

## CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

<b>BULK SKU</b> TN.O.FS.PET20	<b>BATCH #</b> DL05(A)	<b>LOQ:</b> Limit Of Quantitation <b>LOD:</b> Limit Of Detection	
<b>PRODUCT NAME</b> Calming CBD Pet Tincture	<b>SERVING SIZE</b> 1 mL	1 g = 10 <sup>-3</sup> kg = 10 <sup>3</sup> mg = 10 <sup>6</sup> µg 1 mg/kg = 1 ppm = 1000 ppb	
<b>LABORATORY:</b> Columbia Laboratories	<b>OREGON ACCREDITATION:</b> OR100028		

POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	21.2 mg/serving	22.48 mg/g	2.25 %
Total THC (d9-THC, THCA)	0.767 mg/serving	0.81 mg/g	0.08 %
Cannabigerol (CBG)	0.391 mg/serving	0.41 mg/g	0.04 %
Cannabinol (CBN)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Cannabichromene (CBC)	0.754 mg/serving	0.8 mg/g	0.08 %
Tetrahydrocannabinolic Acid (THCA)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Delta-9-THC (d9-THC)	0.767 mg/serving	0.81 mg/g	0.08 %
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 <sup>[1]</sup>
Cadmium	<LOQ µg/serving	<LOQ µg/g	4.1 µg/day <sup>[1]</sup>
Lead	<LOQ µg/serving	<LOQ µg/g	3.5 µg/day <sup>[2]</sup>
Mercury	<LOQ µg/serving	<LOQ µg/g	2 µg/day <sup>[1]</sup>

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

RESIDUAL SOLVENTS	Results	REGULATORY ACTION LEVEL
Ethanol	<LOQ	50,000 mg/day
Heptane	<LOQ	50,000 mg/day
None of the 34 residual solvents tested found above limit of quantitation in the sample.		

MICROBIAL	PASS/FAIL
Yeast & Mold	Pass
Coliform	Pass

TERPENES	% OF SAMPLE
Farnesene	0.0348 %
β-Caryophyllene	0.0349 %
α-Bisabolol	<LOQ %
Guaiol	<LOQ %
Humulene	<LOQ %
Caryophyllene Oxide	<LOQ %



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:** 22-001127/D002.R000  
**Report Date:** 02/07/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/31/22 16:24

**Customer:** Etz Hayim Holdings  
**Product identity:** DL05(A)-TN.O.FS.PET20  
**Client/Metric ID:** .  
**Laboratory ID:** 22-001127-0001

### Summary

**Potency:**

Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml <sup>†</sup>	0.754		mg/1ml		CBD Total per 1ml 21.2 mg/1ml
CBD per 1ml	21.2		mg/1ml		
CBDV per 1ml <sup>†</sup>	0.121		mg/1ml		THC-Total per 1ml 0.767 mg/1ml
CBE per 1ml <sup>†</sup>	0.236		mg/1ml		
CBG per 1ml <sup>†</sup>	0.391		mg/1ml		(Reported in milligrams per serving)
CBT per 1ml <sup>†</sup>	0.405		mg/1ml		
Δ <sup>9</sup> THC per 1ml	0.767		mg/1ml		



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

**Product identity:** DL05(A)-TN.O.FS.PET20

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 22-001127-0001

**Evidence of Cooling:** No

**Temp:** 16.8 °C

**Relinquished by:** Client

**Density:** 0.9490 g/ml

**Serving Size #1:** 0.949 g

### Sample Results

Potency per 1ml	Method J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2200906	Analyze: 2/1/22 9:19:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml <sup>†</sup>	0.754		mg/1ml	0.0310	
CBC-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	
CBC-Total per 1ml <sup>†</sup>	0.754		mg/1ml	0.0583	
CBD per 1ml	21.2		mg/1ml	0.310	
CBD-A per 1ml	< LOQ		mg/1ml	0.0310	
CBD-Total per 1ml	21.2		mg/1ml	0.338	
CBDV per 1ml <sup>†</sup>	0.121		mg/1ml	0.0310	
CBDV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	
CBDV-Total per 1ml <sup>†</sup>	0.121		mg/1ml	0.0579	
CBE per 1ml <sup>†</sup>	0.236		mg/1ml	0.0310	
CBG per 1ml <sup>†</sup>	0.391		mg/1ml	0.0310	
CBG-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	
CBG-Total per 1ml <sup>†</sup>	0.391		mg/1ml	0.0579	
CBL per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	
CBL-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	
CBL-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0583	
CBN per 1ml	< LOQ		mg/1ml	0.0310	
CBT per 1ml <sup>†</sup>	0.405		mg/1ml	0.0310	
Δ8-THCV per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	
Δ8-THC per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	
Δ9-THC per 1ml	0.767		mg/1ml	0.0310	
exo-THC per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	
THC-A per 1ml	< LOQ		mg/1ml	0.0310	
THC-Total per 1ml	0.767		mg/1ml	0.0583	
THCV per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	
THCV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	
THCV-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0583	
Total Cannabinoids per 1ml	23.8		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



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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
[REDACTED]					X													
DLS(A)-IND.FS.RET20		1/31/22 4:00pm			X										Liquid/N			LAB. NAT. Discount Parallel Path
DLS(A)-IND.FS.RET20		1/31/22 4:00pm	X			X			X	X	X	X						

Purchase Order Number:  
Project Number:  
Project Name:  
 Report Instructions:  
 Send to State - METRC  
 Email Final Results:  
 Fax Final Results  
 Cash/Check/CC/Net 30  
Other:

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input 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)	[REDACTED]						Client Alias: Order Number: Proper Container: Sample Condition: Temperature: 16.8 Shipped Via: client Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No

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

Revision: 1.02 Control#: CFD23  
Effective 01/31/2019 Revised 01/31/2019

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Portland, OR 97230  
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**Report Number:** 22-001127/D002.R000  
**Report Date:** 02/07/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/31/22 16:24

Revision 1 Document D 7148  
Legacy D Worksheet Validated 04/20/2021

**Laboratory Quality Control Results**

J AOAC 2015 V98-6							
Batch ID: 2200906							
Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.00966	0.01	%	96.6	85.0 - 115	Acceptable	
CBDV	0.0107	0.01	%	107	85.0 - 115	Acceptable	
CBE	0.00955	0.01	%	95.5	85.0 - 115	Acceptable	
CBDA	0.0105	0.01	%	105	85.0 - 115	Acceptable	
CBGA	0.00964	0.01	%	96.4	85.0 - 115	Acceptable	
CBG	0.00962	0.01	%	96.2	85.0 - 115	Acceptable	
CBD	0.0103	0.01	%	103	85.0 - 115	Acceptable	
THCV	0.00965	0.01	%	96.5	85.0 - 115	Acceptable	
d8THCV	0.00920	0.01	%	92.0	85.0 - 115	Acceptable	
THCVA	0.00944	0.01	%	94.4	85.0 - 115	Acceptable	
CBN	0.0105	0.01	%	105	85.0 - 115	Acceptable	
exo-THC	0.00895	0.01	%	89.5	85.0 - 115	Acceptable	
d9THC	0.0102	0.01	%	102	85.0 - 115	Acceptable	
d8THC	0.00914	0.01	%	91.4	85.0 - 115	Acceptable	
CBL	0.00896	0.01	%	89.6	85.0 - 115	Acceptable	
CBC	0.00994	0.01	%	99.4	85.0 - 115	Acceptable	
THCA	0.0101	0.01	%	101	85.0 - 115	Acceptable	
CBCA	0.00991	0.01	%	99.1	85.0 - 115	Acceptable	
CBLA	0.00970	0.01	%	97.0	85.0 - 115	Acceptable	
CBT	0.0112	0.01	%	112	85.0 - 115	Acceptable	

**Method Blank**

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBE	<LOQ	0.003	%	< 0.003	Acceptable	
CBDA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<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	
d8THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	<LOQ	0.003	%	< 0.003	Acceptable	
d9THC	<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	
CBLA	<LOQ	0.003	%	< 0.003	Acceptable	
CBT	<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



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Revision 1 Document D 7148  
Legacy D Worksheet Validated 04/20/2021

**Laboratory Quality Control Results**

J AOAC 2015 V98-6								
Batch ID: 2200906								
Sample Duplicate								
Sample D 22-000789-0001-01								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0398	0.0426	0.003	%	6.78	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0294	0.0326	0.003	%	10.0	< 20	Acceptable	
CBD	7.47	8.28	0.003	%	10.3	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.00428	0.00462	0.003	%	7.64	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	0.00505	0.00565	0.003	%	11.1	< 20	Acceptable	
CBC	0.0123	0.0127	0.003	%	2.56	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	0.139	0.148	0.003	%	6.28	< 20	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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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.



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**Report Number:** 22-001127/D003.R000  
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**Purchase Order:**  
**Received:** 01/31/22 16:24

**Customer:** Etz Hayim Holdings  
**Product identity:** DL05(A)-TN.O.FS.PET20  
**Client/Metric ID:** .  
**Laboratory ID:** 22-001127-0002

### Summary

**Residual Solvents:**

All analytes passing and less than LOQ.

**Pesticides:**

All analytes passing and less than LOQ.

**Terpenes:**

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
β-Caryophyllene†	0.0349	50.07%	farnesene†	0.0348	49.93%
<b>Total Terpenes†</b>	<b>0.0697</b>	<b>100.00%</b>			

**Metals:**

Less than LOQ for all analytes.

**Microbiology:**

Less than LOQ for all analytes.



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

**Product identity:** DL05(A)-TN.O.FS.PET20

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 22-001127-0002

**Evidence of Cooling:** No

**Temp:** 16.8 °C

**Relinquished by:** Client

### Sample Results

#### Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2200845	02/03/22	AOAC 991.14 (Petrifilm)	X, I	
Total Coliforms	< LOQ		cfu/g	10	2200845	02/03/22	AOAC 991.14 (Petrifilm)	X, I	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2200846	02/04/22	AOAC 2014.05 (RAPID)	X, I	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2200846	02/04/22	AOAC 2014.05 (RAPID)	X, I	

Solvents		Method Residual Solvents by GC/MS				Units µg/g		Batch 2200970		Analyze 02/03/22 03:06 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-Dimethyl butane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200		
2,3-Dimethyl butane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethanol <sup>l</sup>	< 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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**Purchase Order:**  
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Pesticides					Method AOAC 2007.01 & EN 15662 (mod)	Units mg/kg	Batch 2200919	Analyze 02/03/22 08:12 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							



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2200967	Analyze 02/03/22 09:22 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
β-Caryophyllene <sup>†</sup>	0.0349	0.019	50.0717%		farnesene <sup>†</sup>	0.0348	0.019	49.9283%	
α-Bisabolol <sup>†</sup>	< LOQ	0.019	0.00%		β-Myrcene <sup>†</sup>	< LOQ	0.019	0.00%	
Humulene <sup>†</sup>	< LOQ	0.019	0.00%		Geraniol <sup>†</sup>	< LOQ	0.019	0.00%	
(-)-caryophyllene oxide <sup>†</sup>	< LOQ	0.019	0.00%		α-phellandrene <sup>†</sup>	< LOQ	0.019	0.00%	
nerol <sup>†</sup>	< LOQ	0.019	0.00%		trans-β-Ocimene <sup>†</sup>	< LOQ	0.012	0.00%	
α-Terpinene <sup>†</sup>	< LOQ	0.019	0.00%		p-Cymene <sup>†</sup>	< LOQ	0.019	0.00%	
cis-β-Ocimene <sup>†</sup>	< LOQ	0.006	0.00%		(R)-(+)-Limonene <sup>†</sup>	< LOQ	0.019	0.00%	
Linalool <sup>†</sup>	< LOQ	0.019	0.00%		Geranyl acetate <sup>†</sup>	< LOQ	0.019	0.00%	
Terpinolene <sup>†</sup>	< LOQ	0.019	0.00%		γ-Terpinene <sup>†</sup>	< LOQ	0.019	0.00%	
(-)-Guaiol <sup>†</sup>	< LOQ	0.019	0.00%		Sabinene <sup>†</sup>	< LOQ	0.019	0.00%	
(+)-Pulegone <sup>†</sup>	< LOQ	0.019	0.00%		(±)-Camphor <sup>†</sup>	< LOQ	0.019	0.00%	
(+)-Cedrol <sup>†</sup>	< LOQ	0.019	0.00%		Menthol <sup>†</sup>	< LOQ	0.019	0.00%	
(-)-β-Pinene <sup>†</sup>	< LOQ	0.019	0.00%		(-)-α-Terpineol <sup>†</sup>	< LOQ	0.019	0.00%	
Camphene <sup>†</sup>	< LOQ	0.019	0.00%		Sabinene hydrate <sup>†</sup>	< LOQ	0.019	0.00%	
valencene <sup>†</sup>	< LOQ	0.019	0.00%		Eucalyptol <sup>†</sup>	< LOQ	0.019	0.00%	
(±)-fenchone <sup>†</sup>	< LOQ	0.019	0.00%		(±)-trans-Nerolidol <sup>†</sup>	< LOQ	0.019	0.00%	
(-)-Isopulegol <sup>†</sup>	< LOQ	0.019	0.00%		(+)-Borneol <sup>†</sup>	< LOQ	0.019	0.00%	
(+)-fenchol <sup>†</sup>	< LOQ	0.019	0.00%		(±)-cis-Nerolidol <sup>†</sup>	< LOQ	0.019	0.00%	
α-cedrene <sup>†</sup>	< LOQ	0.019	0.00%		α-pinene <sup>†</sup>	< LOQ	0.019	0.00%	
d-3-Carene <sup>†</sup>	< LOQ	0.019	0.00%		Isoborneol <sup>†</sup>	< LOQ	0.019	0.00%	
<b>Total Terpenes</b>	<b>0.0697</b>								



Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.0838	2201011	02/04/22	AOAC 2013.06 (mod.)	pass	X
Cadmium	< LOQ	0.200	mg/kg	0.0838	2201011	02/04/22	AOAC 2013.06 (mod.)	pass	X
Lead	< LOQ	0.500	mg/kg	0.0838	2201011	02/04/22	AOAC 2013.06 (mod.)	pass	X
Mercury	< LOQ	0.100	mg/kg	0.0419	2201011	02/04/22	AOAC 2013.06 (mod.)	pass	X



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



**Report Number:** 22-001127/D003.R000  
**Report Date:** 02/07/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/31/22 16:24

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**

cfu/g = Colony forming units per gram

µg/g = Microgram per gram

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

% = Percentage of sample

% wt = µg/g divided by 10,000

**Glossary of Qualifiers**

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: 22-001127/D003.R000  
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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		Analysis Requested											Purchase Order Number:				
				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	Project Number:
[REDACTED]		[REDACTED]				X													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:
DL5(CA)-IND.FS.RET20		1/31/22 4:00pm				X													<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:
DL5(CA)-IND.FS.RET20		1/31/22 4:00pm		X			X			X	X	X	X						<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:
																			<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:
																			<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:
																			<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:
																			<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:

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab 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)	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	Client Alias: Order Number: Proper Container: Sample Condition: Temperature: 16.8 Shipped Via: client Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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



**Report Number:** 22-001127/D003.R000  
**Report Date:** 02/07/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/31/22 16:24

Rev s o 3 Docume D 3 20  
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**Laboratory Pesticide Quality Control Results**

AOAC 2007.1 & EN 15662		Units: mg/Kg		Laboratory Control Sample			Batch ID: 2200919	
Method Blank	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		0.998	1.000	99.8	80.8	124
Acephate	0.000	< 0.250		0.987	1.000	98.7	69.9	121
Acequinocyl	0.000	< 1.000		3.561	4.000	89.0	83.6	119
Acetamiprid	0.000	< 0.100		0.392	0.400	97.9	67.7	126
Aldicarb	0.000	< 0.200		0.780	0.800	97.5	70.6	129
Azoxystrobin	0.000	< 0.100		0.366	0.400	91.6	77.8	123
Bifenazate	0.000	< 0.100		0.432	0.400	108.1	87.3	162
Bifenthrin	0.000	< 0.100		0.369	0.400	92.2	74.5	120
Boscalid	0.000	< 0.200		0.795	0.800	99.3	74.3	131
Carbaryl	0.000	< 0.100		0.376	0.400	93.9	81.3	122
Carbofuran	0.000	< 0.100		0.370	0.400	92.4	71.8	133
Chlorantraniliprol	0.000	< 0.100		0.392	0.400	98.0	82.4	121
Chlorfenapyr	0.130	< 0.500		1.933	2.000	96.6	71.4	133
Chlorpyrifos	0.000	< 0.100		0.380	0.400	94.9	72.4	120
Clofentazine	0.000	< 0.100		0.373	0.400	93.3	76.4	121
Cyfluthrin	0.000	< 0.500		1.753	2.000	87.6	70.3	131
Cypermethrin	0.000	< 0.500		1.929	2.000	96.5	75.2	125
Daminozide	0.292	< 0.500		2.057	2.000	102.8	78.9	146
Diazinon	0.000	< 0.100		0.392	0.400	98.0	71.9	133
Dichlorvos	0.000	< 0.500		1.841	2.000	92.1	82.4	113
Dimethoat	0.000	< 0.100		0.388	0.400	97.1	82.6	118
Ethoprophos	0.000	< 0.100		0.386	0.400	96.4	74.9	126
Etofenprox	0.000	< 0.200		0.743	0.800	92.9	73.4	136
Etoxazol	0.000	< 0.100		0.400	0.400	100.0	75.2	131
Fenoxycarb	0.000	< 0.100		0.386	0.400	96.4	82.8	118
Fenpyroximat	0.000	< 0.200		0.766	0.800	95.7	79.9	121
Fipronil	0.000	< 0.200		0.813	0.800	101.7	85.4	127
Flonicamid	0.000	< 0.250		0.776	1.000	77.6	72.2	127
Fludioxonil	0.000	< 0.200		0.770	0.800	96.2	72.0	134
Hexythiazox	0.000	< 0.250		0.944	1.000	94.4	73.0	131
Imazalil	0.000	< 0.100		0.397	0.400	99.1	75.1	132
Imidacloprid	0.000	< 0.200		0.700	0.800	87.5	80.0	121
Kresoxim Methyl	0.000	< 0.200		0.764	0.800	95.5	77.3	125
Malathion	0.000	< 0.100		0.372	0.400	93.0	76.2	130
Metaxalyl	0.000	< 0.100		0.373	0.400	93.2	80.5	121
Methiocarb	0.006	< 0.100		0.378	0.400	94.6	82.0	121
Methomyl	0.000	< 0.200		0.678	0.800	84.8	68.3	127
MGK 264	0.000	< 0.100		0.383	0.400	95.8	77.4	124
Myclobutanil	0.000	< 0.100		0.377	0.400	94.1	74.9	127
Naled	0.000	< 0.250		0.929	1.000	92.9	82.6	115
Oxamyl	0.000	< 0.500		1.764	2.000	88.2	73.4	124
Paclobutrazol	0.000	< 0.200		0.760	0.800	95.0	80.7	121
Parathion Methyl	0.000	< 0.200		0.749	0.800	93.6	80.3	127
Permethrin	0.000	< 0.100		0.403	0.400	100.8	70.0	124
Phosmet	0.000	< 0.100		0.366	0.400	91.5	81.3	122
Piperonyl butoxide	0.000	< 0.500		1.997	2.000	99.8	71.8	133
Prallethrin	0.000	< 0.100		0.382	0.400	95.5	77.0	124
Propiconazole	0.000	< 0.200		0.751	0.800	93.9	82.8	120
Propoxur	0.000	< 0.100		0.371	0.400	92.7	74.7	126
Pyrethrins	0.000	< 0.100		0.401	0.413	97.1	73.3	136
Pyridaben	0.000	< 0.100		0.376	0.400	94.1	75.2	126
Spinosad	0.000	< 0.100		0.366	0.388	94.4	74.9	139
Spiromesifen	0.000	< 0.100		0.370	0.400	92.5	78.0	128
Spirotetramat	0.000	< 0.100		0.383	0.400	95.9	80.7	123
Spiroxamine	0.000	< 0.200		0.737	0.800	92.2	75.6	122
ebuconazol	0.000	< 0.200		0.771	0.800	96.4	80.6	123
hiacloprid	0.000	< 0.100		0.380	0.400	95.0	80.8	122
hiamethoxam	0.000	< 0.100		0.337	0.400	84.3	70.9	130
rifloxystrobin	0.000	< 0.100		0.364	0.400	90.9	76.4	128





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



Report Number: 22-001127/D003.R000  
 Report Date: 02/07/2022  
 ORELAP#: OR100028  
 Purchase Order:  
 Received: 01/31/22 16:24

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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg					Batch ID: 2200919			
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 22-001070-0001								
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	1.008	0.827	1.000	19.8%	< 30	100.8%	82.7%	50 150	
Acephate	0.000	0.946	0.914	1.000	3.4%	< 30	94.6%	91.4%	50 150	
Acequinocyl	0.347	3.599	3.757	4.000	4.7%	< 30	81.3%	85.3%	50 150	
Acetamiprid	0.000	0.381	0.380	0.400	0.3%	< 30	95.3%	95.0%	50 150	
Aldicarb	0.000	0.799	0.689	0.800	14.8%	< 30	99.9%	86.1%	50 150	
Azoxystrobin	0.000	0.329	0.329	0.400	0.1%	< 30	82.3%	82.2%	50 150	
Bifenazate	0.000	0.487	0.466	0.400	4.3%	< 30	121.8%	116.6%	50 150	
Bifenthrin	0.008	0.299	0.293	0.400	2.1%	< 30	72.9%	71.3%	50 150	
Boscalid	0.000	0.761	0.786	0.800	3.3%	< 30	95.1%	98.3%	50 150	
Carbaryl	0.000	0.338	0.345	0.400	1.9%	< 30	84.6%	86.2%	50 150	
Carbofuran	0.000	0.321	0.320	0.400	0.1%	< 30	80.2%	80.1%	50 150	
Chlorantraniliprol	0.000	0.385	0.370	0.400	3.8%	< 30	96.3%	92.6%	50 150	
Chlorfenapyr	0.146	1.788	1.950	2.000	9.4%	< 30	82.1%	90.2%	50 150	
Chlorpyrifos	0.009	0.151	0.129	0.400	16.6%	< 30	35.6%	30.1%	50 150	Q
Clofentezine	0.000	0.272	0.266	0.400	2.2%	< 30	68.1%	66.6%	50 150	
Cyfluthrin	0.000	0.982	0.891	2.000	9.6%	< 30	49.1%	44.6%	30 150	
Cypermethrin	0.000	1.507	1.453	2.000	3.7%	< 30	75.4%	72.7%	50 150	
Daminozide	0.264	2.209	2.221	2.000	0.6%	< 30	97.2%	97.8%	30 150	
Diazinon	0.000	0.360	0.353	0.400	2.0%	< 30	90.0%	88.3%	50 150	
Dichlorvos	0.000	1.773	1.750	2.000	1.3%	< 30	88.6%	87.5%	50 150	
Dimethoat	0.000	0.381	0.365	0.400	4.4%	< 30	95.3%	91.2%	50 150	
Ethoprophos	0.001	0.369	0.364	0.400	1.5%	< 30	92.1%	90.8%	50 150	
Etofenprox	0.000	0.685	0.698	0.800	1.8%	< 30	85.6%	87.2%	50 150	
Etoxazol	0.000	0.382	0.377	0.400	1.5%	< 30	95.5%	94.1%	50 150	
Fenoxycarb	0.000	0.303	0.303	0.400	0.1%	< 30	75.8%	75.7%	50 150	
Fenpyroximat	0.000	0.672	0.667	0.800	0.7%	< 30	83.9%	83.3%	50 150	
Fipronil	0.000	0.416	0.428	0.800	2.7%	< 30	52.0%	53.5%	50 150	
Flonicamid	0.000	0.845	0.831	1.000	1.7%	< 30	84.5%	83.1%	50 150	
Fludioxonil	0.000	0.830	0.777	0.800	6.7%	< 30	103.8%	97.1%	50 150	
Hexythiazox	0.000	0.156	0.161	1.000	3.2%	< 30	15.6%	16.1%	50 150	Q
Imazalil	0.000	0.376	0.355	0.400	5.7%	< 30	93.9%	88.7%	50 150	
Imidacloprid	0.000	0.759	0.767	0.800	1.0%	< 30	94.9%	95.8%	50 150	
Kresoxim Methyl	0.000	0.696	0.701	0.800	0.7%	< 30	87.0%	87.6%	50 150	
Malathion	0.005	0.399	0.389	0.400	2.7%	< 30	98.6%	96.0%	50 150	
Metalaxyl	0.000	0.359	0.361	0.400	0.7%	< 30	89.7%	90.3%	50 150	
Methiocarb	0.010	0.373	0.331	0.400	12.2%	< 30	90.7%	80.3%	50 150	
Methomyl	0.000	0.747	0.760	0.800	1.7%	< 30	93.4%	94.9%	50 150	
MGK 264	0.000	0.200	0.195	0.400	2.7%	< 30	50.0%	48.7%	50 150	Q
Myclobutanil	0.000	0.356	0.357	0.400	0.1%	< 30	89.1%	89.2%	50 150	
Naled	0.000	0.778	0.772	1.000	0.7%	< 30	77.8%	77.2%	50 150	
Oxamyl	0.000	1.877	1.931	2.000	2.9%	< 30	93.8%	96.5%	50 150	
Paclobutrazol	0.000	0.677	0.704	0.800	3.9%	< 30	84.6%	88.0%	50 150	
Parathion Methyl	0.004	0.701	0.720	0.800	2.8%	< 30	87.1%	89.6%	30 150	
Permethrin	0.000	0.359	0.400	0.400	10.8%	< 30	89.8%	100.0%	50 150	
Phosmet	0.000	0.391	0.362	0.400	7.7%	< 30	97.7%	90.5%	50 150	
Piperonyl butoxide	0.000	1.958	1.952	2.000	0.3%	< 30	97.9%	97.6%	50 150	
Prallethrin	0.051	0.251	0.239	0.400	5.9%	< 30	49.9%	47.0%	50 150	Q
Propiconazole	0.000	0.715	0.704	0.800	1.5%	< 30	89.4%	88.0%	50 150	
Propoxur	0.000	0.356	0.351	0.400	1.5%	< 30	89.0%	87.6%	50 150	
Pyrethrins	0.002	0.434	0.455	0.413	4.9%	< 30	104.6%	109.8%	50 150	
Pyridaben	0.000	0.295	0.293	0.400	0.7%	< 30	73.8%	73.3%	50 150	
Spinosad	0.000	0.349	0.339	0.388	2.7%	< 30	89.9%	87.5%	50 150	
Spiromesifen	0.000	0.365	0.333	0.400	9.2%	< 30	91.2%	83.1%	50 150	
Spirotetramat	0.000	0.400	0.396	0.400	1.1%	< 30	100.1%	99.0%	50 150	
Spiroxamine	0.000	0.731	0.718	0.800	1.8%	< 30	91.4%	89.8%	50 150	
ebuconazol	0.000	0.676	0.671	0.800	0.8%	< 30	84.5%	83.8%	50 150	
hiacloprid	0.000	0.361	0.356	0.400	1.4%	< 30	90.3%	89.0%	50 150	
hiamethoxam	0.000	0.362	0.387	0.400	6.7%	< 30	90.5%	96.8%	50 150	
rifloxystrobin	0.003	0.357	0.350	0.400	1.9%	< 30	88.5%	86.8%	50 150	

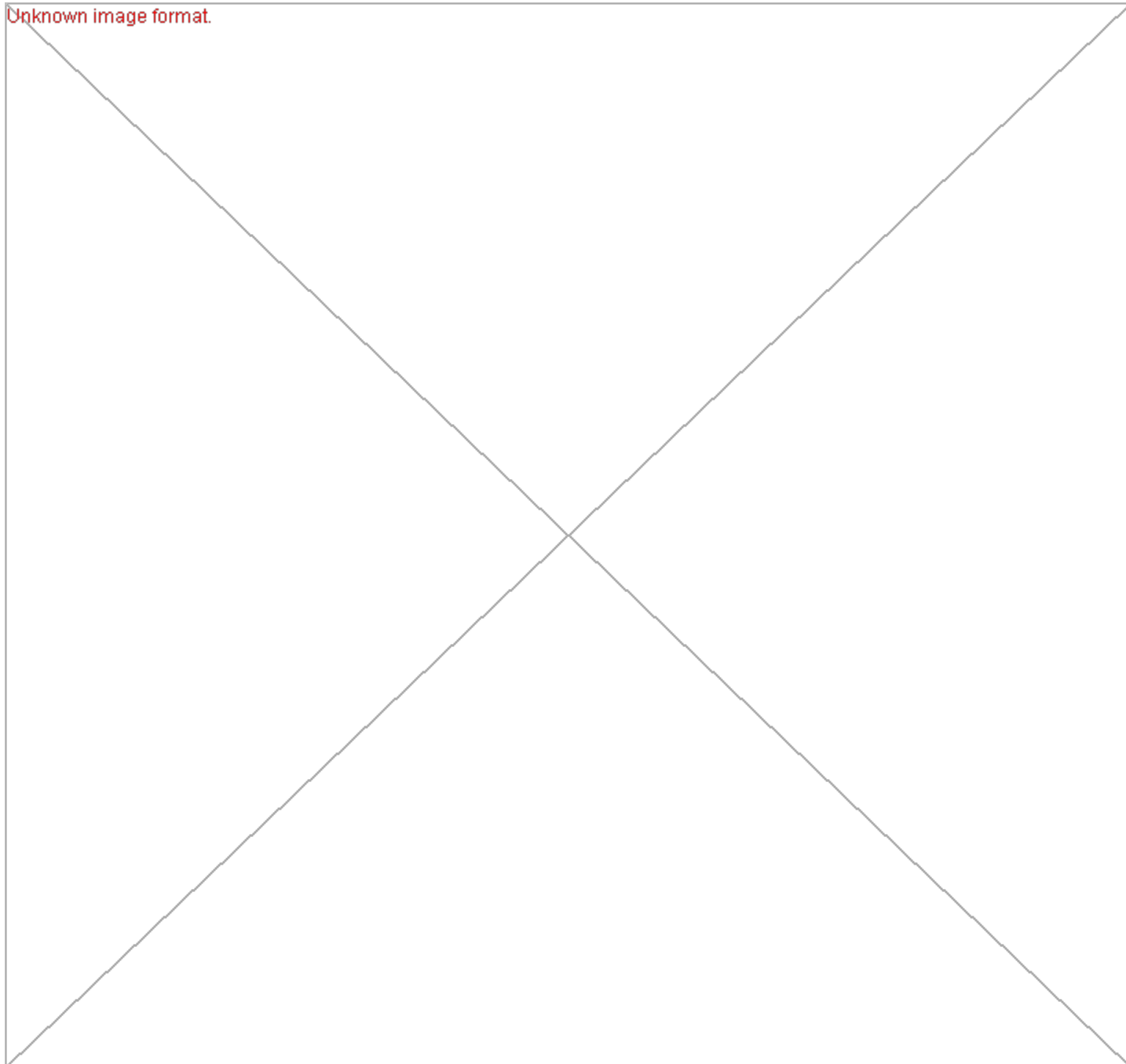


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Laboratory Quality Control Results

Residual Solvents		Batch ID:							
Method Blank	Laboratory Control Sample								
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	200			0	µg/g	0	0	0
Isobutane	ND	200		5.3	98	µg/g	09.0	0	0
Butane	ND	200		550	93	µg/g	6	0	0
2,2-Dimethylpropane	ND	200		5	628	µg/g	3.9	0	0
Methanol	ND	200		80	6	µg/g	0.6	0	0
Ethylene Oxide	ND	30		2	3.2	µg/g	8.8	0	0
2-Methylbutane	ND	200		8.0	630	µg/g	0	0	0
Pentane	ND	200		9.0	6	µg/g	8.6	0	0
Ethanol	ND	200		0	630	µg/g	06	0	0
Ethyl Ether	ND	200		830	6	µg/g	3	0	0
2,2-Dimethylbutane	ND	30		2.4	65	µg/g	30.9	0	0
Acetone	ND	200		9.0	6	µg/g	8.6	0	0
2-Propanol	ND	200		2000	6	µg/g	2.2	0	0
Ethyl Formate	ND	500		960	620	µg/g	2.0	0	0
Acetonitrile	ND	00		9	98	µg/g	0	0	0
Methyl Acetate	ND	500		9.0	8	µg/g	08.8	0	0
2,3-Dimethylbutane	ND	30		2.5	62	µg/g	32	0	0
Dichloromethane	ND	60		622	98	µg/g	2.9	0	0
2-Methylpentane	ND	30		2.8	6	µg/g	30.5	0	0
M. BE	ND	500		900	6	µg/g	8.0	0	0
3-Methylpentane	ND	30		222	9	µg/g	2.0	0	0
Hexane	ND	30		2.0	6	µg/g	28.0	0	0
Propanol	ND	500		660	620	µg/g	02.5	0	0
Methyl ethyl ketone	ND	500		8.0	0	µg/g	0	0	0
Ethyl acetate	ND	200		820	620	µg/g	2.3	0	0
2-Butanol	ND	200		800	600	µg/g	2.5	0	0
tetrahydrofuran	ND	00		608	500	µg/g	2.6	0	0
Cyclohexane	ND	200		9.0	6	µg/g	22	0	0
2-methyl propanol	ND	500		2050	6	µg/g	2.3	0	0
Benzene	ND			6.98	5.62	µg/g	2.2	0	0
Isopropyl Acetate	ND	200		9.0	6	µg/g	22	0	0
Heptane	ND	200		20.0	6	µg/g	26	0	0
Butanol	ND	500		2050	620	µg/g	26.5	0	0
Propyl Acetate	ND	500		20.0	620	µg/g	2.8	0	0
Dioxane	ND	00		606	502	µg/g	20	0	0
2-Ethoxyethanol	ND	30		202	6	µg/g	23.2	0	0
Methyl isobutyl ketone	ND	500		20.0	620	µg/g	2.8	0	0
3-Methyl butanol	ND	500		20.0	620	µg/g	2	0	0
Ethylene Glycol	ND	200		5	502	µg/g	9.0	0	0
o-cresol	ND	200		55	88	µg/g	3.5	0	0
Isobutyl Acetate	ND	500		2020	00	µg/g	8.8	0	0
Pentanol	ND	500		20.0	630	µg/g	23.3	0	0
Butyl Acetate	ND	500		2050	660	µg/g	23.5	0	0
Ethyl benzene	ND	200		020	65	µg/g	05	0	0
m,p-Xylene	ND	200		020	990	µg/g	03.0	0	0
o-Xylene	ND	200		958	9	µg/g	98	0	0
Cumene	ND	30		80	9	µg/g	00.6	0	0
Anisole	ND	500		8.0	650	µg/g	5	0	0
DMSO	ND	500		20.0	630	µg/g	2.0	0	0
2,2-dimethoxyethane	ND	50		222	83	µg/g	2.3	0	0
diethylamine	ND	500		2090	620	µg/g	29.0	0	0
N,N-dimethylformamide	ND	50		60	95	µg/g	2	0	0
N,N-dimethylacetamide	ND	50		63	502	µg/g	25	0	0
Pyridine	ND	50		230	86	µg/g	23	0	0
2-Dichloroethane	ND			22		µg/g	22.0	0	0
Chloroform	ND			2		µg/g	20.0	0	0
trichloroethylene	ND			6		µg/g	6.0	0	0



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QC Sample Duplicate Sample ID: 22 001016 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	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	10	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	
2 Dichloroethane	ND	ND	10	µg/g	0.0	20	Acceptable	
Chloroform	ND	ND	10	µg/g	0.0	20	Acceptable	
1,1-dichloroethylene	ND	ND	10	µg/g	0.0	20	Acceptable	

**Abbreviations**  
 ND None Detected at or above MRL  
 RPD Relative Percent Difference  
 LOQ Limit of Quantitation  
 Q Quality control result biased high Only non detect samples reported

**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.