

## CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

<b>BULK SKU</b>	<b>BATCH #</b>	<b>LOQ: Limit Of Quantitation</b>	
<b>PRODUCT NAME</b>	<b>SERVING SIZE</b>	<b>LOD: Limit Of Detection</b>	
<b>LABORATORY :</b>	<b>OREGON ACCREDITATION: OR100028</b>	1 g = 10 <sup>-3</sup> kg = 10 <sup>3</sup> mg = 10 <sup>6</sup> µg 1 mg/kg = 1 ppm = 1000 ppb	
POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	mg/serving	mg/g	%
Total THC (d9-THC, THCA)	mg/serving	mg/g	%
Cannabigerol (CBG)	mg/serving	mg/g	%
Cannabinol (CBN)	mg/serving	mg/g	%
Cannabichromene (CBC)	mg/serving	mg/g	%
Tetrahydrocannabinolic Acid (THCA)	mg/serving	mg/g	%
Delta-9-THC (d9-THC)	mg/serving	mg/g	%
Delta-8-THC (d8-THC)	mg/serving	mg/g	%
HEAVY METALS	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Arsenic	µg/serving	µg/g	10 µg/day <sup>[1]</sup>
Cadmium	µg/serving	µg/g	4.1 µg/day <sup>[1]</sup>
Lead	µg/serving	µg/g	6 µg/day <sup>[1]</sup>
Mercury	µg/serving	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	µg/g	50,000 mg/day	
2-Propanol (IPA)	µg/g	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.

## CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

**BULK SKU** GEL.MSL20

**BATCH #** EJ59

**PRODUCT NAME** CBD Muscle Gel (30 mL)

**SERVING SIZE** 1 pump (0.38g)

**LABORATORY:** Columbia Laboratories

**OREGON ACCREDITATION:** OR100028

**LOQ:** Limit Of Quantitation

**LOD:** Limit Of Detection

1 g = 10<sup>-3</sup> kg = 10<sup>3</sup> mg = 10<sup>6</sup>

µg 1 mg/kg = 1 ppm = 1000 ppb

POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	8.02 mg/serving	21.10 mg/g	2.11 %
Total THC (d9-THC, THCA)	0.28 mg/serving	0.73 mg/g	0.07 %
Cannabigerol (CBG)	0.38 mg/serving	0.99 mg/g	0.10 %
Cannabinol (CBN)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Cannabichromene (CBC)	0.24 mg/serving	0.63 mg/g	0.06 %
Tetrahydrocannabinolic Acid (THCA)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Delta-9-THC (d9-THC)	0.28 mg/serving	0.73 mg/g	0.07 %
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	6 µg/day <sup>[1]</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	9870 µg/g	50,000 mg/day
2-Propanol (IPA)	742 µg/g	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.



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



**Report Number:** 22-013432/D008.R000  
**Report Date:** 11/16/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/01/22 16:19

**Customer:** Etz Hayim Holdings  
**Product identity:** FORM-GEL.MSL20-EJ59  
**Client/Metric ID:** .  
**Laboratory ID:** 22-013432-0001

### Summary

**Potency:**

Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g	0.630		mg/1g		CBD-Total per Serving Size 21.1 mg/1g
CBD per 1g	21.1		mg/1g		
CBDV per 1g	0.0981		mg/1g		THC-Total per Serving Size 0.731 mg/1g
CBG per 1g	0.988		mg/1g		(Reported in milligrams per serving)
CBT per 1g	0.325		mg/1g		
Δ9-THC per 1g	0.731		mg/1g		

**Residual Solvents:**

Analyte	Result (µg/g)	Limits (µg/g)	Status
Ethanol*	9870		
2-Propanol (IPA)*	742	5000	pass

**Pesticides:**

All analytes passing and less than LOQ.

**Metals:**

Less than LOQ for all analytes.

**Microbiology:**

Less than LOQ for all analytes.



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**Purchase Order:**  
**Received:** 11/01/22 16:19

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

**Product identity:** FORM-GEL.MSL20-EJ59

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 22-013432-0001

**Evidence of Cooling:** No

**Temp:** 20.4

**Relinquished by:** courier

**Serving Size #1:** 1 g

### Sample Results

Potency per 1g	Method: J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2209500	Analyze: 11/4/22 1:41:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	0.630		mg/1g	0.0313	
CBC-A per 1g	< LOQ		mg/1g	0.0313	
CBC-Total per 1g	0.630		mg/1g	0.0588	
CBD per 1g	21.1		mg/1g	0.313	
CBD-A per 1g	< LOQ		mg/1g	0.0313	
CBD-Total per 1g	21.1		mg/1g	0.341	
CBDV per 1g	0.0981		mg/1g	0.0313	
CBDV-A per 1g	< LOQ		mg/1g	0.0313	
CBDV-Total per 1g	0.0981		mg/1g	0.0585	
CBE per 1g	< LOQ		mg/1g	0.0313	
CBG per 1g	0.988		mg/1g	0.0313	
CBG-A per 1g	< LOQ		mg/1g	0.0313	
CBG-Total per 1g	0.988		mg/1g	0.0585	
CBL per 1g	< LOQ		mg/1g	0.0313	
CBL-A per 1g	< LOQ		mg/1g	0.0313	
CBL-Total per 1g	< LOQ		mg/1g	0.0588	
CBN per 1g	< LOQ		mg/1g	0.0313	
CBT per 1g	0.325		mg/1g	0.0313	
Δ8-THCV per 1g	< LOQ		mg/1g	0.0313	
Δ10-THC per 1g	< LOQ		mg/1g	0.0313	
Δ8-THC per 1g	< LOQ		mg/1g	0.0313	
Δ9-THC per 1g	0.731		mg/1g	0.0313	
exo-THC per 1g	< LOQ		mg/1g	0.0313	
THC-A per 1g	< LOQ		mg/1g	0.0313	
THC-Total per 1g	0.731		mg/1g	0.0588	
THCV per 1g	< LOQ		mg/1g	0.0313	
THCV-A per 1g	< LOQ		mg/1g	0.0313	
THCV-Total per 1g	< LOQ		mg/1g	0.0589	
Total Cannabinoids per 1g	23.9		mg/1g		



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**Purchase Order:**  
**Received:** 11/01/22 16:19

### Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2209653	11/12/22 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2209653	11/12/22 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2209654	11/13/22 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2209654	11/13/22 AOAC 2014.05 (RAPID)		

### Solvents

**Method:** Residual Solvents by GC/MS      **Units** µg/g      **Batch** 2209767      **Analyze** 11/14/22 11:22 AM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane <sup>‡</sup>	< LOQ	380	100	pass		2-Butanol <sup>‡</sup>	< LOQ	5000	200	pass	
2-Ethoxyethanol <sup>‡</sup>	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA) <sup>‡</sup>	742	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 <sup>‡</sup>	< LOQ	5000	200	pass		Acetonitrile <sup>‡</sup>	< LOQ	410	100	pass	
Benzene <sup>‡</sup>	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane <sup>‡</sup>	< LOQ	3880	200	pass		Ethanol <sup>‡</sup>	9870		200		E
Ethyl acetate <sup>‡</sup>	< LOQ	5000	200	pass		Ethyl benzene	< LOQ		200		
Ethyl ether <sup>‡</sup>	< LOQ	5000	200	pass		Ethylene glycol <sup>‡</sup>	< LOQ	620	200	pass	
Ethylene oxide <sup>‡</sup>	< LOQ	50.0	20.0	pass		Hexanes (sum)	< LOQ	290	150	pass	
Isopropyl acetate <sup>‡</sup>	< LOQ	5000	200	pass		Isopropylbenzene (Cumene) <sup>‡</sup>	< LOQ	70.0	30.0	pass	
m,p-Xylene	< LOQ		200			Methanol <sup>‡</sup>	< LOQ	3000	200	pass	
Methylene chloride <sup>‡</sup>	< LOQ	600	60.0	pass		Methylpropane (Isobutane)	< LOQ		200		
n-Butane <sup>‡</sup>	< LOQ		200			n-Heptane <sup>‡</sup>	< LOQ	5000	200	pass	
n-Hexane <sup>‡</sup>	< LOQ		30.0			n-Pentane <sup>‡</sup>	< LOQ		200		
o-Xylene	< LOQ		200			Pentanes (sum)	< LOQ	5000	600	pass	
Propane <sup>‡</sup>	< LOQ	5000	200	pass		Tetrahydrofuran <sup>‡</sup>	< LOQ	720	100	pass	
Toluene <sup>‡</sup>	< LOQ	890	100	pass		Total Xylenes <sup>‡</sup>	< LOQ		400		
Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass							



Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod)					Units mg/kg		Batch 2209733		Analyze 11/11/22 11:18 AM		
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin <sup>‡</sup>	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.200	pass	
Acequinocyl <sup>‡</sup>	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb <sup>‡</sup>	< LOQ	0.40	0.200	pass		Azoxystrobin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Bifenazate <sup>‡</sup>	< LOQ	0.20	0.100	pass		Bifenthrin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Boscalid <sup>‡</sup>	< LOQ	0.40	0.200	pass		Carbaryl <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Carbofuran <sup>‡</sup>	< LOQ	0.20	0.100	pass		Chlorantraniliprole <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Chlorfenapyr <sup>‡</sup>	< LOQ	1.0	0.500	pass		Chlorpyrifos <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Clofentezine <sup>‡</sup>	< LOQ	0.20	0.100	pass		Cyfluthrin <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Cypermethrin <sup>‡</sup>	< LOQ	1.0	0.500	pass		Daminozide <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Diazinon <sup>‡</sup>	< LOQ	0.20	0.100	pass		Dichlorvos <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Dimethoate <sup>‡</sup>	< LOQ	0.20	0.100	pass		Ethoprophos <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Etofenprox <sup>‡</sup>	< LOQ	0.40	0.200	pass		Etoxazole <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Fenoxycarb <sup>‡</sup>	< LOQ	0.20	0.100	pass		Fenpyroximate <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Fipronil <sup>‡</sup>	< LOQ	0.40	0.200	pass		Flonicamid <sup>‡</sup>	< LOQ	1.0	0.400	pass	
Fludioxonil <sup>‡</sup>	< LOQ	0.40	0.200	pass		Hexythiazox <sup>‡</sup>	< LOQ	1.0	0.400	pass	
Imazalil <sup>‡</sup>	< LOQ	0.20	0.100	pass		Imidacloprid <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Kresoxim-methyl <sup>‡</sup>	< LOQ	0.40	0.200	pass		Malathion <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Metalaxyl <sup>‡</sup>	< LOQ	0.20	0.100	pass		Methiocarb <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Methomyl <sup>‡</sup>	< LOQ	0.40	0.200	pass		MGK-264 <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Myclobutanil <sup>‡</sup>	< LOQ	0.20	0.100	pass		Naled <sup>‡</sup>	< LOQ	0.50	0.250	pass	
Oxamyl <sup>‡</sup>	< LOQ	1.0	0.500	pass		Pacllobutrazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Parathion-Methyl <sup>‡</sup>	< LOQ	0.20	0.100	pass		Permethrin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Phosmet <sup>‡</sup>	< LOQ	0.20	0.100	pass		Piperonyl butoxide <sup>‡</sup>	< LOQ	2.0	1.00	pass	
Prallethrin <sup>‡</sup>	< LOQ	0.20	0.100	pass		Propiconazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Propoxur <sup>‡</sup>	< LOQ	0.20	0.100	pass		Pyrethrin I (total) <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Pyridaben <sup>‡</sup>	< LOQ	0.20	0.100	pass		Spinosad <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Spiromesifen <sup>‡</sup>	< LOQ	0.20	0.100	pass		Spirotetramat <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Spiroxamine <sup>‡</sup>	< LOQ	0.40	0.200	pass		Tebuconazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Thiacloprid <sup>‡</sup>	< LOQ	0.20	0.100	pass		Thiamethoxam <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Trifloxystrobin <sup>‡</sup>	< LOQ	0.20	0.100	pass							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes		
Arsenic	< LOQ	0.200	mg/kg	0.0896	2209789	11/14/22 AOAC 2013.06 (mod.)	pass			
Cadmium	< LOQ	0.200	mg/kg	0.0896	2209789	11/14/22 AOAC 2013.06 (mod.)	pass			
Lead	< LOQ	0.500	mg/kg	0.0896	2209789	11/14/22 AOAC 2013.06 (mod.)	pass			
Mercury	< LOQ	0.100	mg/kg	0.0448	2209789	11/14/22 AOAC 2013.06 (mod.)	pass			



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### 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.

\* = TNI accredited analyte.

### Units of Measure

cfu/g = Colony forming units per gram

g = g

µg/g = Microgram per gram

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

mg/1g = Milligram per 1g

% = Percentage of sample

% wt = µg/g divided by 10,000

### Glossary of Qualifiers

E: Analyte concentration exceeds the calibration range, results are estimated.

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 Reco**

ETZHAYIM

22-013432



ID: OR100028

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:



Elz Hayim Holdings

**Analysis Requested**

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-GEL.MSL20-EJ59	10/31 10:11	X		X	X				X	X	X			Topical		mg/g	Potency First
RM-VITB12-T2205001		X		X					X	X	X						LazNat Discount
RM-VITD3-71210908		X			X				X	X	X						
RM-VITC-12111008		X		X					X	X	X						
RM-VEG.LANOLIN-C1476		X		X					X	X	X						

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: 20.4
							Shipped Via: carrier
							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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Revision 1 Documen D 7148  
 Legacy D Workshee Valida ed 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2209500

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0346	0.034	%	103	80.0 - 120	Acceptable	
CBDV	2	0.0377	0.037	%	103	80.0 - 120	Acceptable	
CBE	2	0.0338	0.034	%	99.2	80.0 - 120	Acceptable	
CBDA	1	0.0363	0.035	%	103	90.0 - 110	Acceptable	
CBGA	1	0.0361	0.035	%	104	80.0 - 120	Acceptable	
CBG	1	0.0381	0.037	%	104	80.0 - 120	Acceptable	
CBD	1	0.0400	0.037	%	109	90.0 - 110	Acceptable	
THCV	2	0.0368	0.035	%	105	80.0 - 120	Acceptable	
d8THCV	2	0.0359	0.035	%	102	80.0 - 120	Acceptable	
THCVA	2	0.0341	0.033	%	104	80.0 - 120	Acceptable	
CBN	1	0.0374	0.036	%	104	90.0 - 110	Acceptable	
exo-THC	2	0.0358	0.034	%	104	80.0 - 120	Acceptable	
d9THC	1	0.0392	0.037	%	105	90.0 - 110	Acceptable	
d8THC	1	0.0371	0.035	%	105	90.0 - 110	Acceptable	
CBL	2	0.0341	0.032	%	106	80.0 - 120	Acceptable	
d10THC	1	0.0354	0.034	%	104	80.0 - 120	Acceptable	
CBG	2	0.0370	0.036	%	103	80.0 - 120	Acceptable	
THCA	1	0.0359	0.034	%	104	90.0 - 110	Acceptable	
CBCA	2	0.0344	0.034	%	100	80.0 - 120	Acceptable	
CBLA	2	0.0355	0.035	%	102	80.0 - 120	Acceptable	
CBT	2	0.0343	0.036	%	95.8	80.0 - 120	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	
d10THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<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



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



**Report Number:** 22-013432/D008.R000  
**Report Date:** 11/16/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/01/22 16:19

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

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2209500						
Sample Duplicate		Sample ID: Z1-012853-0005						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0334	0.0334	0.003	%	0.0188	< 20	Acceptable	
CBE	0.131	0.132	0.003	%	0.658	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.166	0.165	0.003	%	0.576	< 20	Acceptable	
CBD	5.64	5.59	0.003	%	0.893	< 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	0.0291	0.0292	0.003	%	0.307	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.156	0.156	0.003	%	0.114	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.236	0.237	0.003	%	0.327	< 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	0.103	0.104	0.003	%	0.958	< 20	Acceptable	

Abbreviations

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

Units of Measure:



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**Laboratory Pesticide Quality Control Results**

AOAC 2007.1 & EN 15662		Units: mg/Kg			Batch ID: 2209733			
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		1.069	1.000	106.9	50.0	150
Acephate	0.000	< 0.250		1.021	1.000	102.1	60.0	120
Acetaminocyl	0.000	< 1.000		4.090	4.000	102.3	40.0	160
Acetamiprid	0.000	< 0.100		0.421	0.400	105.3	60.0	120
Aldicarb	0.000	< 0.200		0.832	0.800	104.0	60.0	120
Azoxystrobin	0.000	< 0.100		0.421	0.400	105.2	60.0	120
Bifenazate	0.000	< 0.100		0.434	0.400	108.5	60.0	120
Bifenthrin	0.000	< 0.100		0.417	0.400	104.3	50.0	150
Boscalid	0.000	< 0.200		0.860	0.800	107.5	60.0	120
Carbaryl	0.000	< 0.100		0.418	0.400	104.5	60.0	120
Carbofuran	0.000	< 0.100		0.411	0.400	102.6	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.420	0.400	105.0	60.0	120
Chlorfenapyr	0.000	< 0.500		2.034	2.000	101.7	60.0	120
Chlorpyrifos	0.000	< 0.100		0.396	0.400	99.0	60.0	120
Clofentazine	0.000	< 0.100		0.393	0.400	98.3	60.0	120
Cyfluthrin	0.000	< 0.500		1.975	2.000	98.8	50.0	150
Cypermethrin	0.000	< 0.500		2.092	2.000	104.6	50.0	150
Daminozide	0.000	< 0.500		0.785	2.000	<b>39.3</b>	60.0	120
Diazinon	0.000	< 0.100		0.427	0.400	106.7	60.0	120
Dichlorvos	0.000	< 0.500		2.069	2.000	103.4	60.0	120
Dimethoate	0.000	< 0.100		0.419	0.400	104.6	60.0	120
Ethoprophos	0.000	< 0.100		0.413	0.400	103.2	60.0	120
Etofenprox	0.000	< 0.200		0.833	0.800	104.1	50.0	150
Etoxazole	0.000	< 0.100		0.405	0.400	101.3	60.0	120
Fenoxycarb	0.000	< 0.100		0.424	0.400	106.0	60.0	120
Fenpyroximate	0.000	< 0.200		0.826	0.800	103.2	60.0	120
Fipronil	0.000	< 0.200		0.851	0.800	106.3	60.0	120
Fonicamid	0.000	< 0.250		1.071	1.000	107.1	60.0	120
Fludioxonil	0.000	< 0.200		0.836	0.800	104.5	50.0	150
Hexythiazox	0.000	< 0.250		1.023	1.000	102.3	60.0	120
Imazalil	0.000	< 0.100		0.423	0.400	105.7	60.0	120
Imidacloprid	0.000	< 0.200		0.837	0.800	104.6	60.0	120
Kresoxim methyl	0.000	< 0.200		0.848	0.800	105.9	60.0	120
Malathion	0.000	< 0.100		0.414	0.400	103.4	60.0	120
Metaxalyl	0.000	< 0.100		0.425	0.400	106.1	60.0	120
Methiocarb	0.000	< 0.100		0.416	0.400	104.1	60.0	120
Methomyl	0.000	< 0.200		0.855	0.800	106.9	60.0	120
MGK 264	0.000	< 0.100		0.404	0.400	101.1	50.0	150
Myclobutanil	0.000	< 0.100		0.425	0.400	106.3	60.0	120
Naled	0.000	< 0.250		1.032	1.000	103.2	50.0	150
Oxamyl	0.000	< 0.500		2.127	2.000	106.3	60.0	120
Paclbutrazole	0.000	< 0.200		0.834	0.800	104.2	60.0	120
Parathion Methyl	0.000	< 0.200		0.864	0.800	108.0	50.0	150
Permethrin	0.002	< 0.100		0.411	0.400	102.8	50.0	150
Phosmet	0.000	< 0.100		0.425	0.400	106.3	50.0	150
Piperonyl butoxide	0.000	< 0.500		2.065	2.000	103.2	60.0	120
Prallethrin	0.000	< 0.100		0.418	0.400	104.5	60.0	120
Propiconazole	0.000	< 0.200		0.841	0.800	105.1	60.0	120
Propoxur	0.000	< 0.100		0.418	0.400	104.6	60.0	120
Pyrethrin (Summe)	0.000	< 0.100		0.429	0.413	103.8	60.0	120
Pyridaben	0.000	< 0.100		0.403	0.400	100.7	50.0	150
Spirosad	0.000	< 0.100		0.402	0.388	103.7	50.0	150
Spiromesifen	0.000	< 0.100		0.426	0.400	106.6	60.0	120
Spirotetramat	0.000	< 0.100		0.419	0.400	104.7	60.0	120
Spiroxamine	0.000	< 0.200		0.834	0.800	104.2	60.0	120
ebuconazole	0.000	< 0.200		0.859	0.800	107.3	60.0	120
hiacloprid	0.000	< 0.100		0.413	0.400	103.2	60.0	120
hiamethoxam	0.000	< 0.100		0.446	0.400	111.5	60.0	120
rifloxystrobin	0.000	< 0.100		0.414	0.400	103.6	60.0	120

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12423 NE Whitaker Way  
Portland, OR 97230  
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Purchase Order:  
Received: 11/01/22 16:19

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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg					Batch ID: 2209733				
Matrix Spike/Matrix Spike Duplicate Recoveries						Sample ID: 22-013640-0001					
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes	
Abamectin	0.000	1.076	1.014	1.000	6.0%	< 30	107.6%	101.4%	50 150		
Acephate	0.004	0.978	0.981	1.000	0.4%	< 30	97.4%	97.7%	50 150		
Acetaminopyl	0.000	3.932	4.021	4.000	2.2%	< 30	98.3%	100.5%	50 150		
Acetamiprid	0.000	0.407	0.403	0.400	1.0%	< 30	101.7%	100.7%	50 150		
Aldicarb	0.000	0.800	0.813	0.800	1.7%	< 30	100.0%	101.6%	50 150		
Azoxystrobin	0.000	0.388	0.400	0.400	3.0%	< 30	97.0%	100.0%	50 150		
Bifenazate	0.000	0.396	0.405	0.400	2.2%	< 30	99.0%	101.2%	50 150		
Bifenthrin	0.000	0.402	0.419	0.400	4.3%	< 30	100.4%	104.8%	50 150		
Boscalid	0.000	0.832	0.813	0.800	2.3%	< 30	104.0%	101.7%	50 150		
Carbaryl	0.000	0.391	0.409	0.400	4.5%	< 30	97.7%	102.3%	50 150		
Carbofuran	0.000	0.402	0.392	0.400	2.3%	< 30	100.4%	98.1%	50 150		
Chlorantraniliprole	0.000	0.408	0.413	0.400	1.3%	< 30	101.9%	103.2%	50 150		
Chlorfenapyr	0.000	1.972	1.770	2.000	10.8%	< 30	98.6%	88.5%	50 150		
Chlorpyrifos	0.000	0.391	0.381	0.400	2.5%	< 30	97.7%	95.4%	50 150		
Clofentezine	0.000	0.373	0.372	0.400	0.2%	< 30	93.2%	93.0%	50 150		
Cyfluthrin	0.000	2.150	2.289	2.000	6.2%	< 30	107.5%	114.4%	30 150		
Cypermethrin	0.000	2.171	2.175	2.000	0.2%	< 30	108.6%	108.8%	50 150		
Daminozide	0.011	0.795	0.810	2.000	1.9%	< 30	39.2%	40.0%	30 150		
Diazinon	0.000	0.408	0.418	0.400	2.5%	< 30	102.0%	104.6%	50 150		
Dichlorvos	0.000	2.007	1.956	2.000	2.6%	< 30	100.3%	97.8%	50 150		
Dimethoate	0.000	0.403	0.408	0.400	1.3%	< 30	100.7%	102.1%	50 150		
Ethoprophos	0.000	0.396	0.398	0.400	0.6%	< 30	98.9%	99.5%	50 150		
Etofenprox	0.000	0.794	0.815	0.800	2.6%	< 30	99.3%	101.9%	50 150		
Etoxazole	0.000	0.415	0.414	0.400	0.2%	< 30	103.7%	103.5%	50 150		
Fenoxycarb	0.000	0.403	0.403	0.400	0.0%	< 30	100.7%	100.8%	50 150		
Fenpyroximate	0.000	0.923	0.955	0.800	3.5%	< 30	115.4%	119.4%	50 150		
Fipronil	0.000	0.967	0.950	0.800	1.8%	< 30	120.9%	118.7%	50 150		
Flonicamid	0.000	1.026	1.028	1.000	0.2%	< 30	102.6%	102.8%	50 150		
Fludioxonil	0.000	0.791	0.804	0.800	1.5%	< 30	98.9%	100.4%	50 150		
Hexythiazox	0.000	0.981	0.990	1.000	0.9%	< 30	98.1%	99.0%	50 150		
Imazalil	0.000	0.400	0.404	0.400	0.9%	< 30	100.0%	100.9%	50 150		
Imidacloprid	0.000	0.802	0.811	0.800	1.0%	< 30	100.3%	101.3%	50 150		
Kresoxim methyl	0.000	0.800	0.838	0.800	4.7%	< 30	99.9%	104.8%	50 150		
Malathion	0.000	0.401	0.396	0.400	1.2%	< 30	100.2%	99.0%	50 150		
Metaxalyl	0.000	0.407	0.414	0.400	1.8%	< 30	101.7%	103.5%	50 150		
Methiocarb	0.000	0.400	0.410	0.400	2.7%	< 30	99.9%	102.6%	50 150		
Methomyl	0.000	0.809	0.828	0.800	2.2%	< 30	101.1%	103.4%	50 150		
MGK 264	0.000	0.392	0.417	0.400	6.2%	< 30	98.0%	104.3%	50 150		
Myclobutanil	0.000	0.402	0.410	0.400	1.9%	< 30	100.6%	102.4%	50 150		
Naled	0.000	0.988	1.009	1.000	2.1%	< 30	98.8%	100.9%	50 150		
Oxamyl	0.000	2.059	2.014	2.000	2.2%	< 30	102.9%	100.7%	50 150		
Paclobutrazole	0.000	0.810	0.836	0.800	3.2%	< 30	101.3%	104.6%	50 150		
Parathion Methyl	0.000	0.785	0.755	0.800	3.9%	< 30	98.1%	94.4%	30 150		
Permethrin	0.001	0.414	0.417	0.400	0.6%	< 30	103.2%	103.8%	50 150		
Phosmet	0.000	0.410	0.428	0.400	4.2%	< 30	102.5%	106.9%	50 150		
Piperonyl butoxide	0.000	1.990	2.044	2.000	2.7%	< 30	99.5%	102.2%	50 150		
Prallethrin	0.000	0.403	0.408	0.400	1.4%	< 30	100.7%	102.1%	50 150		
Propiconazole	0.000	0.799	0.804	0.800	0.6%	< 30	99.9%	100.5%	50 150		
Propoxur	0.000	0.407	0.394	0.400	3.4%	< 30	101.8%	98.4%	50 150		
Pyrethrin (Summe)	0.000	0.645	0.653	0.413	1.2%	< 30	156.2%	158.0%	50 150		
Pyridaben	0.000	0.388	0.397	0.400	2.2%	< 30	97.0%	99.1%	50 150		
Spinosad	0.000	0.394	0.406	0.388	3.2%	< 30	101.5%	104.8%	50 150		
Spiromesifen	0.000	0.404	0.396	0.400	1.8%	< 30	100.9%	99.1%	50 150		
Spirotetramat	0.000	0.383	0.374	0.400	2.3%	< 30	95.7%	93.6%	50 150		
Spiroxamine	0.000	0.795	0.802	0.800	0.8%	< 30	99.4%	100.2%	50 150		
ebuconazole	0.000	0.823	0.864	0.800	4.9%	< 30	102.9%	108.0%	50 150		
hiacloprid	0.000	0.402	0.417	0.400	3.8%	< 30	100.4%	104.3%	50 150		
hiamethoxam	0.000	0.399	0.383	0.400	4.1%	< 30	99.7%	95.7%	50 150		
rifloxystrobin	0.000	0.367	0.367	0.400	0.1%	< 30	91.9%	91.8%	50 150		

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12423 NE Whitaker Way  
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Report Number: 22-013432/D008.R000  
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Revision 2 Document D 7087  
 Legacy D CFL-E33Effective

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2209767					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		551	572	µg/g	96.3	60	120
Isobutane	ND	< 200		724	731	µg/g	99.0	60	120
Butane	ND	< 200		702	731	µg/g	96.0	60	120
2,2 Dimethylpropane	ND	< 200		1010	936	µg/g	107.9	60	120
Methanol	ND	< 200		1630	1650	µg/g	98.8	60	120
Ethylene Oxide	ND	< 30		54.9	56.2	µg/g	97.7	60	120
2 Methylbutane	ND	< 200		1370	1650	µg/g	83.0	60	120
Pentane	ND	< 200		1380	1650	µg/g	83.6	60	120
Ethanol	ND	< 200		1470	1660	µg/g	88.6	70	130
Ethyl Ether	ND	< 200		1340	1630	µg/g	82.2	60	120
2,2 Dimethylbutane	ND	< 30		147	189	µg/g	77.8	60	120
Acetone	ND	< 200		1460	1650	µg/g	88.5	60	120
2 Propanol	ND	< 200		1480	1650	µg/g	89.7	60	120
Ethyl Formate	ND	< 500		1230	1610	µg/g	76.4	70	130
Acetonitrile	ND	< 100		451	504	µg/g	89.5	60	120
Methyl Acetate	ND	< 500		1540	1630	µg/g	94.5	70	130
2,3 Dimethylbutane	ND	< 30		145	174	µg/g	83.3	60	120
Dichloromethane	ND	< 60		416	521	µg/g	79.8	60	120
2 Methylpentane	ND	< 30		148	187	µg/g	79.1	60	120
M BE	ND	< 500		1490	1600	µg/g	93.1	70	130
3 Methylpentane	ND	< 30		155	188	µg/g	82.4	60	120
Hexane	ND	< 30		156	182	µg/g	85.7	60	120
1 Propanol	ND	< 500		1610	1610	µg/g	100.0	70	130
Methylethylketone	ND	< 500		1600	1600	µg/g	100.0	70	130
Ethyl acetate	ND	< 200		1480	1630	µg/g	90.8	60	120
2 Butanol	ND	< 200		1450	1630	µg/g	89.0	60	120
tetrahydrofuran	ND	< 100		401	506	µg/g	79.2	60	120
Cyclohexane	ND	< 200		1290	1640	µg/g	78.7	60	120
2 methyl 1 propanol	ND	< 500		1500	1620	µg/g	92.6	70	130
Benzene	ND	< 1		3.87	4.93	µg/g	78.5	60	120
Isopropyl Acetate	ND	< 200		1540	1640	µg/g	93.9	60	120
Heptane	ND	< 200		1400	1630	µg/g	85.9	60	120
1 Butanol	ND	< 500		1560	1600	µg/g	97.5	70	130
Propyl Acetate	ND	< 500		1640	1620	µg/g	101.2	70	130
1,4 Dioxane	ND	< 100		386	493	µg/g	78.3	60	120
2 Ethoxyethanol	ND	< 30		168	171	µg/g	98.2	60	120
Methylisobutylketone	ND	< 500		1510	1620	µg/g	93.2	70	130
3 Methyl 1 butanol	ND	< 500		1620	1610	µg/g	100.6	70	130
Ethylene Glycol	ND	< 200		410	494	µg/g	83.0	60	120
oluene	ND	< 100		391	506	µg/g	77.3	60	120
Isobutyl Acetate	ND	< 500		1620	1620	µg/g	100.0	70	130
1 Pentanol	ND	< 500		1610	1610	µg/g	100.0	70	130
Butyl Acetate	ND	< 500		1590	1610	µg/g	98.8	70	130
Ethylbenzene	ND	< 200		784	996	µg/g	78.7	60	120
m,p Xylene	ND	< 200		793	1010	µg/g	78.5	60	120
o Xylene	ND	< 200		757	979	µg/g	77.3	60	120
Cumene	ND	< 30		135	188	µg/g	71.8	60	120
Anisole	ND	< 500		1440	1610	µg/g	89.4	70	130
DMSO	ND	< 500		1420	1600	µg/g	88.8	70	130
1,2 dimethoxyethane	ND	< 50		186	190	µg/g	97.9	70	130
riethylamine	ND	< 500		1500	1610	µg/g	93.2	70	130
N,N dimethylformamide	ND	< 150		478	496	µg/g	96.4	70	130
N,N dimethylacetamide	ND	< 150		446	483	µg/g	92.3	70	130
Pyridine	ND	< 50		156	167	µg/g	93.4	70	130
Sulfolane	ND	< 50		148	161	µg/g	91.9	70	130
1,2 Dichloroethane	ND	< 1		1.02	1	µg/g	102.0	70	130
Chloroform	ND	< 1		0.964	1	µg/g	96.4	70	130
richloroethylene	ND	< 1		0.934	1	µg/g	93.4	70	130
1,1 Dichloroethane	ND	< 1		0.958	1	µg/g	95.8	70	130



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 Portland, OR 97230  
 503-254-1794



**Report Number:** 22-013432/D008.R000  
**Report Date:** 11/16/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/01/22 16:19

Revision 2 Document D 7087  
 Legacy D CFL-E33Effective

QC - Sample Duplicate Sample ID: 22-013432-0001

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	10000	9870	200	µg/g	1.3	< 20	Acceptable	E
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	754	742	200	µg/g	1.6	< 20	Acceptable	
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,3 Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60	µg/g	0.0	< 20	Acceptable	
2 Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
M BE	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3 Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
1 Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methyl ethyl ketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2 Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2 methyl 1 propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
1 Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,4 Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2 Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3 Methyl 1 butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
oluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1 Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,2 dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
triethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
N,N dimethylacetamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Sulfolane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
1,2 Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
richloroethylene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,1 Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	

**Abbreviations**

- ND None Detected at or above MRL
- RPD Relative Percent Difference
- LOQ Limit of Quantitation
- E Analyte concentration exceeds the calibration range, results are estimated.

**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.