

CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU TN.ISO.BO50

BATCH # DL07(A)

PRODUCT NAME Tincture - Isolate - Blood Orange - 50mg **SERVING SIZE** 1 mL

LABORATORY: Columbia Laboratories **OREGON ACCREDITATION:** OR100028

LOQ: Limit Of Quantitation
LOD: Limit Of Detection

1 g = 10⁻³ kg = 10³ mg = 10⁶ µg
1 mg/kg = 1 ppm = 1000 ppb

POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	54.2 mg/serving	58.0 mg/g	5.80 %
Total THC (d9-THC, THCA)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Cannabigerol (CBG)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
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	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



1. American Herbal Pharmacopoeia. (2014). Cannabis Inflorescence: Standards of Identity, Analysis, and Quality Control. Washington DC: AHP.

2. US Food and Drug Administration. (2019). Lead in Food, Foodwares, and Dietary Supplements. Washington DC: FDA. US Food and Drug Administration. (2019). Lead in Food, Foodwares, and Dietary Supplements. Washington DC: FDA.



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



Report Number: 22-000011/D002.R000
Report Date: 01/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/04/22 10:27

Customer: Etz Hayim Holdings
Product identity: FORM-DL07(A)-TN.ISO.BO50
Client/Metric ID: .
Laboratory ID: 22-000011-0001

Summary

Potency:

Analyte per 1ml	Result	Limits	Units	Status	
CBD per 1ml	54.2		mg/1ml		CBD Total per 1ml 54.2 mg/1ml
					THC-Total per 1ml <LOQ
(Reported in milligrams per serving)					



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Report Number: 22-000011/D002.R000
Report Date: 01/10/2022
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Received: 01/04/22 10:27



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

Product identity: FORM-DL07(A)-TN.ISO.BO50

Client/Metric ID: .

Sample Date:

Laboratory ID: 22-000011-0001

Evidence of Cooling: No

Temp: 15.9 °C

Relinquished by: Client

Serving Size #1: 0.934 g

Density: 0.9340 g/ml

Sample Results

Potency per 1ml	Method J AOAC 2015 V98-6 (mod)Units mg/se			Batch: 2200100	Analyze: 1/5/22 6:13:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml [†]	< LOQ		mg/1ml	0.875	
CBC-A per 1ml [†]	< LOQ		mg/1ml	0.875	
CBC-Total per 1ml [†]	< LOQ		mg/1ml	1.64	
CBD per 1ml	54.2		mg/1ml	0.817	
CBD-A per 1ml	< LOQ		mg/1ml	0.875	
CBD-Total per 1ml	54.2		mg/1ml	1.53	
CBDV per 1ml [†]	< LOQ		mg/1ml	0.875	
CBDV-A per 1ml [†]	< LOQ		mg/1ml	0.875	
CBDV-Total per 1ml [†]	< LOQ		mg/1ml	1.63	
CBE per 1ml [†]	< LOQ		mg/1ml	0.875	
CBG per 1ml [†]	< LOQ		mg/1ml	0.875	
CBG-A per 1ml [†]	< LOQ		mg/1ml	0.875	
CBG-Total per 1ml [†]	< LOQ		mg/1ml	1.63	
CBL per 1ml [†]	< LOQ		mg/1ml	0.875	
CBL-A per 1ml [†]	< LOQ		mg/1ml	0.875	
CBL-Total per 1ml [†]	< LOQ		mg/1ml	1.64	
CBN per 1ml	< LOQ		mg/1ml	0.875	
CBT per 1ml [†]	< LOQ		mg/1ml	0.875	
Δ8-THCV per 1ml [†]	< LOQ		mg/1ml	0.875	
Δ8-THC per 1ml [†]	< LOQ		mg/1ml	0.875	
Δ9-THC per 1ml	< LOQ		mg/1ml	0.875	
exo-THC per 1ml [†]	< LOQ		mg/1ml	0.875	
THC-A per 1ml	< LOQ		mg/1ml	0.875	
THC-Total per 1ml	< LOQ		mg/1ml	1.64	
THCV per 1ml [†]	< LOQ		mg/1ml	0.875	
THCV-A per 1ml [†]	< LOQ		mg/1ml	0.875	
THCV-Total per 1ml [†]	< LOQ		mg/1ml	1.64	
Total Cannabinoids per 1ml	54.2		mg/1ml		



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These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, 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: 22-000011/D002.R000
Report Date: 01/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/04/22 10:27



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

Cannabis Chain of Custody Record

ORELAP ID: OR100028

Comp		Analysis Requested											Purchase Order Number:		
Conta		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	Project Number:	
Address														Matrix	Weight
Email		Field ID	Date/Time Collected												
[Redacted]		FORM-DL07(A)-TN.ISO.B050	12/21 1640			X									Laz Nat Discount
[Redacted]		FORM-DL07(A)-TN.ISO.B050	12/21 1640						X	X					
[Redacted]		FORM-DL07(A)-TN.ISO.B050	12/21 1640	X		X					X				potency test
[Redacted]															
[Redacted]															
[Redacted]															

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)	[Redacted]						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: 15.9°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
Effective 01/31/2019 Revised 01/31/2019

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Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.
Testing in accordance with: OAR 333-007-0430



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Report Number: 22-000011/D002.R000
Report Date: 01/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/04/22 10:27



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

Laboratory Quality Control Results

JAOAC2015 V986 Batch ID: 2200071

Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	0.203	0.2	%	101	85.0	- 115	Acceptable	
CBDV	0.227	0.2	%	114	85.0	- 115	Acceptable	
CBE	0.207	0.2	%	103	85.0	- 115	Acceptable	
CBD A	0.216	0.2	%	108	85.0	- 115	Acceptable	
CBGA	0.204	0.2	%	102	85.0	- 115	Acceptable	
CBG	0.209	0.2	%	104	85.0	- 115	Acceptable	
CBD	0.215	0.2	%	108	85.0	- 115	Acceptable	
THCV	0.202	0.2	%	101	85.0	- 115	Acceptable	
d8THCV	0.194	0.2	%	97.1	85.0	- 115	Acceptable	
THCVA	0.207	0.2	%	103	85.0	- 115	Acceptable	
CBN	0.211	0.2	%	106	85.0	- 115	Acceptable	
exo-THC	0.180	0.2	%	90.2	85.0	- 115	Acceptable	
d9THC	0.200	0.2	%	99.8	85.0	- 115	Acceptable	
d8THC	0.189	0.2	%	94.5	85.0	- 115	Acceptable	
CBL	0.188	0.2	%	93.8	85.0	- 115	Acceptable	
CBC	0.196	0.2	%	98.0	85.0	- 115	Acceptable	
THCA	0.207	0.2	%	103	85.0	- 115	Acceptable	
CBCA	0.205	0.2	%	102	85.0	- 115	Acceptable	
CBLA	0.204	0.2	%	102	85.0	- 115	Acceptable	
CBT	0.222	0.2	%	111	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	
CBD A	<LOQ	0.1	%	<	0.1	Acceptable	
CBGA	<LOQ	0.1	%	<	0.1	Acceptable	
CBG	<LOQ	0.1	%	<	0.1	Acceptable	
CBD	<LOQ	0.1	%	<	0.1	Acceptable	
THCV	<LOQ	0.1	%	<	0.1	Acceptable	
d8THCV	<LOQ	0.1	%	<	0.1	Acceptable	
THCVA	<LOQ	0.1	%	<	0.1	Acceptable	
CBN	<LOQ	0.1	%	<	0.1	Acceptable	
exo-THC	<LOQ	0.1	%	<	0.1	Acceptable	
d9THC	<LOQ	0.1	%	<	0.1	Acceptable	
d8THC	<LOQ	0.1	%	<	0.1	Acceptable	
CBL	<LOQ	0.1	%	<	0.1	Acceptable	
CBC	<LOQ	0.1	%	<	0.1	Acceptable	
THCA	<LOQ	0.1	%	<	0.1	Acceptable	
CBCA	<LOQ	0.1	%	<	0.1	Acceptable	
CBLA	<LOQ	0.1	%	<	0.1	Acceptable	
CBT	<LOQ	0.1	%	<	0.1	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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Portland, OR 97230
503-254-1794



Report Number: 22-000011/D002.R000
Report Date: 01/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/04/22 10:27

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

Laboratory Quality Control Results

JAOAC2015 V986								
Batch ID: 2200071								
Sample Duplicate								
Sample ID: 21-014799-0006-02								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	5.29	5.20	0.1	%	1.74	< 20	Acceptable	
CBDV	0.327	0.316	0.1	%	3.46	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDA	6.58	6.49	0.1	%	1.39	< 20	Acceptable	
CBGA	0.159	0.151	0.1	%	5.19	< 20	Acceptable	
CBG	44.8	44.2	0.1	%	1.55	< 20	Acceptable	
CBD	27.5	26.8	0.1	%	2.67	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THCV	0.324	0.282	0.1	%	13.8	< 20	Acceptable	
THCVA	0.251	0.227	0.1	%	10.1	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCA	0.452	0.432	0.1	%	4.46	< 20	Acceptable	
CBCA	0.442	0.421	0.1	%	4.75	< 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: 22-000011/D002.R000
Report Date: 01/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/04/22 10:27

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: 22-000011/D004.R000
Report Date: 01/14/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/04/22 10:27

Customer: Etz Hayim Holdings
Product identity: FORM-DL07(A)-TN.ISO.BO50
Client/Metric ID: .
Laboratory ID: 22-000011-0002

Summary

Microbiology:

Less than LOQ for all analytes.



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



Report Number: 22-000011/D004.R000
Report Date: 01/14/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/04/22 10:27

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

Product identity: FORM-DL07(A)-TN.ISO.BO50

Client/Metric ID: .

Sample Date:

Laboratory ID: 22-000011-0002

Evidence of Cooling: No

Temp: 15.9 °C

Relinquished by: Client

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2200225	01/13/22	AOAC 991.14 (Petrifilm)	X, I	
Total Coliforms	< LOQ		cfu/g	10	2200225	01/13/22	AOAC 991.14 (Petrifilm)	X, I	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2200226	01/14/22	AOAC 2014.05 (RAPID)	X, I	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2200226	01/14/22	AOAC 2014.05 (RAPID)	X, I	



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Report Number: 22-000011/D004.R000
Report Date: 01/14/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/04/22 10:27

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: 22-000011/D004.R000
Report Date: 01/14/2022
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Purchase Order:
Received: 01/04/22 10:27



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

Cannabis Chain of Custody Record

ORELAP ID: OR100028

Field ID		Date/Time Collected	Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Matrix	Weight	Serving size for edibles	Comments/Metric ID
FORM-DL07(A)-TN.ISO.B050		12/21 1640			X													Laz Nat Discount
FORM-DL07(A)-TN.ISO.B050		12/21 1640								X	X							
FORM-DL07(A)-TN.ISO.B050		12/21 1640	X			X						X						potency test

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)							Client Alias:
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)							Order Number:
<input type="checkbox"/> Priority Rush (2 day) (2x Standard)							Proper Container
							Sample Condition
							Temperature: 15.9°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
Effective 01/31/2019 Revised 01/31/2019

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 Portland, OR 97230
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Report Number: 22-000011/D004.R000
Report Date: 01/14/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/04/22 10:27

Explanation of QC Flag Comments:

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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.
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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: 22-000011/D003.R000
Report Date: 01/14/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/04/22 10:27

Customer: Etz Hayim Holdings
Product identity: FORM-DL07(A)-TN.ISO.BO50
Client/Metric ID: .
Laboratory ID: 22-000011-0003

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: 22-000011/D003.R000
Report Date: 01/14/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/04/22 10:27

Customer: Etz Hayim Holdings
 16427 NE Airport Way
 PORTLAND 97230
 United States of America (USA)
Product identity: FORM-DL07(A)-TN.ISO.BO50
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-000011-0003
Evidence of Cooling: No
Temp: 15.9 °C
Relinquished by: Client

Sample Results

Solvents		Method Residual Solvents by GC/MS				Units µg/g	Batch 2200376	Analyze 01/14/22 02:24 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							



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503-254-1794

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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2200267 Analyze 01/12/22 08:17 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	0.0428	2200292	01/12/22	AOAC 2013.06 (mod.)	pass	X	
Cadmium	< LOQ	0.200	mg/kg	0.0428	2200292	01/12/22	AOAC 2013.06 (mod.)	pass	X	
Lead	< LOQ	0.500	mg/kg	0.0428	2200292	01/12/22	AOAC 2013.06 (mod.)	pass	X	
Mercury	< LOQ	0.100	mg/kg	0.0214	2200292	01/12/22	AOAC 2013.06 (mod.)	pass	X	



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These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, 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



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

Cannabis Chain of Custody Record

ORELAP ID: OR100028

Field ID		Date/Time Collected	Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Matrix	Weight	Serving size for edibles	Comments/Metric ID
FORM-DL07(A)-TN.ISO.B050		12/21 1640			X													Laz Nat Discount
FORM-DL07(A)-TN.ISO.B050		12/21 1640								X	X							
FORM-DL07(A)-TN.ISO.B050		12/21 1640	X			X						X						potency test

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)							Client Alias:
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)							Order Number:
<input type="checkbox"/> Priority Rush (2 day) (2x Standard)							Proper Container
							Sample Condition
							Temperature: 15.9°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
Effective 01/31/2019 Revised 01/31/2019

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Report Date: 01/14/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/04/22 10:27

Revision: 2 Document ID: 3120
 LegacyID: CFLC21E fective:

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units mg/Kg		Laboratory Control Sample			BatchID 2200267	
Analyte	Blank Result	Blank Limits	Notes	LCSResult	LCS Spike	LCS% Rec	Limits	Notes
Method blank	0.018	< 0.250		1.106	1.000	110.6	73.3 - 136	
Accephate	0.000	< 1.000		3.986	4.000	99.7	74.6 - 139	
Acetaminopyr	0.000	< 0.100		0.440	0.400	110.1	73.0 - 136	
Aldicarb	0.000	< 0.200		0.846	0.800	105.8	74.2 - 138	
Abamectin	0.000	< 0.250		0.906	1.000	90.6	76.8 - 143	
Azoxystrobin	0.001	< 0.100		0.414	0.400	103.6	72.4 - 134	
Bifenazate	0.000	< 0.100		0.568	0.400	141.9	86.2 - 160	
Bifenthrin	0.000	< 0.100		0.397	0.400	99.3	72.7 - 135	
Boscalid	0.000	< 0.200		0.870	0.800	108.7	74.2 - 138	
Carbaryl	0.000	< 0.100		0.422	0.400	105.6	73.6 - 137	
Carbofuran	0.000	< 0.100		0.425	0.400	106.2	74.5 - 138	
Chlorantraniliprol	0.000	< 0.100		0.422	0.400	105.6	68.4 - 127	
Chlorfenapyr	0.025	< 0.500		2.097	2.000	104.9	73.5 - 137	
Chlorpyrifos	0.000	< 0.100		0.424	0.400	105.9	70.9 - 132	
Ofentefzine	0.000	< 0.100		0.421	0.400	105.1	71.8 - 133	
Ofluthrin	0.000	< 0.500		2.069	2.000	103.4	75.2 - 140	
Opemethrin	0.000	< 0.500		2.139	2.000	107.0	73.5 - 137	
Daminozide	0.272	< 0.500		2.415	2.000	120.7	72.1 - 134	
Diazinon	0.000	< 0.100		0.452	0.400	113.0	75.3 - 140	
Dichlorvos	0.000	< 0.500		2.082	2.000	104.1	72.3 - 134	
Dimethoat	0.000	< 0.100		0.438	0.400	109.6	72.9 - 135	
Ethoprophos	0.000	< 0.100		0.447	0.400	111.7	72.1 - 134	
Etofenprox	0.000	< 0.200		0.842	0.800	105.3	75.2 - 140	
Etoxazol	0.000	< 0.100		0.397	0.400	99.3	74.5 - 138	
Fenoxycarb	0.000	< 0.100		0.423	0.400	105.7	72.9 - 135	
Fenpyroximat	0.000	< 0.200		0.810	0.800	101.3	74.1 - 138	
Fipronil	0.000	< 0.200		0.898	0.800	112.2	75.1 - 139	
Fonicamid	0.000	< 0.250		0.910	1.000	91.0	73.0 - 136	
Fludioxonil	0.000	< 0.200		0.912	0.800	114.0	75.4 - 140	
Hexythiazox	0.000	< 0.250		1.029	1.000	102.9	71.6 - 133	
Imaza il	0.000	< 0.100		0.440	0.400	110.1	75.1 - 139	
Imidacloprid	0.000	< 0.200		0.836	0.800	104.5	73.5 - 137	
Kresoxim-Methyl	0.000	< 0.200		0.881	0.800	110.1	73.4 - 136	
Malathion	0.000	< 0.100		0.460	0.400	114.9	73.8 - 137	
Metaxalyl	0.000	< 0.100		0.425	0.400	106.3	73.7 - 137	
Methiocarb	0.007	< 0.100		0.423	0.400	105.7	73.4 - 136	
Methomyl	0.000	< 0.200		0.828	0.800	103.5	72.2 - 134	
MGK 264	0.000	< 0.100		0.420	0.400	104.9	73.6 - 137	
Mydobutanol	0.000	< 0.100		0.450	0.400	112.5	73.3 - 136	
Naled	0.000	< 0.250		1.063	1.000	106.3	73.3 - 136	
Oxaryl	0.000	< 0.500		2.205	2.000	110.2	72.7 - 135	
Padobutrazol	0.000	< 0.200		0.833	0.800	104.1	73.3 - 136	
Parathion Methyl	0.060	< 0.200		0.806	0.800	100.7	76.2 - 141	
Permethrin	0.000	< 0.100		0.409	0.400	102.3	73.0 - 136	
Phosmet	0.000	< 0.100		0.423	0.400	105.7	73.5 - 137	
Piperonyl butoxide	0.000	< 0.500		2.116	2.000	105.8	76.0 - 141	
Prallethrin	0.000	< 0.100		0.403	0.400	100.8	73.5 - 137	
Propiconazole	0.000	< 0.200		0.851	0.800	106.3	73.4 - 136	
Propoxur	0.004	< 0.100		0.424	0.400	105.9	72.6 - 135	
Pyrethrins	0.000	< 0.100		0.438	0.413	106.1	67.9 - 126	
Pyridaben	0.000	< 0.100		0.426	0.400	106.4	73.1 - 136	
Spinosad	0.000	< 0.100		0.404	0.388	104.2	75.5 - 140	
Spiromesfen	0.000	< 0.100		0.440	0.400	110.0	74.7 - 139	
Spirotetramet	0.000	< 0.100		0.430	0.400	107.4	73.6 - 137	
Spiroxamine	0.000	< 0.200		0.839	0.800	104.9	71.6 - 133	
Tebuconazol	0.000	< 0.200		0.869	0.800	108.6	74.1 - 138	
Thiadoprid	0.000	< 0.100		0.425	0.400	106.2	73.5 - 136	
Thiamethoxam	0.000	< 0.100		0.411	0.400	102.8	72.1 - 134	
Trifloxystrobin	0.000	< 0.100		0.417	0.400	104.3	73.5 - 137	



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Received: 01/04/22 10:27



Revision: 2 Document ID: 3120
LegacyID: CFLC21E fective:

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg					Batch ID: 2200267			
Matrix Spike/ Matrix Spike Duplicate Recoveries		Sample D: 22-000142-0001								
Analyte	Result	MSRes	MSD Res	Spike	RFD%	Limit	MS% Rec	MSD % Rec	Limits	Notes
Acephate	0.017	1.063	1.039	1.000	2.4%	< 30	104.6%	102.1%	50 - 150	
Acetamiprid	0.349	4.787	5.237	4.000	9.6%	< 30	110.9%	122.2%	50 - 150	
Acetamiprid	0.000	0.422	0.414	0.400	1.8%	< 30	105.4%	103.5%	50 - 150	
Aldicarb	0.000	0.820	0.848	0.800	3.3%	< 30	102.5%	106.0%	50 - 150	
Abamectin	0.000	0.823	0.908	1.000	9.8%	< 30	82.3%	90.8%	50 - 150	
Azoxystrobin	0.001	0.391	0.386	0.400	1.4%	< 30	97.5%	96.1%	50 - 150	
Bifenazate	0.000	0.622	0.613	0.400	1.6%	< 30	155.6%	153.2%	50 - 150	Q1
Bifenthrin	0.027	0.329	0.348	0.400	5.9%	< 30	75.7%	80.3%	50 - 150	
Boscalid	0.023	0.879	0.859	0.800	2.3%	< 30	107.0%	104.5%	50 - 150	
Carbaryl	0.000	0.380	0.390	0.400	2.7%	< 30	95.0%	97.6%	50 - 150	
Carbofuran	0.000	0.366	0.366	0.400	0.2%	< 30	91.4%	91.6%	50 - 150	
Chlorantraniliprol	0.000	0.406	0.408	0.400	0.4%	< 30	101.6%	102.0%	50 - 150	
Chlorfenapyr	0.087	1.709	1.694	2.000	1.0%	< 30	81.1%	80.3%	50 - 150	
Chlorpyrifos	0.017	0.133	0.117	0.400	15.1%	< 30	29.1%	25.0%	50 - 150	Q
Clofentezine	0.000	0.309	0.306	0.400	0.9%	< 30	77.2%	76.5%	50 - 150	
Cyfluthrin	0.000	1.042	0.982	2.000	5.9%	< 30	52.1%	49.1%	30 - 150	
Cypermethrin	0.000	1.931	2.024	2.000	4.7%	< 30	96.6%	101.2%	50 - 150	
Daminozide	0.294	2.423	2.422	2.000	0.0%	< 30	106.4%	106.4%	30 - 150	
Diazinon	0.000	0.419	0.423	0.400	1.0%	< 30	104.7%	105.7%	50 - 150	
Dichlorvos	0.000	1.941	1.917	2.000	1.2%	< 30	97.1%	95.9%	50 - 150	
Dimethoat	0.000	0.425	0.424	0.400	0.3%	< 30	106.3%	106.0%	50 - 150	
Ethoprophos	0.013	0.410	0.414	0.400	1.0%	< 30	99.3%	100.3%	50 - 150	
Etofenprox	0.000	0.721	0.763	0.800	5.7%	< 30	90.1%	95.4%	50 - 150	
Etoxazol	0.000	0.405	0.409	0.400	1.0%	< 30	101.3%	102.4%	50 - 150	
Fenoxycarb	0.000	0.335	0.330	0.400	1.6%	< 30	83.7%	82.4%	50 - 150	
Fenpyroximat	0.000	0.664	0.708	0.800	6.5%	< 30	83.0%	88.5%	50 - 150	
Fipronil	0.000	0.478	0.459	0.800	4.0%	< 30	59.8%	57.4%	50 - 150	
Fonicamid	0.123	0.993	0.874	1.000	14.7%	< 30	86.9%	75.0%	50 - 150	
Fludioxonil	0.000	0.922	0.741	0.800	21.8%	< 30	115.2%	92.6%	50 - 150	
Hexythiazox	0.000	0.246	0.246	1.000	0.2%	< 30	24.6%	24.6%	50 - 150	Q
Imazalil	0.005	0.411	0.411	0.400	0.2%	< 30	101.6%	101.4%	50 - 150	
Imidacloprid	0.000	0.829	0.813	0.800	1.9%	< 30	103.6%	101.7%	50 - 150	
Kresoxim-Methyl	0.000	0.756	0.753	0.800	0.4%	< 30	94.5%	94.1%	50 - 150	
Malathion	0.000	0.423	0.419	0.400	0.8%	< 30	105.7%	104.9%	50 - 150	
Metaxalyl	0.005	0.403	0.406	0.400	0.6%	< 30	99.5%	100.1%	50 - 150	
Methiocarb	0.000	0.384	0.361	0.400	6.1%	< 30	96.1%	90.4%	50 - 150	
Methomyl	0.000	0.865	0.848	0.800	2.0%	< 30	108.2%	106.0%	50 - 150	
MGK 264	0.008	0.237	0.225	0.400	5.4%	< 30	57.2%	54.2%	50 - 150	
Mydobutani	0.000	0.402	0.418	0.400	4.0%	< 30	100.5%	104.6%	50 - 150	
Naled	0.000	0.867	0.927	1.000	6.7%	< 30	86.7%	92.7%	50 - 150	
Oxamyl	0.000	2.307	2.051	2.000	11.8%	< 30	115.4%	102.6%	50 - 150	
Padobutrazol	0.000	0.732	0.730	0.800	0.2%	< 30	91.4%	91.3%	50 - 150	
Parathion Methyl	0.051	0.755	0.891	0.800	17.7%	< 30	87.9%	105.0%	30 - 150	
Permethrin	0.000	0.412	0.410	0.400	0.5%	< 30	103.1%	102.6%	50 - 150	
Phosmet	0.000	0.413	0.400	0.400	3.1%	< 30	103.2%	100.0%	50 - 150	
Piperonyl butoxide	0.045	2.003	2.045	2.000	2.1%	< 30	97.9%	100.0%	50 - 150	
Prallethrin	0.078	0.254	0.283	0.400	15.4%	< 30	43.9%	51.2%	50 - 150	Q
Propiconazole	0.000	0.772	0.781	0.800	1.3%	< 30	96.5%	97.7%	50 - 150	
Propoxur	0.001	0.401	0.404	0.400	0.8%	< 30	99.9%	100.7%	50 - 150	
Pyrethrins	0.015	0.664	0.569	0.413	15.6%	< 30	157.1%	134.3%	50 - 150	Q1
Pyridaben	0.000	0.435	0.439	0.400	1.0%	< 30	108.7%	109.8%	50 - 150	
Spinosad	0.000	0.367	0.376	0.388	2.5%	< 30	94.6%	97.0%	50 - 150	
Spiromesfen	0.033	0.459	0.428	0.400	7.4%	< 30	106.4%	98.8%	50 - 150	
Spirotetramat	0.000	0.440	0.456	0.400	3.7%	< 30	110.0%	114.1%	50 - 150	
Sproxamine	0.000	0.831	0.837	0.800	0.8%	< 30	103.9%	104.7%	50 - 150	
Tebuconazol	0.000	0.725	0.718	0.800	0.9%	< 30	90.6%	89.8%	50 - 150	
Thiadoprid	0.000	0.399	0.403	0.400	0.9%	< 30	99.8%	100.6%	50 - 150	
Thiamethoxam	0.000	0.416	0.399	0.400	4.2%	< 30	103.9%	99.7%	50 - 150	
Trifloxystrobin	0.008	0.373	0.386	0.400	3.5%	< 30	91.4%	94.7%	50 - 150	

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: 22-000011/D003.R000
Report Date: 01/14/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/04/22 10:27

Revision Document ID
 Legacy ID Effective

Laboratory Quality Control Results

Residual Solvents		Batch ID: 2200376							
Method Blank	Laboratory Control Sample								
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	200		39	0	µg/g	99.0	0	0
Isobutane	ND	200		5	98	µg/g	03.2	0	0
Butane	ND	200		5.2	93	µg/g	03.9	0	0
2,2-Dimethylpropane	ND	200		5	628	µg/g	9	0	0
Methanol	ND	200		6.0	6.0	µg/g	00.0	0	0
Ethylene Oxide	ND	30		3	3.2	µg/g	00.5	0	0
2-Methylbutane	ND	200		680	630	µg/g	03	0	0
Pentane	ND	200		690	6.0	µg/g	05.0	0	0
Ethanol	ND	200		850	630	µg/g	3.5	0	0
Ethyl Ether	ND	200		0	6.0	µg/g	06.2	0	0
2,2-Dimethylbutane	ND	30		8	65	µg/g	3.3	0	0
Acetone	ND	200		0	6.0	µg/g	06.2	0	0
2-Propanol	ND	200		820	6.0	µg/g	3.0	0	0
Ethyl Formate	ND	500		660	620	µg/g	02.5	0	0
Acetonitrile	ND	00		606	98	µg/g	2	0	0
Methyl Acetate	ND	500		930	8.0	µg/g	06.6	0	0
2,3-Dimethylbutane	ND	30		2	62	µg/g	06.2	0	0
Dichloromethane	ND	60		526	98	µg/g	05.6	0	0
2-Methylpentane	ND	30		8	6	µg/g	0.2	0	0
M. BE	ND	500		650	6.0	µg/g	02.5	0	0
3-Methylpentane	ND	30		93	9	µg/g	0.8	0	0
Hexane	ND	30		2	6	µg/g	0.9	0	0
Propanol	ND	500		620	620	µg/g	00.0	0	0
Methyl ethyl ketone	ND	500		00	0	µg/g	96.0	0	0
Ethyl acetate	ND	200		30	620	µg/g	06.8	0	0
2-Butanol	ND	200		20.0	600	µg/g	25.6	0	0
tetrahydrofuran	ND	00		55	500	µg/g		0	0
Cyclohexane	ND	200		20	6.0	µg/g	06.8	0	0
2-methyl propanol	ND	500		530	6.0	µg/g	95.0	0	0
Benzene	ND			6.52	5.62	µg/g	6.0	0	0
Isopropyl Acetate	ND	200		0	6.0	µg/g	09.9	0	0
Heptane	ND	200		60	6.0	µg/g	09.3	0	0
Butanol	ND	500		20	620	µg/g	06.2	0	0
Propyl Acetate	ND	500		60	620	µg/g	08.6	0	0
Dioxane	ND	00		5.9	502	µg/g	5.3	0	0
2-Ethoxyethanol	ND	30		80	6	µg/g	09.8	0	0
Methyl isobutyl ketone	ND	500		00	620	µg/g	0.9	0	0
3-Methyl butanol	ND	500		5.0	620	µg/g	95	0	0
Ethylene Glycol	ND	200		36	502	µg/g	6.6	0	0
o-xylene	ND	200		562	88	µg/g	5.2	0	0
Isobutyl Acetate	ND	500		860	00	µg/g	09	0	0
Pentanol	ND	500		630	630	µg/g	00.0	0	0
Butyl Acetate	ND	500		950	660	µg/g	5	0	0
Ethyl benzene	ND	200		220	65	µg/g	26	0	0
m,p-Xylene	ND	200		260	990	µg/g	2.3	0	0
o-Xylene	ND	200		230	9	µg/g	26	0	0
Cumene	ND	30		230	9	µg/g	28.5	0	0
Anisole	ND	500		5.0	650	µg/g	9.5	0	0
DMSO	ND	500		50	630	µg/g	0	0	0
2,2-dimethoxyethane	ND	50		202	83	µg/g	0	0	0
diethylamine	ND	500		660	620	µg/g	02.5	0	0
N,N-dimethylformamide	ND	50		88	95	µg/g	98.6	0	0
N,N-dimethylacetamide	ND	50		629	502	µg/g	25.3	0	0
Pyridine	ND	50		83	86	µg/g	98	0	0
2-Dichloroethane	ND			25		µg/g	25.0	0	0
Chloroform	ND			3		µg/g	3.0	0	0
trichloroethylene	ND			23		µg/g	23.0	0	0



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QC Sample Duplicate Sample ID: 22 000320 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	
Methyl Ethyl Ketone	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	
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	
Ethylene 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,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	
2,4 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	
1,1,2,2-tetrachloroethane	ND	ND	100	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



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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.