

CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU	BATCH #	LOQ: Limit Of Quantitation LOD: Limit Of Detection 1 g = 10 ⁻³ kg = 10 ³ mg = 10 ⁶ µg 1 mg/kg = 1 ppm = 1000 ppb	
PRODUCT NAME	SERVING SIZE		
LABORATORY :	OREGON ACCREDITATION: OR100028		
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 ^[1]
Cadmium	µg/serving	µg/g	4.1 µg/day ^[1]
Lead	µg/serving	µg/g	6 µg/day ^[1]
Mercury	µg/serving	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	µg/g	50,000 mg/day	
Heptane	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		
Water Activity	Pass		
TERPENES	% OF SAMPLE		
Farnesene	%		
β-Caryophyllene	%		
α-Bisabolol	%		
Guaiol	%		
Humulene	%		
Caryophyllene Oxide	%		



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: 23-008422/D002.R001
Report Date: 08/02/2023
ORELAP#: OR100028
Purchase Order: 2558667
Received: 07/17/23 16:20

This is an amended version of report# 23-008422/D002.R000.

Reason: Report includes additional testing.

Customer: Etz Hayim Holdings
Product identity: FORM-TN.O.FS50-FF40
Client/Metric ID: .
Laboratory ID: 23-008422-0002

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g	4.61		mg/1g		CBD-Total per Serving Size 59.3 mg/1g
CBD per 1g	59.3		mg/1g		
CBDV per 1g	0.846		mg/1g		THC-Total per Serving Size 2.04 mg/1g (Reported in milligrams per serving)
CBE per 1g	0.906		mg/1g		
CBG per 1g	2.30		mg/1g		
CBL per 1g	0.360		mg/1g		
CBN per 1g	0.0611		mg/1g		
CBT per 1g	1.68		mg/1g		
Δ9-THC per 1g	2.04		mg/1g		

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	0.100	24.75%	farnesene	0.0792	19.60%
(-)-caryophyllene oxide	0.0748	18.51%	β-Myrcene	0.0401	9.93%
α-Bisabolol	0.0397	9.83%	Humulene	0.0371	9.18%
(-)-Guaiol	0.0326	8.07%	Total Terpenes	0.404	100.00%

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Received: 07/17/23 16:20

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

Product identity: FORM-TN.O.FS50-FF40

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-008422-0002

Evidence of Cooling: No

Temp: 23.6 °C

Relinquished by: Client

Serving Size #1: 1 g

Sample Results

Potency per 1g	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2309237	Analyze: 7/19/23 4:27:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	4.61		mg/1g	0.0329	
CBC-A per 1g	< LOQ		mg/1g	0.0329	
CBC-Total per 1g	4.61		mg/1g	0.0618	
CBD per 1g	59.3		mg/1g	0.329	
CBD-A per 1g	< LOQ		mg/1g	0.0329	
CBD-Total per 1g	59.3		mg/1g	0.358	
CBDV per 1g	0.846		mg/1g	0.0329	
CBDV-A per 1g	< LOQ		mg/1g	0.0329	
CBDV-Total per 1g	0.846		mg/1g	0.0615	
CBE per 1g	0.906		mg/1g	0.0329	
CBG per 1g	2.30		mg/1g	0.0329	
CBG-A per 1g	< LOQ		mg/1g	0.0329	
CBG-Total per 1g	2.30		mg/1g	0.0615	
CBL per 1g	0.360		mg/1g	0.0329	
CBL-A per 1g	< LOQ		mg/1g	0.0329	
CBL-Total per 1g	0.360		mg/1g	0.0618	
CBN per 1g	0.0611		mg/1g	0.0329	
CBT per 1g	1.68		mg/1g	0.0329	
Δ8-THCV per 1g	< LOQ		mg/1g	0.0329	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0329	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0329	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0659	
Δ8-THC per 1g	< LOQ		mg/1g	0.0329	
Δ9-THC per 1g	2.04		mg/1g	0.0329	
delta-9-THCP per 1g	< LOQ		mg/1g	0.0329	
exo-THC per 1g	< LOQ		mg/1g	0.0329	
THC-A per 1g	< LOQ		mg/1g	0.0329	
THC-Total per 1g	2.04		mg/1g	0.0618	
THCV per 1g	< LOQ		mg/1g	0.0329	
THCV-A per 1g	< LOQ		mg/1g	0.0329	



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Potency per 1g	Method: J AOAC 2015 V98-6 (mod) ^P	Units mg/se	Batch: 2309237	Analyze: 7/19/23 4:27:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
THCV-Total per 1g	< LOQ		mg/1g	0.0618	
Total Cannabinoids per 1g	72.1		mg/1g		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2309458	07/29/23 AOAC 991.14 (Petrifilm) ^P		I
Total Coliforms	< LOQ		cfu/g	10	2309458	07/29/23 AOAC 991.14 (Petrifilm) ^P		I
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2309459	07/29/23 AOAC 2014.05 (RAPID) ^P		I
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2309459	07/29/23 AOAC 2014.05 (RAPID) ^P		I

Solvents	Method: Residual Solvents by GC/MS ^P					Units µg/g	Batch 2309574	Analyze 07/31/23 01:51 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	< 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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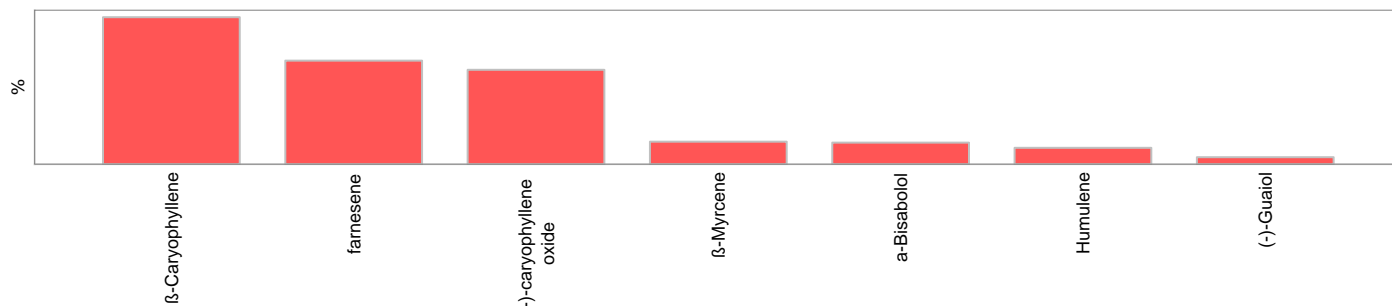


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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) ^b											
Units mg/kg Batch 2309567 Analyze 07/31/23 12:44 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [‡]	< LOQ	0.50	0.250	pass		Acephate [‡]	< LOQ	0.40	0.200	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	
Bifentazate [‡]	< 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		Etoazole [‡]	< LOQ	0.20	0.100	pass	
Fenoxycarb [‡]	< LOQ	0.20	0.100	pass		Fenpyroximate [‡]	< LOQ	0.40	0.200	pass	
Fipronil [‡]	< LOQ	0.40	0.200	pass		Flonicamid [‡]	< LOQ	1.0	0.400	pass	
Fludioxonil [‡]	< LOQ	0.40	0.200	pass		Hexythiazox [‡]	< LOQ	1.0	0.400	pass	
Imazali [‡]	< 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		Paclotbutrazole [‡]	< LOQ	0.40	0.200	pass	
Parathion-Methyl [‡]	< LOQ	0.20	0.100	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	0.100	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 2309568	Analyze 07/28/23 06:02 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
β-Caryophyllene	0.100	0.019	24.752%		farnesene	0.0792	0.019	19.6040%	
(-)-caryophyllene oxide	0.0748	0.019	18.5149%		β-Myrcene	0.0401	0.019	9.9257%	
α-Bisabolol	0.0397	0.019	9.8267%		Humulene	0.0371	0.019	9.1832%	
(-)-Guaiol	0.0326	0.019	8.0693%		(R)-(+)-Limonene	< LOQ	0.019	0.00%	
p-Cymene	< LOQ	0.019	0.00%		Linalool	< LOQ	0.019	0.00%	
Geraniol	< LOQ	0.019	0.00%		(+)-Cedrol	< LOQ	0.019	0.00%	
(+)-fenchol	< LOQ	0.019	0.00%		(±)-trans-Nerolidol	< LOQ	0.019	0.00%	
Isoborneol	< LOQ	0.019	0.00%		nerol	< LOQ	0.019	0.00%	
(+)-Borneol	< LOQ	0.019	0.00%		Sabinene	< LOQ	0.019	0.00%	
Camphene	< LOQ	0.019	0.00%		(+)-Pulegone	< LOQ	0.019	0.00%	
trans-β-Ocimene	< LOQ	0.013	0.00%		Menthol	< LOQ	0.019	0.00%	
(±)-cis-Nerolidol	< LOQ	0.019	0.00%		(-)-β-Pinene	< LOQ	0.019	0.00%	
Terpinolene	< LOQ	0.019	0.00%		(-)-α-Terpineol	< LOQ	0.019	0.00%	
Geranyl acetate	< LOQ	0.019	0.00%		(±)-fenchone	< LOQ	0.019	0.00%	
α-pinene	< LOQ	0.019	0.00%		Sabinene hydrate	< LOQ	0.019	0.00%	
(-)-Isopulegol	< LOQ	0.019	0.00%		(±)-Camphor	< LOQ	0.019	0.00%	
α-cedrene	< LOQ	0.019	0.00%		α-phellandrene	< LOQ	0.019	0.00%	
α-Terpinene	< LOQ	0.019	0.00%		cis-β-Ocimene	< LOQ	0.006	0.00%	
d-3-Carene	< LOQ	0.019	0.00%		Eucalyptol	< LOQ	0.019	0.00%	
γ-Terpinene	< LOQ	0.019	0.00%		valencene	< LOQ	0.019	0.00%	
Total Terpenes	0.404								



Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic [‡]	< LOQ	0.200	mg/kg	0.0847	2309580	07/31/23 AOAC 2013.06 (mod.) [‡]	pass	
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0847	2309580	07/31/23 AOAC 2013.06 (mod.) [‡]	pass	
Lead [‡]	< LOQ	0.500	mg/kg	0.0847	2309580	07/31/23 AOAC 2013.06 (mod.) [‡]	pass	
Mercury [‡]	< LOQ	0.100	mg/kg	0.0423	2309580	07/31/23 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.

Ⓟ = ISO/IEC 17025:2017 accredited method.

Ⓜ = 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

I: Insufficient sample received to meet method requirements.

Approved Signatory

Derrick Tanner
General Manager



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Revision: 4 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2309237

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0298	0.0311	%	95.9	80.0	- 120	Acceptable	
CBDV	2	0.0297	0.0307	%	96.7	80.0	- 120	Acceptable	
CBE	2	0.0334	0.0349	%	95.8	80.0	- 120	Acceptable	
CBDA	1	0.0312	0.0325	%	95.9	90.0	- 110	Acceptable	
CBGA	1	0.0311	0.0326	%	95.3	80.0	- 120	Acceptable	
CBG	1	0.0318	0.0332	%	95.7	80.0	- 120	Acceptable	
CBD	1	0.0326	0.0337	%	96.6	90.0	- 110	Acceptable	
THCV	2	0.0215	0.0222	%	96.8	80.0	- 120	Acceptable	
d8THCV	2	0.0259	0.0272	%	95.5	80.0	- 120	Acceptable	
THCVA	2	0.0298	0.0310	%	96.2	80.0	- 120	Acceptable	
CBN	1	0.0323	0.0340	%	95.0	80.0	- 120	Acceptable	
exo-THC	2	0.0300	0.0311	%	96.4	80.0	- 120	Acceptable	
d9THC	1	0.0317	0.0329	%	96.2	90.0	- 110	Acceptable	
d8THC	1	0.0307	0.0320	%	96.0	90.0	- 110	Acceptable	
9S-d10THC	1	0.0328	0.0343	%	95.7	80.0	- 120	Acceptable	
CBL	2	0.0305	0.0311	%	98.1	80.0	- 120	Acceptable	
9R-d10THC	1	0.0296	0.0313	%	94.8	80.0	- 120	Acceptable	
CBC	2	0.0301	0.0319	%	94.5	80.0	- 120	Acceptable	
THCA	1	0.0305	0.0322	%	94.7	90.0	- 110	Acceptable	
CBCA	2	0.0309	0.0325	%	95.1	80.0	- 120	Acceptable	
CBLA	2	0.0476	0.0500	%	95.1	80.0	- 120	Acceptable	
d9THCP	2	0.0303	0.0323	%	93.7	80.0	- 120	Acceptable	
CBT	2	0.0302	0.0314	%	96.3	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00329	%	< 0.00329	Acceptable	
CBDV	<LOQ	0.00329	%	< 0.00329	Acceptable	
CBE	<LOQ	0.00329	%	< 0.00329	Acceptable	
CBDA	<LOQ	0.00329	%	< 0.00329	Acceptable	
CBGA	<LOQ	0.00329	%	< 0.00329	Acceptable	
CBG	<LOQ	0.00329	%	< 0.00329	Acceptable	
CBD	<LOQ	0.00329	%	< 0.00329	Acceptable	
THCV	<LOQ	0.00329	%	< 0.00329	Acceptable	
d8THCV	<LOQ	0.00329	%	< 0.00329	Acceptable	
THCVA	<LOQ	0.00329	%	< 0.00329	Acceptable	
CBN	<LOQ	0.00329	%	< 0.00329	Acceptable	
exo-THC	<LOQ	0.00329	%	< 0.00329	Acceptable	
d9THC	<LOQ	0.00329	%	< 0.00329	Acceptable	
d8THC	<LOQ	0.00329	%	< 0.00329	Acceptable	
9S-d10THC	<LOQ	0.00329	%	< 0.00329	Acceptable	
CBL	<LOQ	0.00329	%	< 0.00329	Acceptable	
9R-d10THC	<LOQ	0.00329	%	< 0.00329	Acceptable	
CBC	<LOQ	0.00329	%	< 0.00329	Acceptable	
THCA	<LOQ	0.00329	%	< 0.00329	Acceptable	
CBCA	<LOQ	0.00329	%	< 0.00329	Acceptable	
CBLA	<LOQ	0.00329	%	< 0.00329	Acceptable	
d9THCP	<LOQ	0.00329	%	< 0.00329	Acceptable	
CBT	<LOQ	0.00329	%	< 0.00329	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: 23-008422/D002.R001
Report Date: 08/02/2023
ORELAP#: OR100028
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Received: 07/17/23 16:20

Revision: 4 Document ID: 7148
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Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2309237						
Sample Duplicate		Sample ID: 23-008341-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBDV	0.0385	0.0387	0.00324	%	0.686	< 20	Acceptable	
CBE	0.0621	0.0622	0.00324	%	0.148	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBG	0.0498	0.0504	0.00324	%	1.06	< 20	Acceptable	
CBD	3.39	3.39	0.00324	%	0.0904	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBN	0.0246	0.0248	0.00324	%	0.621	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
d9THC	0.133	0.133	0.00324	%	0.181	< 20	Acceptable	
d8THC	0.0377	0.0394	0.00324	%	4.40	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBL	0.00517	0.00522	0.00324	%	0.882	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBC	0.246	0.247	0.00324	%	0.462	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBT	0.0502	0.0505	0.00324	%	0.536	< 20	Acceptable	

Abbreviations

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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg			Batch ID: 2309567			
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		0.997	1.000	99.7	50.0	150
Acephate	0.002	< 0.200		0.711	0.800	88.9	60.0	120
Acetamiprid	0.000	< 1.000		3.870	4.000	96.8	40.0	160
Acetamiprid	0.000	< 0.100		0.390	0.400	97.5	60.0	120
Aldicarb	0.000	< 0.200		0.793	0.800	99.1	60.0	120
Azoxystrobin	0.000	< 0.100		0.398	0.400	99.5	60.0	120
Bifenazate	0.000	< 0.100		0.406	0.400	101.6	60.0	120
Bifenthrin	0.000	< 0.100		0.381	0.400	95.4	50.0	150
Boscalid	0.000	< 0.200		0.789	0.800	98.6	60.0	120
Carbaryl	0.000	< 0.100		0.394	0.400	98.4	60.0	120
Carbofuran	0.000	< 0.100		0.393	0.400	98.3	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.397	0.400	99.3	60.0	120
Chlorfenapyr	0.000	< 0.500		2.138	2.000	106.9	60.0	120
Chlorpyrifos	0.000	< 0.100		0.387	0.400	96.7	60.0	120
Clofentazine	0.000	< 0.100		0.371	0.400	92.7	60.0	120
Cyfluthrin	0.000	< 0.500		2.112	2.000	105.6	50.0	150
Cypermethrin	0.000	< 0.500		1.984	2.000	99.2	50.0	150
Daminozide	0.000	< 0.500		0.701	2.000	35.1	60.0	120
Diazinon	0.000	< 0.100		0.398	0.400	99.5	60.0	120
Dichlorvos	0.000	< 0.500		1.909	2.000	95.4	60.0	120
Dimethoate	0.000	< 0.100		0.384	0.400	96.0	60.0	120
Ethoprophos	0.000	< 0.100		0.391	0.400	97.8	60.0	120
Etofenprox	0.000	< 0.200		0.799	0.800	99.9	50.0	150
Etoxazole	0.000	< 0.100		0.407	0.400	101.8	60.0	120
Fenoxycarb	0.000	< 0.100		0.393	0.400	98.2	60.0	120
Fenpyroximate	0.000	< 0.200		0.811	0.800	101.4	60.0	120
Fipronil	0.000	< 0.200		0.791	0.800	98.8	60.0	120
Fonicamid	0.000	< 0.250		0.959	1.000	95.9	60.0	120
Fludioxonil	0.000	< 0.200		0.797	0.800	99.6	50.0	150
Hexythiazox	0.000	< 0.250		0.980	1.000	98.0	60.0	120
Imazalil	0.000	< 0.100		0.398	0.400	99.6	60.0	120
Imidacloprid	0.000	< 0.200		0.732	0.800	91.5	60.0	120
Kresoxim-methyl	0.000	< 0.200		0.800	0.800	100.0	60.0	120
Malathion	0.000	< 0.100		0.394	0.400	98.4	60.0	120
Metaxalyl	0.000	< 0.100		0.400	0.400	99.9	60.0	120
Methiocarb	0.000	< 0.100		0.401	0.400	100.4	60.0	120
Methomyl	0.000	< 0.200		0.810	0.800	101.3	60.0	120
MGK-264	0.000	< 0.100		0.406	0.400	101.4	50.0	150
Myclobutanil	0.000	< 0.100		0.404	0.400	101.0	60.0	120
Naled	0.000	< 0.250		0.994	1.000	99.4	50.0	150
Oxamyl	0.000	< 0.500		2.058	2.000	102.9	60.0	120
Pacllobutrazole	0.000	< 0.200		0.782	0.800	97.8	60.0	120
Parathion-Methyl	0.000	< 0.100		0.402	0.400	100.4	50.0	150
Permethrin	0.000	< 0.100		0.394	0.400	98.5	50.0	150
Phosmet	0.000	< 0.100		0.387	0.400	96.8	50.0	150
Piperonyl butoxide	0.000	< 0.500		1.943	2.000	97.1	60.0	120
Prallethrin	0.000	< 0.100		0.394	0.400	98.5	60.0	120
Propiconazole	0.000	< 0.200		0.805	0.800	100.6	60.0	120
Propoxur	0.000	< 0.100		0.384	0.400	96.1	60.0	120
Pyrethrin (Summe)	0.001	< 0.100		0.467	0.488	95.7	60.0	120
Pyridaben	0.000	< 0.100		0.389	0.400	97.1	50.0	150
Spinosad	0.000	< 0.100		0.387	0.388	99.7	50.0	150
Spiromesifen	0.000	< 0.100		0.384	0.400	96.0	60.0	120
Spirotetramat	0.000	< 0.100		0.391	0.400	97.7	60.0	120
Spiroxamine	0.000	< 0.200		0.791	0.800	98.9	60.0	120
Tebuconazole	0.000	< 0.200		0.796	0.800	99.4	60.0	120
Thiacloprid	0.000	< 0.100		0.402	0.400	100.4	60.0	120
Thiamethoxam	0.000	< 0.100		0.386	0.400	96.5	60.0	120
Trifloxystrobin	0.000	< 0.100		0.397	0.400	99.3	60.0	120

Q6



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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg				Batch ID: 2309567				
Matrix Spike/Matrix Spike Duplicate Recoveries					Sample ID: 23-008777-0001					
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	0.943	0.979	1.000	3.7%	< 30	94.3%	97.9%	50 - 150	
Acephate	0.001	0.669	0.661	0.800	1.3%	< 30	83.5%	82.5%	50 - 150	
Acequinocyl	0.001	3.617	3.714	4.000	2.6%	< 30	90.4%	92.8%	50 - 150	
Acetamiprid	0.000	0.366	0.374	0.400	2.2%	< 30	91.5%	93.6%	50 - 150	
Aldicarb	0.000	0.735	0.750	0.800	1.9%	< 30	91.9%	93.7%	50 - 150	
Azoxystrobin	0.000	0.385	0.369	0.400	4.1%	< 30	96.1%	92.3%	50 - 150	
Bifenazate	0.000	0.379	0.381	0.400	0.6%	< 30	94.7%	95.3%	50 - 150	
Bifenthrin	0.000	0.372	0.368	0.400	1.0%	< 30	93.0%	92.1%	50 - 150	
Boscalid	0.000	0.823	0.730	0.800	12.0%	< 30	102.9%	91.2%	50 - 150	
Carbaryl	0.000	0.365	0.377	0.400	3.1%	< 30	91.4%	94.3%	50 - 150	
Carbofuran	0.000	0.364	0.380	0.400	4.2%	< 30	91.1%	95.0%	50 - 150	
Chlorantraniliprole	0.000	0.366	0.368	0.400	0.5%	< 30	91.5%	92.0%	50 - 150	
Chlorfenapyr	0.000	1.933	1.979	2.000	2.4%	< 30	96.6%	99.0%	50 - 150	
Chlorpyrifos	0.000	0.359	0.366	0.400	2.0%	< 30	89.8%	91.6%	50 - 150	
Clofentezine	0.000	0.302	0.305	0.400	1.0%	< 30	75.5%	76.3%	50 - 150	
Cyfluthrin	0.000	1.825	1.624	2.000	11.7%	< 30	91.3%	81.2%	30 - 150	
Cypermethrin	0.000	1.852	1.905	2.000	2.8%	< 30	92.6%	95.2%	50 - 150	
Daminozide	0.000	0.688	0.653	2.000	5.2%	< 30	34.4%	32.7%	30 - 150	
Diazinon	0.000	0.376	0.367	0.400	2.4%	< 30	93.9%	91.7%	50 - 150	
Dichlorvos	0.000	1.826	1.957	2.000	6.9%	< 30	91.3%	97.9%	50 - 150	
Dimethoate	0.000	0.378	0.392	0.400	3.6%	< 30	94.5%	97.9%	50 - 150	
Ethoprophos	0.000	0.371	0.396	0.400	6.5%	< 30	92.7%	98.9%	50 - 150	
Etofenprox	0.000	0.748	0.749	0.800	0.3%	< 30	93.4%	93.7%	50 - 150	
Etoxazole	0.000	0.385	0.386	0.400	0.5%	< 30	96.1%	96.6%	50 - 150	
Fenoxycarb	0.000	0.370	0.370	0.400	0.1%	< 30	92.4%	92.6%	50 - 150	
Fenpyroximate	0.000	0.784	0.793	0.800	1.1%	< 30	98.1%	99.1%	50 - 150	
Fipronil	0.000	0.754	0.742	0.800	1.5%	< 30	94.2%	92.8%	50 - 150	
Fonicamid	0.000	0.916	0.914	1.000	0.2%	< 30	91.6%	91.4%	50 - 150	
Fludioxonil	0.000	0.735	0.780	0.800	5.9%	< 30	91.8%	97.4%	50 - 150	
Hexythiazox	0.000	0.911	0.907	1.000	0.4%	< 30	91.1%	90.7%	50 - 150	
Imazalil	0.000	0.374	0.376	0.400	0.7%	< 30	93.5%	94.1%	50 - 150	
Imidacloprid	0.000	0.757	0.748	0.800	1.1%	< 30	94.6%	93.5%	50 - 150	
Kresoxim-methyl	0.000	0.744	0.738	0.800	0.8%	< 30	93.0%	92.3%	50 - 150	
Malathion	0.000	0.360	0.376	0.400	4.4%	< 30	90.0%	94.1%	50 - 150	
Metaxalyl	0.000	0.378	0.375	0.400	0.8%	< 30	94.5%	93.7%	50 - 150	
Methiocarb	0.000	0.370	0.378	0.400	2.2%	< 30	92.4%	94.5%	50 - 150	
Methomyl	0.000	0.760	0.775	0.800	2.0%	< 30	95.0%	96.9%	50 - 150	
MGK-264	0.000	0.373	0.353	0.400	5.3%	< 30	93.2%	88.3%	50 - 150	
Myclobutanil	0.000	0.368	0.384	0.400	4.4%	< 30	92.0%	96.1%	50 - 150	
Naled	0.000	0.930	0.920	1.000	1.1%	< 30	93.0%	92.0%	50 - 150	
Oxamyl	0.000	1.904	1.989	2.000	4.4%	< 30	95.2%	99.5%	50 - 150	
Paclobotrazole	0.000	0.739	0.737	0.800	0.2%	< 30	92.4%	92.2%	50 - 150	
Parathion-Methyl	0.000	0.396	0.348	0.400	13.0%	< 30	99.0%	87.0%	30 - 150	
Permethrin	0.000	0.359	0.364	0.400	1.2%	< 30	89.9%	90.9%	50 - 150	
Phosmet	0.000	0.374	0.366	0.400	2.2%	< 30	93.6%	91.6%	50 - 150	
Piperonyl butoxide	0.000	1.820	1.858	2.000	2.0%	< 30	91.0%	92.9%	50 - 150	
Prallethrin	0.000	0.374	0.379	0.400	1.1%	< 30	93.6%	94.7%	50 - 150	
Propiconazole	0.000	0.747	0.745	0.800	0.3%	< 30	93.4%	93.1%	50 - 150	
Propoxur	0.000	0.368	0.380	0.400	3.1%	< 30	92.1%	95.0%	50 - 150	
Pyrethrin (Summe)	0.008	0.342	0.335	0.488	1.9%	< 30	68.3%	67.1%	50 - 150	
Pyridaben	0.000	0.369	0.378	0.400	2.5%	< 30	92.1%	94.5%	50 - 150	
Spinosad	0.000	0.372	0.365	0.388	1.9%	< 30	95.9%	94.1%	50 - 150	
Spiromesifen	0.000	0.380	0.386	0.400	1.6%	< 30	94.9%	96.4%	50 - 150	
Spirotetramat	0.000	0.365	0.367	0.400	0.5%	< 30	91.1%	91.6%	50 - 150	
Spiroxamine	0.000	0.749	0.747	0.800	0.3%	< 30	93.6%	93.3%	50 - 150	
Tebuconazole	0.000	0.740	0.717	0.800	3.1%	< 30	92.5%	89.6%	50 - 150	
Thiacloprid	0.000	0.375	0.364	0.400	2.9%	< 30	93.8%	91.1%	50 - 150	
Thiamethoxam	0.000	0.387	0.367	0.400	5.4%	< 30	96.8%	91.8%	50 - 150	
Trifloxystrobin	0.000	0.371	0.374	0.400	0.9%	< 30	92.7%	93.5%	50 - 150	



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Terpenes Quality Control Results

Method Reference: EPA 5035				Batch ID: 2309568					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits	Notes
a-pinene	<LOQ	< 200		424	500	µg/g	85%	70 - 130	
Camphene	<LOQ	< 200		453	500	µg/g	91%	70 - 130	
Sabinene	<LOQ	< 200		438	500	µg/g	88%	70 - 130	
b-Pinene	<LOQ	< 200		432	500	µg/g	86%	70 - 130	
b-Myrcene	<LOQ	< 200		450	500	µg/g	90%	70 - 130	
a-phellandrene	<LOQ	< 200		464	500	µg/g	93%	70 - 130	
d-3-Carene	<LOQ	< 200		452	500	µg/g	90%	70 - 130	
a-Terpinene	<LOQ	< 200		445	500	µg/g	89%	70 - 130	
p-Cymene	<LOQ	< 200		438	500	µg/g	88%	70 - 130	
D-Limonene	<LOQ	< 200		438	500	µg/g	88%	70 - 130	
Eucalyptol	<LOQ	< 200		448	500	µg/g	90%	70 - 130	
b-cis-Ocimene	<LOQ	< 67		151	167	µg/g	91%	70 - 130	
b-trans-Ocimene	<LOQ	< 133		300	333	µg/g	90%	70 - 130	
g-Terpinene	<LOQ	< 200		437	500	µg/g	87%	70 - 130	
Sabinene_Hydrate	<LOQ	< 200		450	500	µg/g	90%	70 - 130	
Terpinolene	<LOQ	< 200		450	500	µg/g	90%	70 - 130	
D-Fenchone	<LOQ	< 200		434	500	µg/g	87%	70 - 130	
Linalool	<LOQ	< 200		473	500	µg/g	95%	70 - 130	
Fenchol	<LOQ	< 200		444	500	µg/g	89%	70 - 130	
Camphor	<LOQ	< 200		446	500	µg/g	89%	70 - 130	
Isopulego	<LOQ	< 200		469	500	µg/g	94%	70 - 130	
Isoborneol	<LOQ	< 200		465	500	µg/g	93%	70 - 130	
Borneol	<LOQ	< 200		449	500	µg/g	90%	70 - 130	
DL-Menthol	<LOQ	< 200		450	500	µg/g	90%	70 - 130	
Terpineol	<LOQ	< 200		444	500	µg/g	89%	70 - 130	
Nerol	<LOQ	< 200		440	500	µg/g	88%	70 - 130	
Pulegone	<LOQ	< 200		459	500	µg/g	92%	70 - 130	
Geraniol	<LOQ	< 200		471	500	µg/g	94%	70 - 130	
Geranyl_Acetate	<LOQ	< 200		466	500	µg/g	93%	70 - 130	
a-Cedrene	<LOQ	< 200		448	500	µg/g	90%	70 - 130	
b-Caryophyllene	<LOQ	< 200		456	500	µg/g	91%	70 - 130	
a-Humulene	<LOQ	< 200		440	500	µg/g	88%	70 - 130	
Valenene	<LOQ	< 200		447	500	µg/g	89%	70 - 130	
cis-Nerolidol	<LOQ	< 200		474	500	µg/g	95%	70 - 130	
a-Farnesene	<LOQ	< 200		490	500	µg/g	98%	70 - 130	
trans-Nerolidol	<LOQ	< 200		460	500	µg/g	92%	70 - 130	
Caryophyllene_Oxide	<LOQ	< 200		464	500	µg/g	93%	70 - 130	
Guaiol	<LOQ	< 200		452	500	µg/g	90%	70 - 130	
Cedrol	<LOQ	< 200		468	500	µg/g	94%	70 - 130	
a-Bisabolol	<LOQ	< 200		464	500	µg/g	93%	70 - 130	

Definitions

LOQ	Limit of Quantitation
LCS	Laboratory Control Sample
% REC	Percent Recovery



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Terpenes Quality Control Results

Method Reference: EPA 5035		Batch ID: 2309568					
Sample/Sample Duplicate		Sample ID: 23-008678-0002					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	2080	1970	194	µg/g	5%	< 20	
Camphene	<LOQ	<LOQ	194	µg/g	0%	< 20	
Sabinene	<LOQ	<LOQ	194	µg/g	0%	< 20	
b-Pinene	2330	2220	194	µg/g	5%	< 20	
b-Myrcene	5820	5490	194	µg/g	6%	< 20	
a-phellandrene	737	696	194	µg/g	6%	< 20	
d-3-Carene	882	836	194	µg/g	5%	< 20	
a-Terpinene	<LOQ	<LOQ	194	µg/g	0%	< 20	
p-Cymene	211	199	194	µg/g	6%	< 20	
D-Limonene	14100	13300	194	µg/g	6%	< 20	
Eucalyptol	<LOQ	<LOQ	194	µg/g	0%	< 20	
b-cis-Ocimene	9200	8670	64.7	µg/g	6%	< 20	
b-trans-Ocimene	<LOQ	<LOQ	129	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	194	µg/g	0%	< 20	
Sabinene_Hydrate	<LOQ	<LOQ	194	µg/g	0%	< 20	
Terpinolene	25900	24500	194	µg/g	6%	< 20	
D-Fenchone	<LOQ	<LOQ	194	µg/g	0%	< 20	
Linalool	1100	1060	194	µg/g	4%	< 20	
Fenchol	284	277	194	µg/g	2%	< 20	
Camphor	<LOQ	<LOQ	194	µg/g	0%	< 20	
Isopulego	<LOQ	<LOQ	194	µg/g	0%	< 20	
Isoborneol	<LOQ	<LOQ	194	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	194	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	194	µg/g	0%	< 20	
Terpineol	722	696	194	µg/g	4%	< 20	
Nerol	<LOQ	<LOQ	194	µg/g	0%	< 20	
Pulegone	<LOQ	<LOQ	194	µg/g	0%	< 20	
Geraniol	<LOQ	<LOQ	194	µg/g	0%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	194	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	194	µg/g	0%	< 20	
b-Caryophyllene	6440	6220	194	µg/g	3%	< 20	
a-Humulene	254	254	194	µg/g	0%	< 20	
Valenene	<LOQ	<LOQ	194	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	194	µg/g	0%	< 20	
a-Farnesene	390	372	194	µg/g	5%	< 20	
trans-Nerolidol	<LOQ	<LOQ	194	µg/g	0%	< 20	
Caryophyllene_Oxide	1520	1470	194	µg/g	3%	< 20	
Guaiol	<LOQ	<LOQ	194	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	194	µg/g	0%	< 20	
a-Bisabolol	<LOQ	<LOQ	194	µg/g	0%	< 20	

Definitions

RPD Relative Percent Difference



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 503-254-1794

Report Number: 23-008422/D002.R001
 Report Date: 08/02/2023
 ORELAP#: OR100028
 Purchase Order: 2558667
 Received: 07/17/23 16:20



Revision: 2 Document ID: 7087
 Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2309574					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		495	584	µg/g	84.8	60 - 120	
Isobutane	ND	< 200		650	767	µg/g	84.7	60 - 120	
Butane	ND	< 200		655	782	µg/g	83.8	60 - 120	
2,2-Dimethylpropane	ND	< 200		816	939	µg/g	86.9	60 - 120	
Methanol	ND	< 200		1680	1640	µg/g	102.4	60 - 120	
Ethylene Oxide	ND	< 30		58.7	57.1	µg/g	102.8	60 - 120	
2-Methylbutane	ND	< 200		1420	1600	µg/g	88.8	60 - 120	
Pentane	ND	< 200		1480	1620	µg/g	91.4	60 - 120	
Ethanol	ND	< 200		1670	1610	µg/g	103.7	70 - 130	
Ethyl Ether	ND	< 200		1490	1610	µg/g	92.5	60 - 120	
2,2-Dimethylbutane	ND	< 30		160	168	µg/g	95.2	60 - 120	
Acetone	ND	< 200		1530	1620	µg/g	94.4	60 - 120	
2-Propanol	ND	< 200		1790	1600	µg/g	111.9	60 - 120	
Ethyl Formate	ND	< 500		1490	1600	µg/g	93.1	70 - 130	
Acetonitrile	ND	< 100		443	484	µg/g	91.5	60 - 120	
Methyl Acetate	ND	< 500		1570	1610	µg/g	97.5	70 - 130	
2,3-Dimethylbutane	ND	< 30		152	162	µg/g	93.8	60 - 120	
Dichloromethane	ND	< 60		457	483	µg/g	94.6	60 - 120	
2-Methylpentane	ND	< 30		164	174	µg/g	94.3	60 - 120	
MTBE	ND	< 500		1520	1610	µg/g	94.4	70 - 130	
3-Methylpentane	ND	< 30		167	168	µg/g	99.4	60 - 120	
Hexane	ND	< 30		156	168	µg/g	92.9	60 - 120	
1-Propanol	ND	< 500		1720	1600	µg/g	107.5	70 - 130	
Methylethylketone	ND	< 500		1570	1620	µg/g	96.9	70 - 130	
Ethyl acetate	ND	< 200		1610	1600	µg/g	100.6	60 - 120	
2-Butanol	ND	< 200		1800	1600	µg/g	112.5	60 - 120	
Tetrahydrofuran	ND	< 100		482	514	µg/g	93.8	60 - 120	
Cyclohexane	ND	< 200		1530	1600	µg/g	95.6	60 - 120	
2-methyl-1-propanol	ND	< 500		1770	1610	µg/g	109.9	70 - 130	
Benzene	ND	< 1		4.04	5.12	µg/g	78.9	60 - 120	
Isopropyl Acetate	ND	< 200		1610	1620	µg/g	99.4	60 - 120	
Heptane	ND	< 200		1490	1610	µg/g	92.5	60 - 120	
1-Butanol	ND	< 500		1750	1600	µg/g	109.4	70 - 130	
Propyl Acetate	ND	< 500		1540	1600	µg/g	96.3	70 - 130	
1,4-Dioxane	ND	< 100		462	493	µg/g	93.7	60 - 120	
2-Ethoxyethanol	ND	< 30		177	163	µg/g	108.6	60 - 120	
Methylisobutylketone	ND	< 500		1540	1600	µg/g	96.3	70 - 130	
3-Methyl-1-butanol	ND	< 500		1670	1610	µg/g	103.7	70 - 130	
Ethylene Glycol	ND	< 200		223	483	µg/g	46.2	60 - 120	Q6
Toluene	ND	< 100		456	493	µg/g	92.5	60 - 120	
Isobutyl Acetate	ND	< 500		1510	1600	µg/g	94.4	70 - 130	
1-Pentanol	ND	< 500		1740	1600	µg/g	108.8	70 - 130	
Butyl Acetate	ND	< 500		1480	1600	µg/g	92.5	70 - 130	
Ethylbenzene	ND	< 200		885	969	µg/g	91.3	60 - 120	
m,p-Xylene	ND	< 200		864	968	µg/g	89.3	60 - 120	
o-Xylene	ND	< 200		879	976	µg/g	90.1	60 - 120	
Cumene	ND	< 30		147	162	µg/g	90.7	60 - 120	
Anisole	ND	< 500		1320	1610	µg/g	82.0	70 - 130	
DMSO	ND	< 500		1100	1610	µg/g	68.3	70 - 130	Q6
1,2-dimethoxyethane	ND	< 50		154	164	µg/g	93.9	70 - 130	
Triethylamine	ND	< 500		1330	1600	µg/g	83.1	70 - 130	
N,N-dimethylformamide	ND	< 150		454	484	µg/g	93.8	70 - 130	
N,N-dimethylacetamide	ND	< 150		424	489	µg/g	86.7	70 - 130	
Pyridine	ND	< 50		143	172	µg/g	83.1	70 - 130	
Sulfolane	ND	< 50		118	163	µg/g	72.4	70 - 130	
1,2-Dichloroethane	ND	< 1		0.978	1	µg/g	97.8	70 - 130	
Chloroform	ND	< 1		1.05	1	µg/g	105.0	70 - 130	
Trichloroethylene	ND	< 1		1.13	1	µg/g	113.0	70 - 130	
1,1-Dichloroethane	ND	< 1		1.01	1	µg/g	101.0	70 - 130	



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Received: 07/17/23 16:20

Revision: 2 Document ID: 7087
 Legacy ID: CFL-E33Effective:

QC - Sample Duplicate		Sample ID: 23-008675-0001						
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	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	
MTBE	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methyl ethyl ketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	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	
Trichloroethylene	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

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.