 0.100		0.415	0.400	103.6	79.7 - 124	
Methiocarb	0.000	< 0.100		0.414	0.400	103.5	81.0 - 123	
Methomyl	0.000	< 0.200		0.824	0.800	103.1	79.4 - 118	
M/GK 264	0.000	< 0.100		0.418	0.400	104.6	77.2 - 128	
Myclobutanil	0.000	< 0.100		0.441	0.400	110.3	80.6 - 123	
Naled	0.000	< 0.200		1.071	1.000	107.1	80.3 - 126	
Oxamyl	0.000	< 0.400		1.977	2.000	98.8	80.1 - 117	
Paclobutrazol	0.000	< 0.200		0.826	0.800	103.2	81.6 - 126	
Parathion Methyl	0.000	< 0.200		0.808	0.800	101.0	72.5 - 135	
Permethrin	0.000	< 0.100		0.411	0.400	102.9	75.0 - 139	
Phosmet	0.000	< 0.100		0.412	0.400	103.0	82.0 - 122	
Piperonyl butoxide	0.000	< 1.000		2.340	2.000	117.0	81.3 - 137	
Prallethrin	0.000	< 0.200		0.419	0.400	104.8	81.3 - 127	
Propiconazole	0.000	< 0.200		0.816	0.800	102.0	84.7 - 121	
Propoxur	0.000	< 0.100		0.396	0.400	99.1	84.2 - 121	
Pyrethrins	0.000	< 0.500		0.422	0.413	102.1	76.1 - 141	
Pyridaben	0.000	< 0.100		0.413	0.400	103.3	79.2 - 147	
Spinosad	0.000	< 0.100		0.421	0.388	108.4	88.4 - 127	
Spiromesifen	0.000	< 0.100		0.415	0.400	103.7	79.9 - 127	
Spirotetramat	0.000	< 0.100		0.416	0.400	104.1	81.1 - 121	
Spiroxamine	0.000	< 0.100		0.844	0.800	105.5	78.4 - 133	
Tebuconazol	0.000	< 0.200		0.857	0.800	107.1	83.1 - 122	
Thiadoprid	0.000	< 0.100		0.411	0.400	102.7	84.3 - 120	
Thiamethoxam	0.000	< 0.100		0.406	0.400	101.5	80.1 - 121	
Trifloxystrobin	0.000	< 0.100		0.406	0.400	101.4	81.4 - 125	



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



Report Number: 21-004742/D03.R00
Report Date: 05/10/2021
ORELAP#: OR100028
Purchase Order:
Received: 04/28/21 16:55

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: 2104144			
Matrix Spike/Matrix Spike Duplicate Recoveries				Sample ID: 21-004742-0003						
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	0.976	1.007	1.000	3.1%	< 30	97.6%	100.7%	50 - 150	Q
Acequinocyl	0.000	0.249	0.274	4.000	9.5%	< 30	6.2%	6.9%	50 - 150	
Acetamiprid	0.000	0.378	0.400	0.400	5.7%	< 30	94.5%	100.0%	50 - 150	
Aldicarb	0.000	0.765	0.804	0.800	5.0%	< 30	95.6%	100.5%	50 - 150	Q
Abamectin	0.000	0.922	0.901	1.000	2.3%	< 30	92.2%	90.1%	50 - 150	
Azoxystrobin	0.000	0.389	0.411	0.400	5.3%	< 30	97.3%	102.6%	50 - 150	
Bifenazate	0.000	0.426	0.428	0.400	0.5%	< 30	106.5%	107.0%	50 - 150	Q
Bifenthrin	0.000	0.198	0.193	0.400	2.5%	< 30	49.5%	48.3%	50 - 150	
Boscalid	0.000	0.740	0.855	0.800	14.5%	< 30	92.5%	106.9%	50 - 150	
Carbaryl	0.000	0.364	0.378	0.400	3.9%	< 30	90.9%	94.5%	50 - 150	R, Q1
Carbofuran	0.000	0.362	0.368	0.400	1.8%	< 30	90.4%	92.1%	50 - 150	
Chlorantraniliprol	0.000	0.414	0.403	0.400	2.9%	< 30	103.6%	100.7%	50 - 150	
Chlorfenapyr	0.000	1.592	1.430	2.000	10.8%	< 30	79.6%	71.5%	50 - 150	Q
Chlorpyrifos	0.000	0.303	0.333	0.400	9.6%	< 30	75.6%	83.3%	50 - 150	
Clofentezine	0.000	0.367	0.369	0.400	0.4%	< 30	91.8%	92.2%	50 - 150	
Cyfluthrin	0.000	1.544	1.383	2.000	11.0%	< 30	77.2%	69.2%	30 - 150	R, Q1
Cypermethrin	0.000	1.555	1.676	2.000	7.5%	< 30	77.8%	83.8%	50 - 150	
Daminozide	0.000	1.693	1.830	2.000	7.8%	< 30	84.6%	91.5%	30 - 150	
Diazinon	0.000	0.392	0.396	0.400	1.0%	< 30	98.1%	99.1%	50 - 150	R, Q1
Dichlorvos	0.000	1.867	1.985	2.000	6.1%	< 30	93.4%	99.2%	50 - 150	
Dimethoat	0.000	0.395	0.398	0.400	0.6%	< 30	98.8%	99.5%	50 - 150	
Ethoprophos	0.000	0.407	0.396	0.400	2.9%	< 30	101.8%	98.9%	50 - 150	R, Q1
Etofenprox	0.000	1.392	0.764	0.800	58.3%	< 30	174.0%	95.5%	50 - 150	
Etoxazol	0.000	0.401	0.435	0.400	8.1%	< 30	100.4%	108.8%	50 - 150	
Fenoxycarb	0.000	0.372	0.381	0.400	2.3%	< 30	93.0%	95.1%	50 - 150	Q
Fenpyroximat	0.014	0.683	0.756	0.800	10.4%	< 30	83.6%	92.8%	50 - 150	
Fipronil	0.000	0.678	0.687	0.800	1.2%	< 30	84.8%	85.9%	50 - 150	
Flonicamid	0.000	0.883	0.968	1.000	9.2%	< 30	88.3%	96.8%	50 - 150	Q
Fludioxonil	0.000	0.721	0.756	0.800	4.8%	< 30	90.1%	94.5%	50 - 150	
Hexythiazox	0.000	0.402	0.441	1.000	9.3%	< 30	40.2%	44.1%	50 - 150	
Imazalil	0.000	0.403	0.444	0.400	9.8%	< 30	100.7%	111.0%	50 - 150	Q
Imidacloprid	0.000	0.774	0.818	0.800	5.5%	< 30	96.7%	102.2%	50 - 150	
Kresoxim-Methyl	0.000	0.745	0.763	0.800	2.5%	< 30	93.1%	95.4%	50 - 150	
Malathion	0.000	0.369	0.373	0.400	0.9%	< 30	92.3%	93.2%	50 - 150	Q
Metaxyl	0.000	0.379	0.386	0.400	1.8%	< 30	94.9%	96.6%	50 - 150	
Methiocarb	0.000	0.388	0.388	0.400	0.1%	< 30	96.9%	97.0%	50 - 150	
Methomyl	0.000	0.758	0.789	0.800	4.1%	< 30	94.7%	98.7%	50 - 150	Q
M/GK 264	0.000	0.356	0.351	0.400	1.5%	< 30	89.0%	87.7%	50 - 150	
Myclobutanil	0.000	0.366	0.368	0.400	0.5%	< 30	91.6%	92.1%	50 - 150	
Naled	0.000	0.998	0.986	1.000	1.2%	< 30	99.8%	98.6%	50 - 150	Q
Oxamyl	0.000	1.825	1.935	2.000	5.8%	< 30	91.3%	96.7%	50 - 150	
Paclobutrazol	0.000	0.757	0.773	0.800	2.2%	< 30	94.6%	96.7%	50 - 150	
Parathion Methyl	0.000	0.743	0.728	0.800	2.0%	< 30	92.8%	91.0%	30 - 150	Q
Permethrin	0.020	0.258	0.275	0.400	6.9%	< 30	59.6%	63.9%	50 - 150	
Phosmet	0.000	0.375	0.410	0.400	9.0%	< 30	93.6%	102.4%	50 - 150	
Piperonyl butoxide	0.000	2.074	2.152	2.000	3.7%	< 30	103.7%	107.6%	50 - 150	Q
Prallethrin	0.000	0.254	0.287	0.400	12.4%	< 30	63.4%	71.9%	50 - 150	
Propiconazole	0.000	0.707	0.723	0.800	2.2%	< 30	88.3%	90.3%	50 - 150	
Propoxur	0.000	0.368	0.393	0.400	6.5%	< 30	92.1%	98.3%	50 - 150	Q
Pyrethrins	0.009	0.347	0.373	0.413	7.6%	< 30	81.8%	88.3%	50 - 150	
Pyridaben	0.000	0.343	0.365	0.400	6.1%	< 30	85.8%	91.2%	50 - 150	
Spinosad	0.000	0.404	0.415	0.388	2.7%	< 30	104.1%	106.9%	50 - 150	Q
Spiromesifen	0.000	0.361	0.391	0.400	7.9%	< 30	90.3%	97.7%	50 - 150	
Spirotetramat	0.000	0.401	0.394	0.400	1.9%	< 30	100.3%	98.5%	50 - 150	
Spiroxamine	0.000	0.760	0.785	0.800	3.2%	< 30	95.0%	98.1%	50 - 150	Q
Tebuconazol	0.000	0.620	0.651	0.800	4.9%	< 30	77.4%	81.4%	50 - 150	
Thiadoprid	0.000	0.393	0.394	0.400	0.3%	< 30	98.2%	98.4%	50 - 150	
Thiamethoxam	0.000	0.373	0.380	0.400	1.8%	< 30	93.4%	95.0%	50 - 150	Q
Trifloxystrobin	0.000	0.389	0.388	0.400	0.2%	< 30	97.1%	97.0%	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.