

CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU TN.CBG.ISO50	BATCH # DJ31	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 CBG Isolate Tincture	SERVING SIZE 1 mL		
LABORATORY: Columbia Laboratories	OREGON ACCREDITATION: OR100028		
POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Total THC (d9-THC, THCA)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Cannabigerol (CBG)	50.2 mg/serving	53.0 mg/g	5.30 %
Cannabinol (CBN)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Cannabichromene (CBC)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Tetrahydrocannabinolic Acid (THCA)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Delta-9-THC (d9-THC)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
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		
Ethanol	<LOQ		
Heptane	<LOQ		
None of the 34 residual solvents tested found above limit of quantitation in the sample.			
MICROBIAL	PASS/FAIL		
Yeast & Mold	Pass		
Coliform	Pass		



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: 21-012290/D001.R000
Report Date: 10/25/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00

Customer: Etz Hayim Holdings
Product identity: FORM-DJ31-TN.CBG.ISO50
Client/Metric ID: .
Laboratory ID: 21-012290-0001

Summary

Potency:

Analyte per 1ml	Result	Limits	Units	Status	
CBG per 1ml [†]	50.2		mg/1ml		CBD Total per 1ml <LOQ
					THC-Total per 1ml <LOQ
(Reported in milligrams per serving)					



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

Report Number: 21-012290/D001.R000
Report Date: 10/25/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00



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

Product identity: FORM-DJ31-TN.CBG.ISO50

Client/Metric ID: .

Sample Date:

Laboratory ID: 21-012290-0001

Evidence of Cooling: No

Temp: 21.9 °C

Relinquished by: Client

Serving Size #1: 0.948 g

Density: 0.9480 g/ml

Sample Results

Potency per 1ml	Method J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2109462	Analyze: 10/19/21 10:15:00 P	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml [†]	< LOQ		mg/1ml	0.851	
CBC-A per 1ml [†]	< LOQ		mg/1ml	0.851	
CBC-Total per 1ml [†]	< LOQ		mg/1ml	1.60	
CBD per 1ml	< LOQ		mg/1ml	0.851	
CBD-A per 1ml	< LOQ		mg/1ml	0.851	
CBD-Total per 1ml	< LOQ		mg/1ml	1.60	
CBDV per 1ml [†]	< LOQ		mg/1ml	0.851	
CBDV-A per 1ml [†]	< LOQ		mg/1ml	0.851	
CBDV-Total per 1ml [†]	< LOQ		mg/1ml	1.59	
CBE per 1ml [†]	< LOQ		mg/1ml	0.851	
CBG per 1ml [†]	50.2		mg/1ml	0.851	
CBG-A per 1ml [†]	< LOQ		mg/1ml	0.851	
CBG-Total per 1ml [†]	50.2		mg/1ml	1.59	
CBL per 1ml [†]	< LOQ		mg/1ml	0.851	
CBL-A per 1ml [†]	< LOQ		mg/1ml	0.851	
CBL-Total per 1ml [†]	< LOQ		mg/1ml	1.60	
CBN per 1ml	< LOQ		mg/1ml	0.851	
CBT per 1ml [†]	< LOQ		mg/1ml	0.851	
Δ8-THCV per 1ml [†]	< LOQ		mg/1ml	0.851	
Δ8-THC per 1ml [†]	< LOQ		mg/1ml	0.851	
Δ9-THC per 1ml	< LOQ		mg/1ml	0.851	
exo-THC per 1ml [†]	< LOQ		mg/1ml	0.851	
THC-A per 1ml	< LOQ		mg/1ml	0.851	
THC-Total per 1ml	< LOQ		mg/1ml	1.60	
THCV per 1ml [†]	< LOQ		mg/1ml	0.851	
THCV-A per 1ml [†]	< LOQ		mg/1ml	0.851	
THCV-Total per 1ml [†]	< LOQ		mg/1ml	1.60	
Total Cannabinoids per 1ml	50.2		mg/1ml		



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



Report Number: 21-012290/D001.R000
Report Date: 10/25/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00



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



Report Number: 21-012290/D001.R000
Report Date: 10/25/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 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, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

Units of Measure

g = Gram

g/ml = Gram per milliliter

mg/1ml = Milligram per 1ml

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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



Report Number: 21-012290/D001.R000
Report Date: 10/25/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00



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	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-DJ31-TN.CBG.ISO50	10/14 1340			X						X	X						Laz Nat Discount
FORM-DJ31-TN.CBG.ISO50	10/14 1340								X	X							
FORM-DJ31-TN.CBG.ISO50	10/14 1340	X			X						X						pharmacy first

Collected By:		Use Only:
<input checked="" type="checkbox"/> Standard (5 day)		Alias:
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)		Number:
<input type="checkbox"/> Priority Rush (2 day) (2x Standard)		Container: y
		Sample Condition:
		Temperature: 21.9°C
		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 333-007-0430



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

Report Number: 21-012290/D001.R000
Report Date: 10/25/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00



Revision # 0 00 Con rol CFL D06
Revision Da e 05/31/2019 Effec ive Da e 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2109462**

Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	0.215	0.2	%	108	85.0	- 115	Acceptable	
CBDV	0.221	0.2	%	110	85.0	- 115	Acceptable	
CBE	0.207	0.2	%	103	85.0	- 115	Acceptable	
CBDA	0.209	0.2	%	105	85.0	- 115	Acceptable	
CBGA	0.213	0.2	%	106	85.0	- 115	Acceptable	
CBG	0.212	0.2	%	106	85.0	- 115	Acceptable	
CBD	0.209	0.2	%	105	85.0	- 115	Acceptable	
THCV	0.205	0.2	%	102	85.0	- 115	Acceptable	
d8THCV	0.197	0.2	%	98.3	85.0	- 115	Acceptable	
THCVA	0.208	0.2	%	104	85.0	- 115	Acceptable	
CBN	0.207	0.2	%	104	85.0	- 115	Acceptable	
exo-THC	0.186	0.2	%	92.8	85.0	- 115	Acceptable	
d9THC	0.201	0.2	%	101	85.0	- 115	Acceptable	
d8THC	0.201	0.2	%	101	85.0	- 115	Acceptable	
CBL	0.191	0.2	%	95.5	85.0	- 115	Acceptable	
CBC	0.209	0.2	%	105	85.0	- 115	Acceptable	
THCA	0.210	0.2	%	105	85.0	- 115	Acceptable	
CBCA	0.220	0.2	%	110	85.0	- 115	Acceptable	
CBLA	0.207	0.2	%	103	85.0	- 115	Acceptable	
CBT	0.223	0.2	%	112	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: 21-012290/D001.R000
Report Date: 10/25/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00

Revision # 0 00 Con rol CFL D06
Revision Da e 05/31/2019 Effec ive Da e 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6								
Batch ID: 2109462								
Sample Duplicate								
Sample D 21-012138-0001								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	0.211	0.204	0.1	%	3.54	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDA	30.8	28.9	0.1	%	6.09	< 20	Acceptable	
CBGA	0.710	0.697	0.1	%	1.86	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBD	0.733	0.696	0.1	%	5.18	< 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	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d9THC	0.101	0.103	0.1	%	1.40	< 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	1.14	1.10	0.1	%	3.49	< 20	Acceptable	
CBCA	1.41	1.38	0.1	%	1.52	< 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



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



Report Number: 21-012290/D001.R000
Report Date: 10/25/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 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: 21-012290/D004.R000
Report Date: 11/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00

Customer: Etz Hayim Holdings
Product identity: FORM-DJ31-TN.CBG.ISO50
Client/Metric ID: .
Laboratory ID: 21-012290-0002

Summary

Microbiology:

Less than LOQ for all analytes.



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



Report Number: 21-012290/D004.R000
Report Date: 11/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00

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

Product identity: FORM-DJ31-TN.CBG.ISO50

Client/Metric ID: .

Sample Date:

Laboratory ID: 21-012290-0002

Evidence of Cooling: No

Temp: 21.9 °C

Relinquished by: Client

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2109675	10/29/21	AOAC 991.14 (Petrifilm)	X, I	
Total Coliforms	< LOQ		cfu/g	10	2109675	10/29/21	AOAC 991.14 (Petrifilm)	X, I	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2109677	10/29/21	AOAC 2014.05 (RAPID)	X, I	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2109677	10/29/21	AOAC 2014.05 (RAPID)	X, I	



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



Report Number: 21-012290/D004.R000
Report Date: 11/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 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, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Units of Measure

cfu/g = Colony forming units per gram

% wt = µg/g divided by 10,000

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



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



Report Number: 21-012290/D004.R000
Report Date: 11/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00



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	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-DJ31-TN.CBG.ISO50	10/14 1340			X						X	X						Laz Nat Discount
FORM-DJ31-TN.CBG.ISO50	10/14 1340								X	X							
FORM-DJ31-TN.CBG.ISO50	10/14 1340	X			X						X						pharmacy first

Collected By:		Use Only:
<input checked="" type="checkbox"/> Standard (5 day)		Alias:
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)		Number:
<input type="checkbox"/> Priority Rush (2 day) (2x Standard)		Container: y
		Sample Condition:
		Temperature: 21.9°C
		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



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



Report Number: 21-012290/D004.R000
Report Date: 11/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 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: 21-012290/D005.R000
Report Date: 11/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00

Customer: Etz Hayim Holdings
Product identity: FORM-DJ31-TN.CBG.ISO50
Client/Metric ID: .
Laboratory ID: 21-012290-0003

Summary

Residual Solvents:

All analytes passing and less than LOQ.

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: 21-012290/D005.R000
Report Date: 11/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00

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

Product identity: FORM-DJ31-TN.CBG.ISO50
Client/Metric ID: .
Sample Date:
Laboratory ID: 21-012290-0003
Evidence of Cooling: No
Temp: 21.9 °C
Relinquished by: Client

Sample Results

Solvents		Method Residual Solvents by GC/MS				Units µg/g	Batch 2109781	Analyze 10/29/21 12:23 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 (Isopentane)	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethanol ¹	< LOQ		200		
Ethyl acetate	< LOQ	5000	200	pass		Ethyl benzene	< LOQ		200		
Ethyl ether	< LOQ	5000	200	pass		Ethylene glycol	< LOQ	620	200	pass	
Ethylene oxide	< LOQ	50.0	20.0	pass		Hexanes (sum)	< LOQ	290	150	pass	
Isopropyl acetate	< LOQ	5000	200	pass		Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass	
m,p-Xylene	< LOQ		200			Methanol	< LOQ	3000	200	pass	
Methylene chloride	< LOQ	600	60.0	pass		Methylpropane (Isobutane)	< LOQ		200		
n-Butane	< LOQ		200			n-Heptane	< LOQ	5000	200	pass	
n-Hexane	< LOQ		30.0			n-Pentane	< LOQ		200		
o-Xylene	< LOQ		200			Pentanes (sum)	< LOQ	5000	600	pass	
Propane	< LOQ	5000	200	pass		Tetrahydrofuran	< LOQ	720	100	pass	
Toluene	< LOQ	890	100	pass		Total Xylenes	< LOQ		400		
Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass							



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

Report Number: 21-012290/D005.R000
Report Date: 11/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00



Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2109722 Analyze 10/28/21 10:48 AM											
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							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes	
Arsenic	< LOQ	0.200	mg/kg	0.0433	2109706	10/27/21	AOAC 2013.06 (mod.)	pass	X	
Cadmium	< LOQ	0.200	mg/kg	0.0433	2109706	10/27/21	AOAC 2013.06 (mod.)	pass	X	
Lead	< LOQ	0.500	mg/kg	0.0433	2109706	10/27/21	AOAC 2013.06 (mod.)	pass	X	
Mercury	< LOQ	0.100	mg/kg	0.0216	2109706	10/27/21	AOAC 2013.06 (mod.)	pass	X	



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



Report Number: 21-012290/D005.R000
Report Date: 11/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 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, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

Units of Measure

µg/g = Microgram per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

% 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: 21-012290/D005.R000
Report Date: 11/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00



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	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-DJ31-TN.CBG.ISO50	10/14 1340			X						X	X						Laz Nat Discount
FORM-DJ31-TN.CBG.ISO50	10/14 1340								X	X							
FORM-DJ31-TN.CBG.ISO50	10/14 1340	X			X						X						pharmacy first
Collected By:													Use Only:				
<input checked="" type="checkbox"/> Standard (5 day) <input type="checkbox"/> Rush (3-4 day) (1.5x Standard) <input type="checkbox"/> Priority Rush (2 day) (2x Standard)													Alias: Number: Container: y Sample Condition: Temperature: 21.9°C 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



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



Report Number: 21-012290/D005.R000
Report Date: 11/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00

Revision: 2 Document ID: 3120
 Legacy ID: CFL-C21Effective:

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 2109722				
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Accephate	0.002	< 0.250		1.273	1.000	127.3	70.8 - 132	
Accequinocyl	0.000	< 1.000		4.927	4.000	123.2	71.5 - 133	
Acetamiprid	0.000	< 0.100		0.515	0.400	128.6	70.8 - 132	
Aldicarb	0.000	< 0.200		0.928	0.800	116.0	73.6 - 137	
Abamectin	0.000	< 0.250		1.423	1.000	142.3	73.4 - 136	Q1
Azoxystrobin	0.000	< 0.100		0.504	0.400	126.1	70.3 - 131	
Bifenazate	0.000	< 0.100		0.544	0.400	136.1	75.0 - 139	
Bifenthrin	0.000	< 0.100		0.489	0.400	122.3	69.9 - 130	
Boscalid	0.000	< 0.200		0.997	0.800	124.6	70.2 - 130	
Carbaryl	0.002	< 0.100		0.506	0.400	126.4	70.6 - 131	
Carbofuran	0.006	< 0.100		0.501	0.400	125.3	72.2 - 134	
Chlorantraniliprol	0.000	< 0.100		0.390	0.400	97.4	68.6 - 127	
Chlorfenapyr	0.000	< 0.500		2.465	2.000	123.3	71.1 - 132	
Chlorpyrifos	0.000	< 0.100		0.494	0.400	123.4	68.6 - 127	
Clofentezine	0.000	< 0.100		0.498	0.400	124.5	69.9 - 130	
Cyfluthrin	0.000	< 0.500		2.659	2.000	132.9	72.6 - 135	
Cypermethrin	0.000	< 0.500		2.478	2.000	123.9	71.7 - 133	
Daminozide	0.115	< 0.500		2.100	2.000	105.0	71.6 - 133	
Diazinon	0.000	< 0.100		0.565	0.400	141.4	70.8 - 131	Q1
Dichlorvos	0.000	< 0.500		2.515	2.000	125.8	68.7 - 128	
Dimethoat	0.000	< 0.100		0.502	0.400	125.4	70.9 - 132	
Ethoprophos	0.000	< 0.100		0.507	0.400	126.8	69.8 - 130	
Etofenprox	0.026	< 0.200		0.980	0.800	122.5	72.5 - 135	
Etoxazol	0.000	< 0.100		0.492	0.400	122.9	70.9 - 132	
Fenoxycarb	0.000	< 0.100		0.511	0.400	127.8	70.4 - 131	
Fenpyroximat	0.000	< 0.200		1.003	0.800	125.3	71.1 - 132	
Fipronil	0.000	< 0.200		0.994	0.800	124.2	72.4 - 135	
Fonicamid	0.000	< 0.250		1.278	1.000	127.8	70.9 - 132	
Fludioxonil	0.000	< 0.200		1.123	0.800	140.4	73.8 - 137	Q1
Hexythiazox	0.000	< 0.250		1.213	1.000	121.3	69.3 - 129	
Imazalil	0.000	< 0.100		0.498	0.400	124.6	72.6 - 135	
Imidacloprid	0.000	< 0.200		1.011	0.800	126.3	70.4 - 131	
Kresoxim-Methyl	0.000	< 0.200		0.986	0.800	123.3	70.5 - 131	
Malathion	0.000	< 0.100		0.505	0.400	126.3	70.0 - 130	
Metaxyl	0.000	< 0.100		0.518	0.400	129.6	71.1 - 132	
Methiocarb	0.000	< 0.100		0.489	0.400	122.3	70.6 - 131	
Methomyl	0.000	< 0.200		1.037	0.800	129.6	70.1 - 130	
MKG 264	0.000	< 0.100		0.495	0.400	123.8	70.0 - 130	
Myclobutanil	0.000	< 0.100		0.524	0.400	130.9	70.8 - 132	
Naled	0.000	< 0.250		1.213	1.000	121.3	72.4 - 134	
Oxamyl	0.000	< 0.500		2.590	2.000	129.5	70.8 - 131	
Paclobutrazol	0.000	< 0.200		1.011	0.800	126.3	71.2 - 132	
Parathion Methyl	0.000	< 0.200		1.073	0.800	134.1	72.6 - 135	
Permethrin	0.000	< 0.100		0.480	0.400	119.9	70.9 - 132	
Phosmet	0.000	< 0.100		0.511	0.400	127.7	70.4 - 131	
Piperonyl butoxide	0.000	< 0.500		2.538	2.000	126.9	73.4 - 136	
Prallethrin	0.000	< 0.100		0.522	0.400	130.5	71.3 - 132	
Propiconazole	0.000	< 0.200		1.006	0.800	125.8	70.6 - 131	
Propoxur	0.011	< 0.100		0.491	0.400	122.7	70.0 - 130	
Pyrethrins	0.000	< 0.100		0.402	0.413	97.3	68.5 - 127	
Pyridaben	0.000	< 0.100		0.492	0.400	123.1	70.2 - 130	
Spinosad	0.000	< 0.100		0.500	0.388	128.8	72.7 - 135	
Spiromesifen	0.000	< 0.100		0.528	0.400	132.1	71.7 - 133	
Spirotetramat	0.000	< 0.100		0.490	0.400	122.5	70.8 - 132	
Spiroxamine	0.000	< 0.200		0.976	0.800	122.0	68.9 - 128	
Tebuconazol	0.000	< 0.200		1.026	0.800	128.2	70.5 - 131	
Thiadoprid	0.000	< 0.100		0.499	0.400	124.8	70.1 - 130	
Thiamethoxam	0.000	< 0.100		0.513	0.400	128.2	70.3 - 131	
Trifloxystrobin	0.000	< 0.100		0.492	0.400	123.0	70.7 - 131	



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

Report Number: 21-012290/D005.R000
Report Date: 11/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00



Revision: 2 Document ID: 3120
Legacy ID: CFL-C21Effective:

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg						Batch ID: 2109722		
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 21-012546-0001								
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Accephate	0.010	1.041	1.024	1.000	1.7%	< 30	103.1%	101.4%	50 - 150	
Acetamiprid	0.006	0.418	0.417	0.400	0.3%	< 30	102.9%	102.5%	50 - 150	
Aldicarb	0.000	0.837	0.790	0.800	5.7%	< 30	104.6%	98.8%	50 - 150	
Abamectin	0.000	1.050	0.964	1.000	8.5%	< 30	105.0%	96.4%	50 - 150	
Azoxystrobin	0.018	0.330	0.333	0.400	0.8%	< 30	78.1%	78.7%	50 - 150	
Bifenazate	0.084	0.594	0.588	0.400	1.2%	< 30	127.6%	126.1%	50 - 150	
Bifenthrin	0.119	0.295	0.289	0.400	3.3%	< 30	44.0%	42.5%	50 - 150	Q
Boscalid	0.195	0.949	1.015	0.800	8.3%	< 30	94.3%	102.5%	50 - 150	
Carbaryl	0.000	0.287	0.296	0.400	3.1%	< 30	71.6%	73.9%	50 - 150	
Carbofuran	0.000	0.247	0.262	0.400	6.0%	< 30	61.6%	65.4%	50 - 150	
Chlorantraniliprol	0.000	0.353	0.289	0.400	20.2%	< 30	88.3%	72.2%	50 - 150	
Chlorfenapyr	0.000	1.337	1.472	2.000	9.6%	< 30	66.9%	73.6%	50 - 150	
Chlorpyrifos	0.164	0.487	0.509	0.400	6.9%	< 30	80.6%	86.4%	50 - 150	
Clofentezine	0.000	0.256	0.255	0.400	0.6%	< 30	64.0%	63.7%	50 - 150	
Cyfluthrin	0.000	0.865	0.883	2.000	2.1%	< 30	43.2%	44.1%	30 - 150	
Cypermethrin	0.000	1.326	1.322	2.000	0.3%	< 30	66.3%	66.1%	50 - 150	
Daminozide	0.087	1.747	1.760	2.000	0.8%	< 30	83.0%	83.6%	30 - 150	
Diazinon	0.003	0.395	0.397	0.400	0.5%	< 30	98.0%	98.5%	50 - 150	
Dichlorvos	0.000	2.014	1.902	2.000	5.7%	< 30	100.7%	95.1%	50 - 150	
Dimethoat	0.018	0.435	0.428	0.400	1.6%	< 30	104.3%	102.7%	50 - 150	
Ethoprophos	0.088	0.447	0.446	0.400	0.2%	< 30	89.9%	89.7%	50 - 150	
Etofenprox	0.021	0.529	0.526	0.800	0.6%	< 30	63.4%	63.1%	50 - 150	
Etoxazol	0.009	0.389	0.392	0.400	0.7%	< 30	95.0%	95.6%	50 - 150	
Fenoxycarb	0.000	0.259	0.261	0.400	0.9%	< 30	64.7%	65.3%	50 - 150	
Fenpyroximat	0.051	0.799	0.818	0.800	2.5%	< 30	93.5%	95.9%	50 - 150	
Fipronil	0.000	0.382	0.379	0.800	1.0%	< 30	47.8%	47.3%	50 - 150	Q
Fonicamid	0.000	1.159	1.046	1.000	10.2%	< 30	115.9%	104.6%	50 - 150	
Fludioxonil	0.000	1.323	1.436	0.800	8.2%	< 30	165.3%	179.6%	50 - 150	Q1
Hexythiazox	0.000	0.193	0.198	1.000	2.5%	< 30	19.3%	19.8%	50 - 150	Q
Imazail	0.000	0.315	0.321	0.400	2.1%	< 30	78.7%	80.4%	50 - 150	
Imidacloprid	0.000	0.943	0.939	0.800	0.5%	< 30	117.9%	117.4%	50 - 150	
Kresoxim-Methyl	0.000	0.596	0.605	0.800	1.6%	< 30	74.5%	75.6%	50 - 150	
Malathion	0.152	0.480	0.473	0.400	2.1%	< 30	81.9%	80.2%	50 - 150	
Metaxyl	0.019	0.400	0.397	0.400	0.9%	< 30	95.3%	94.5%	50 - 150	
Methiocarb	0.004	0.285	0.320	0.400	11.7%	< 30	70.2%	78.9%	50 - 150	
Methomyl	0.000	1.036	0.991	0.800	4.5%	< 30	129.6%	123.9%	50 - 150	
MGK 264	0.000	0.137	0.124	0.400	10.0%	< 30	34.3%	31.0%	50 - 150	Q
Myclobutanil	0.050	0.452	0.427	0.400	6.4%	< 30	100.6%	94.3%	50 - 150	
Naled	0.000	0.570	0.571	1.000	0.2%	< 30	57.0%	57.1%	50 - 150	
Oxamyl	0.000	2.330	2.469	2.000	5.8%	< 30	116.5%	123.5%	50 - 150	
Paclobutrazol	0.000	0.720	0.716	0.800	0.5%	< 30	90.0%	89.5%	50 - 150	
Parathion Methyl	0.184	0.731	0.903	0.800	27.2%	< 30	68.3%	89.9%	30 - 150	
Permethrin	0.045	0.325	0.304	0.400	8.1%	< 30	70.0%	64.5%	50 - 150	
Phosmet	0.000	0.359	0.374	0.400	4.1%	< 30	89.8%	93.5%	50 - 150	
Piperonyl butoxide	0.029	2.065	2.094	2.000	1.4%	< 30	101.8%	103.2%	50 - 150	
Prallethrin	0.000	0.247	0.197	0.400	22.7%	< 30	61.9%	49.2%	50 - 150	Q
Propiconazole	0.046	0.838	0.817	0.800	2.6%	< 30	98.9%	96.4%	50 - 150	
Propoxur	0.020	0.345	0.339	0.400	1.8%	< 30	81.1%	79.6%	50 - 150	
Pyrethrins	0.010	0.293	0.294	0.413	0.2%	< 30	68.5%	68.6%	50 - 150	
Pyridaben	0.011	0.341	0.334	0.400	2.0%	< 30	82.5%	80.8%	50 - 150	
Spinosad	0.000	0.332	0.336	0.388	1.1%	< 30	85.6%	86.6%	50 - 150	
Spiromesifen	0.000	0.340	0.339	0.400	0.3%	< 30	85.1%	84.8%	50 - 150	
Spirotetramat	0.000	0.587	0.587	0.400	0.0%	< 30	146.8%	146.7%	50 - 150	
Spiroxamine	0.000	0.813	0.801	0.800	1.5%	< 30	101.7%	100.2%	50 - 150	
Tebuconazol	0.014	0.710	0.728	0.800	2.6%	< 30	86.9%	89.2%	50 - 150	
Thiadoprid	0.000	0.406	0.409	0.400	0.8%	< 30	101.5%	102.3%	50 - 150	
Thiamethoxam	0.000	0.457	0.468	0.400	2.5%	< 30	114.2%	117.1%	50 - 150	
Trifloxystrobin	0.000	0.383	0.386	0.400	0.6%	< 30	95.9%	96.4%	50 - 150	



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



Report Number: 21-012290/D005.R000
Report Date: 11/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00

Revision Document ID
 Legacy ID Effective

Laboratory Quality Control Results

Batch ID: 2 0978

Residual Solvents		Method Blank		Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	200		39	0	µg/g	0.9	0	0
Isobutane	ND	200		5.0	9	µg/g	0.0	0	0
Butane	ND	200		5.3	9	µg/g	0.6	0	0
2,2-Dimethylpropane	ND	200		35	609	µg/g	20	0	0
Methanol	ND	200		900	6.0	µg/g	8.0	0	0
Ethylene Oxide	ND	30		0	38.9	µg/g	0.3	0	0
2-Methylbutane	ND	200		0	6.0	µg/g	0.62	0	0
Pentane	ND	200		00	6.0	µg/g	0.56	0	0
Ethanol	ND	200		30	6.0	µg/g	0.5	0	0
Ethyl Ether	ND	200		5.0	6.0	µg/g	95	0	0
2,2-Dimethylbutane	ND	30		55	6	µg/g	9.5	0	0
Acetone	ND	200		0	6.0	µg/g	0.62	0	0
2-Propanol	ND	200		800	6.0	µg/g	8	0	0
Ethyl Formate	ND	500		0	6.0	µg/g	2	0	0
Acetonitrile	ND	00		5.6	8	µg/g	2.8	0	0
Methyl Acetate	ND	500		560	6.0	µg/g	96.9	0	0
2,3-Dimethylbutane	ND	30		6	6	µg/g	0.5	0	0
Dichloromethane	ND	60		60	9	µg/g	93	0	0
2-Methylpentane	ND	30		8	65	µg/g	5	0	0
M. BE	ND	500		0	600	µg/g	88	0	0
3-Methylpentane	ND	30		69	2	µg/g	98.3	0	0
Hexane	ND	30		65	6	µg/g	98.8	0	0
Propanol	ND	500		620	6.0	µg/g	00.6	0	0
Methyl ethylketone	ND	500		590	620	µg/g	98	0	0
Ethyl acetate	ND	200		00	6.0	µg/g	05.6	0	0
2-Butanol	ND	200		50	6.0	µg/g	08	0	0
tetrahydrofuran	ND	00		6	83	µg/g	96	0	0
Cyclohexane	ND	200		500	6.0	µg/g	93.2	0	0
2-methyl propanol	ND	500		0	620	µg/g	90	0	0
Benzene	ND			9	5.36	µg/g	92	0	0
Isopropyl Acetate	ND	200		920	620	µg/g	8.5	0	0
Heptane	ND	200		9.0	6.0	µg/g	8.6	0	0
Butanol	ND	500		6.0	6.0	µg/g	0.3	0	0
Propyl Acetate	ND	500		330	620	µg/g	82	0	0
Dioxane	ND	00		5	89	µg/g	9.0	0	0
2-Ethoxyethanol	ND	30		89	6	µg/g	3.2	0	0
Methyl isobutylketone	ND	500		6.0	6.0	µg/g	0.3	0	0
3-Methyl butanol	ND	500		650	6.0	µg/g	02.5	0	0
Ethylene Glycol	ND	200		5.0	50	µg/g	3	0	0
o-cresol	ND	200		5	8	µg/g	93.8	0	0
Isobutyl Acetate	ND	500		30	6.0	µg/g	0.5	0	0
Pentanol	ND	500		680	6.0	µg/g	0.3	0	0
Butyl Acetate	ND	500		620	620	µg/g	00.0	0	0
Ethyl benzene	ND	200		929	68	µg/g	96.0	0	0
m,p-Xylene	ND	200		030	9	µg/g	05	0	0
o-Xylene	ND	200		988	982	µg/g	00.6	0	0
Cumene	ND	30		58	69	µg/g	93.5	0	0
Anisole	ND	500		50	630	µg/g	89.0	0	0
DMSO	ND	500		520	630	µg/g	93.3	0	0
2,2-dimethoxyethane	ND	50		62	62	µg/g	05.6	0	0
diethylamine	ND	500		530	6.0	µg/g	9.6	0	0
N,N-dimethylformamide	ND	50		09	502	µg/g	8.5	0	0
N,N-dimethylacetamide	ND	50		506	85	µg/g	0.3	0	0
Pyridine	ND	50			66	µg/g	88.6	0	0
2-Dichloroethane	ND			35		µg/g	35.0	0	0.06
Chloroform	ND			3		µg/g	3.0	0	0.06
trichloroethylene	ND			3		µg/g	30.0	0	0
Ethylene Oxide	ND			9		µg/g	9.0	0	0
Dichloromethane	ND			2		µg/g	2.0	0	0
Benzene	ND			29		µg/g	29.0	0	0



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



Report Number: 21-012290/D005.R000
Report Date: 11/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 16:00

Revision Document ID
Legacy ID Effective

QC Sample Duplicate Sample ID: 21 012626 0001

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200	µg/g	0.0	20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	20	Acceptable	
2,2 Dimethylpropane	ND	ND	200	µg/g	0.0	20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	20	Acceptable	
Ethyl ethyl 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	2.0	329	200	µg/g	3.3	20	FAIL	Q
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	
Methyl Ethyl Ketone	ND	ND	500	µg/g	0.0	20	Acceptable	
3 Methylpentane	ND	ND	30	µg/g	0.0	20	Acceptable	
Hexane	66	66	30	µg/g	0.5	20	Acceptable	
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	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	100	µg/g	0.0	20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	20	Acceptable	
Butanol	ND	ND	500	µg/g	0.0	20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	20	Acceptable	
Dioxane	ND	ND	00	µg/g	0.0	20	Acceptable	
2 Ethoxyethanol	ND	ND	30	µg/g	0.0	20	Acceptable	
Methyl isobutyl ketone	ND	ND	500	µg/g	0.0	20	Acceptable	
3 Methyl butanol	ND	ND	500	µg/g	0.0	20	Acceptable	
Ethyl Glycol	ND	ND	200	µg/g	0.0	20	Acceptable	
o-xylene	ND	ND	200	µg/g	0.0	20	Acceptable	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	20	Acceptable	
Pentanol	ND	ND	500	µg/g	0.0	20	Acceptable	
Butyl Acetate	ND	ND	500	µg/g	0.0	20	Acceptable	
Ethyl benzene	ND	ND	200	µg/g	0.0	20	Acceptable	
m-xylene	ND	ND	200	µg/g	0.0	20	Acceptable	
p-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	
2,4-dimethoxyethane	ND	ND	50	µg/g	0.0	20	Acceptable	
Diethylamine	ND	ND	500	µg/g	0.0	20	Acceptable	
N,N-dimethylformamide	ND	ND	50	µg/g	0.0	20	Acceptable	
N,N-dimethylacetamide	ND	ND	50	µg/g	0.0	20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	20	Acceptable	
1,2-Dichloroethane	ND	ND	100	µg/g	0.0	20	Acceptable	
Chloroform	ND	ND	100	µg/g	0.0	20	Acceptable	
1,1,1-Trichloroethylene	ND	ND	100	µg/g	0.0	20	Acceptable	
Ethyl ethyl Oxide	ND	ND	30	µg/g	0.0	20	Acceptable	
Dichloromethane	ND	ND	100	µg/g	0.0	20	Acceptable	
Benzene	ND	ND	100	µg/g	0.0	2	Acceptable	

Abbreviations

ND	None Detected at or above MRL
RPD	Relative Percent Difference
LOQ	Limit of Quantitation
Q1	Non-homogeneous sample matrix affecting RPD results and/or % recoveries
QR	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: 21-012290/D005.R000
Report Date: 11/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/15/21 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.