

CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU	BATCH #	LOQ: Limit Of Quantitation	
PRODUCT NAME	SERVING SIZE	LOD: Limit Of Detection	
LABORATORY :	OREGON ACCREDITATION: OR100028	1 g = 10 ⁻³ kg = 10 ³ mg = 10 ⁶ 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 ^[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: 23-009021/D004.R000
Report Date: 08/14/2023
ORELAP#: OR100028
Purchase Order: 2577335
Received: 07/31/23 16:12

Customer: Etz Hayim Holdings
Product identity: FORM-SYR.RSO400-FF41
Client/Metric ID: .
Laboratory ID: 23-009021-0001

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g	15.3		mg/1g		CBD-Total per Serving Size 407 mg/1g
CBD per 1g	407		mg/1g		
CBDV per 1g	1.90		mg/1g		THC-Total per Serving Size <LOQ (Reported in milligrams per serving)
CBE per 1g	26.7		mg/1g		
CBG per 1g	8.00		mg/1g		
CBL per 1g	1.09		mg/1g		
CBN per 1g	4.82		mg/1g		
CBT per 1g	11.3		mg/1g		
Δ9-THC per 1g	1.31		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
a-Bisabolol	0.644	21.54%	(-)-caryophyllene oxide	0.590	19.73%
β-Caryophyllene	0.488	16.32%	farnesene	0.393	13.14%
Humulene	0.265	8.86%	(-)-Guaiol	0.218	7.29%
Linalool	0.123	4.11%	(R)-(+)-Limonene	0.0966	3.23%
(±)-trans-Nerolidol	0.0596	1.99%	(+)-fenchol	0.0464	1.55%
(-)-a-Terpineol	0.0389	1.30%	valencene	0.0227	0.76%
Total Terpenes	2.99	100.00%			

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: FORM-SYR.RSO400-FF41

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-009021-0001

Evidence of Cooling: No

Temp: 24.6 °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: 2309779	Analyze: 8/4/23 6:44:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	15.3		mg/1g	0.720	
CBC-A per 1g	< LOQ		mg/1g	0.720	
CBC-Total per 1g	15.3		mg/1g	1.35	
CBD per 1g	407		mg/1g	7.20	
CBD-A per 1g	< LOQ		mg/1g	0.720	
CBD-Total per 1g	407		mg/1g	7.83	
CBDV per 1g	1.90		mg/1g	0.720	
CBDV-A per 1g	< LOQ		mg/1g	0.720	
CBDV-Total per 1g	1.90		mg/1g	1.34	
CBE per 1g	26.7		mg/1g	0.720	
CBG per 1g	8.00		mg/1g	0.720	
CBG-A per 1g	< LOQ		mg/1g	0.720	
CBG-Total per 1g	8.00		mg/1g	1.34	
CBL per 1g	1.09		mg/1g	0.720	
CBL-A per 1g	< LOQ		mg/1g	0.720	
CBL-Total per 1g	< LOQ		mg/1g	1.35	
CBN per 1g	4.82		mg/1g	0.720	
CBT per 1g	11.3		mg/1g	0.720	
Δ8-THCV per 1g	< LOQ		mg/1g	0.720	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.720	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.720	
Δ10-THC-Total per 1g	< LOQ		mg/1g	1.44	
Δ8-THC per 1g	< LOQ		mg/1g	0.720	
Δ9-THC per 1g	1.31		mg/1g	0.720	
delta-9-THCP per 1g	< LOQ		mg/1g	0.720	
exo-THC per 1g	< LOQ		mg/1g	0.720	
THC-A per 1g	< LOQ		mg/1g	0.720	
THC-Total per 1g	< LOQ		mg/1g	1.35	
THCV per 1g	< LOQ		mg/1g	0.720	
THCV-A per 1g	< LOQ		mg/1g	0.720	



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Potency per 1g	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2309779	Analyze: 8/4/23 6:44:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
THCV-Total per 1g	< LOQ		mg/1g	1.35	
Total Cannabinoids per 1g	477		mg/1g		

Microbiology							
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status Notes
E.coli	< LOQ		cfu/g	10	2309795	08/10/23 AOAC 991.14 (Petrifilm) ^p	
Total Coliforms	< LOQ		cfu/g	10	2309795	08/10/23 AOAC 991.14 (Petrifilm) ^p	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2309796	08/10/23 AOAC 2014.05 (RAPID) ^p	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2309796	08/10/23 AOAC 2014.05 (RAPID) ^p	

Solvents											
Method: Residual Solvents by GC/MS ^b						Units µg/g		Batch 2309948		Analyze 08/11/23 01:46 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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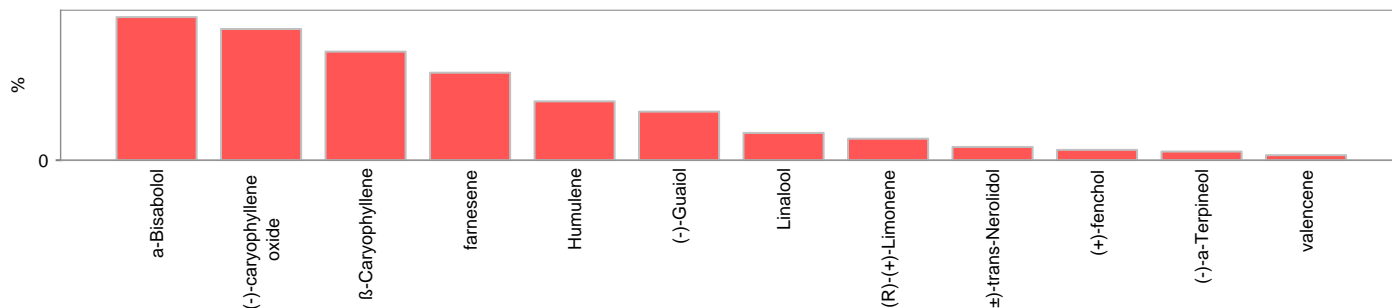


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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) ^b											
Units mg/kg Batch 2309850 Analyze 08/09/23 01:02 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [‡]	< LOQ	0.50	0.250	pass		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		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		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 2309938	Analyze 08/10/23 04:11 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
a-Bisabolol	0.644	0.018	21.538%		(-)-caryophyllene oxide	0.590	0.018	19.732%	
β-Caryophyllene	0.488	0.018	16.321%		farnesene	0.393	0.018	13.144%	
Humulene	0.265	0.018	8.863%		(-)-Guaiol	0.218	0.018	7.291%	
Linalool	0.123	0.018	4.114%		(R)-(+)-Limonene	0.0966	0.018	3.2308%	
(±)-trans-Nerolidol	0.0596	0.018	1.9933%		(+)-fenchol	0.0464	0.018	1.5518%	
(-)-a-Terpineol	0.0389	0.018	1.3010%		valencene	0.0227	0.018	0.7592%	
(+)-Borneol	< LOQ	0.018	0.00%		(-)-β-Pinene	< LOQ	0.018	0.00%	
a-pinene	< LOQ	0.018	0.00%		Sabinene hydrate	< LOQ	0.018	0.00%	
Eucalyptol	< LOQ	0.018	0.00%		Terpinolene	< LOQ	0.018	0.00%	
(±)-Camphor	< LOQ	0.018	0.00%		Geraniol	< LOQ	0.018	0.00%	
Geranyl acetate	< LOQ	0.018	0.00%		(±)-fenchone	< LOQ	0.018	0.00%	
a-Terpinene	< LOQ	0.018	0.00%		(-)-Isopulegol	< LOQ	0.018	0.00%	
nerol	< LOQ	0.018	0.00%		β-Myrcene	< LOQ	0.018	0.00%	
a-phellandrene	< LOQ	0.018	0.00%		p-Cymene	< LOQ	0.018	0.00%	
d-3-Carene	< LOQ	0.018	0.00%		trans-β-Ocimene	< LOQ	0.012	0.00%	
gamma-Terpinene	< LOQ	0.018	0.00%		Menthol	< LOQ	0.018	0.00%	
(+)-Pulegone	< LOQ	0.018	0.00%		Sabinene	< LOQ	0.018	0.00%	
(+)-Cedrol	< LOQ	0.018	0.00%		(±)-cis-Nerolidol	< LOQ	0.018	0.00%	
a-cedrene	< LOQ	0.018	0.00%		Camphene	< LOQ	0.018	0.00%	
cis-β-Ocimene	< LOQ	0.006	0.00%		Isoborneol	< LOQ	0.018	0.00%	
Total Terpenes	2.99								



Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic [‡]	< LOQ	0.200	mg/kg	0.0808	2309906	08/10/23 AOAC 2013.06 (mod.) ^p	pass	
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0808	2309906	08/10/23 AOAC 2013.06 (mod.) ^p	pass	
Lead [‡]	< LOQ	0.500	mg/kg	0.0808	2309906	08/10/23 AOAC 2013.06 (mod.) ^p	pass	
Mercury [‡]	< LOQ	0.100	mg/kg	0.0404	2309906	08/10/23 AOAC 2013.06 (mod.) ^p	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

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

JAOAC2015 V98-6 Batch ID: 2309779

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0746	0.0718	%	104	80.0	- 120	Acceptable	
CBDV	2	0.0737	0.0708	%	104	80.0	- 120	Acceptable	
CBE	2	0.0830	0.0805	%	103	80.0	- 120	Acceptable	
CBD	1	0.0791	0.0776	%	102	90.0	- 110	Acceptable	
CBGA	1	0.0790	0.0774	%	102	80.0	- 120	Acceptable	
CBG	1	0.0807	0.0794	%	102	80.0	- 120	Acceptable	
CBDA	1	0.0834	0.0812	%	103	90.0	- 110	Acceptable	
THCV	2	0.0530	0.0513	%	103	80.0	- 120	Acceptable	
d8THCV	2	0.0638	0.0627	%	102	80.0	- 120	Acceptable	
THCVA	2	0.0753	0.0715	%	105	80.0	- 120	Acceptable	
CBN	1	0.0820	0.0810	%	101	80.0	- 120	Acceptable	
exo-THC	2	0.0732	0.0718	%	102	80.0	- 120	Acceptable	
d9THC	1	0.0807	0.0796	%	101	90.0	- 110	Acceptable	
d8THC	1	0.0755	0.0750	%	101	90.0	- 110	Acceptable	
9S-d10THC	1	0.0823	0.0816	%	101	80.0	- 120	Acceptable	
CBL	2	0.0745	0.0718	%	104	80.0	- 120	Acceptable	
9R-d10THC	1	0.0744	0.0745	%	99.9	80.0	- 120	Acceptable	
CBC	2	0.0741	0.0736	%	101	80.0	- 120	Acceptable	
THCA	1	0.0764	0.0763	%	100	90.0	- 110	Acceptable	
CBCA	2	0.0773	0.0750	%	103	80.0	- 120	Acceptable	
CBLA	2	0.119	0.115	%	103	80.0	- 120	Acceptable	
d9THCP	2	0.0750	0.0746	%	100	80.0	- 120	Acceptable	
CBT	2	0.0718	0.0725	%	99.0	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0750	%	< 0.0750	Acceptable	
CBDV	<LOQ	0.0750	%	< 0.0750	Acceptable	
CBE	<LOQ	0.0750	%	< 0.0750	Acceptable	
CBDA	<LOQ	0.0750	%	< 0.0750	Acceptable	
CBGA	<LOQ	0.0750	%	< 0.0750	Acceptable	
CBG	<LOQ	0.0750	%	< 0.0750	Acceptable	
CB	<LOQ	0.0750	%	< 0.0750	Acceptable	
THCV	<LOQ	0.0750	%	< 0.0750	Acceptable	
d8THCV	<LOQ	0.0750	%	< 0.0750	Acceptable	
THCVA	<LOQ	0.0750	%	< 0.0750	Acceptable	
CBN	<LOQ	0.0750	%	< 0.0750	Acceptable	
exo-THC	<LOQ	0.0750	%	< 0.0750	Acceptable	
d9THC	<LOQ	0.0750	%	< 0.0750	Acceptable	
d8THC	<LOQ	0.0750	%	< 0.0750	Acceptable	
9S-d10THC	<LOQ	0.0750	%	< 0.0750	Acceptable	
CBL	<LOQ	0.0750	%	< 0.0750	Acceptable	
9R-d10THC	<LOQ	0.0750	%	< 0.0750	Acceptable	
CBC	<LOQ	0.0750	%	< 0.0750	Acceptable	
THCA	<LOQ	0.0750	%	< 0.0750	Acceptable	
CBCA	<LOQ	0.0750	%	< 0.0750	Acceptable	
CBLA	<LOQ	0.0750	%	< 0.0750	Acceptable	
d9THCP	<LOQ	0.0750	%	< 0.0750	Acceptable	
CBT	<LOQ	0.0750	%	< 0.0750	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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Report Date: 08/14/2023
ORELAP#: OR100028
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Received: 07/31/23 16:12

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Laboratory Quality Control Results

JAOAC2015 V98-6		Batch ID: 2309779						
Sample Duplicate		Sample ID: 23-009021-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.0750	%	NA	< 20	Acceptable	
CBDV	0.216	0.190	0.0750	%	12.9	< 20	Acceptable	
CBE	2.92	2.67	0.0750	%	9.00	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.0750	%	NA	< 20	Acceptable	
CBDGA	<LOQ	<LOQ	0.0750	%	NA	< 20	Acceptable	
CBG	0.844	0.800	0.0750	%	5.27	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.0750	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.0750	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.0750	%	NA	< 20	Acceptable	
CBN	0.518	0.482	0.0750	%	7.09	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.0750	%	NA	< 20	Acceptable	
d9THC	0.137	0.131	0.0750	%	4.49	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.0750	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.0750	%	NA	< 20	Acceptable	
CBL	0.105	0.109	0.0750	%	3.64	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.0750	%	NA	< 20	Acceptable	
CBC	1.65	1.53	0.0750	%	7.34	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.0750	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.0750	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.0750	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.0750	%	NA	< 20	Acceptable	
CBT	1.21	1.13	0.0750	%	6.91	< 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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Laboratory Pesticide Quality Control Results

AOAC2007.1 &EN 15662		Units: mg/Kg			Batch ID 2309850			
Method Bank	Laboratory Control Sample							
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spke	LCS % Re	Limits	Notes
Abamectin	0.000	< 0.250		0.928	1.000	92.8	50.0	150
Acephate	0.062	< 0.200		0.835	0.800	104.4	60.0	120
Acequinocyl	0.000	< 1.000		3.652	4.000	91.3	40.0	160
Acetamiprid	0.000	< 0.100		0.385	0.400	96.1	60.0	120
Aldicarb	0.000	< 0.200		0.808	0.800	101.0	60.0	120
Azoxystrobin	0.001	< 0.100		0.388	0.400	97.0	60.0	120
Bifenazate	0.000	< 0.100		0.429	0.400	107.2	60.0	120
Bifenthrin	0.000	< 0.100		0.352	0.400	88.1	50.0	150
Boscalid	0.000	< 0.200		0.668	0.800	83.5	60.0	120
Carbaryl	0.000	< 0.100		0.378	0.400	94.5	60.0	120
Carbofuran	0.000	< 0.100		0.388	0.400	97.0	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.375	0.400	93.7	60.0	120
Chlorfenapyr	0.000	< 0.500		2.043	2.000	102.1	60.0	120
Chlorpyrifos	0.000	< 0.100		0.398	0.400	99.6	60.0	120
Clofentazine	0.000	< 0.100		0.372	0.400	93.1	60.0	120
Cyfluthrin	0.000	< 0.500		2.076	2.000	103.8	50.0	150
Cypermethrin	0.000	< 0.500		2.022	2.000	101.1	50.0	150
Daminozide	0.140	< 0.500		1.988	2.000	99.4	60.0	120
Diazinon	0.000	< 0.100		0.406	0.400	101.5	60.0	120
Dichlorvos	0.000	< 0.500		1.862	2.000	93.1	60.0	120
Dimethoate	0.007	< 0.100		0.369	0.400	92.2	60.0	120
Ethoprophos	0.000	< 0.100		0.383	0.400	95.6	60.0	120
Etofenprox	0.000	< 0.200		0.781	0.800	97.6	50.0	150
Etoxazole	0.001	< 0.100		0.379	0.400	94.7	60.0	120
Fenoxycarb	0.000	< 0.100		0.384	0.400	96.1	60.0	120
Fenpyroximate	0.009	< 0.200		0.819	0.800	102.4	60.0	120
Fipronil	0.000	< 0.200		0.818	0.800	102.3	60.0	120
Fonicamid	0.000	< 0.250		0.861	1.000	86.1	60.0	120
Fludioxonil	0.000	< 0.200		0.782	0.800	97.8	50.0	150
Hexythiazox	0.011	< 0.250		0.914	1.000	91.4	60.0	120
Imazalil	0.000	< 0.100		0.387	0.400	96.6	60.0	120
Imidacloprid	0.015	< 0.200		0.736	0.800	92.0	60.0	120
Kresoxim-methyl	0.000	< 0.200		0.750	0.800	93.8	60.0	120
Malathion	0.000	< 0.100		0.380	0.400	95.0	60.0	120
Metaxalyl	0.000	< 0.100		0.392	0.400	97.9	60.0	120
Methiocarb	0.019	< 0.100		0.379	0.400	94.8	60.0	120
Methomyl	0.000	< 0.200		0.708	0.800	88.5	60.0	120
MGK-264	0.000	< 0.100		0.369	0.400	92.3	50.0	150
Myclobutanil	0.002	< 0.100		0.386	0.400	96.5	60.0	120
Naled	0.000	< 0.250		0.960	1.000	96.0	50.0	150
Oxamyl	0.000	< 0.500		1.871	2.000	93.6	60.0	120
Pacllobutrazole	0.000	< 0.200		0.770	0.800	96.3	60.0	120
Parathion-Methyl	0.000	< 0.100		0.379	0.400	94.6	50.0	150
Permethrin	0.006	< 0.100		0.401	0.400	100.1	50.0	150
Phosmet	0.000	< 0.100		0.386	0.400	96.5	50.0	150
Piperonyl butoxide	0.000	< 0.500		1.918	2.000	95.9	60.0	120
Prallethrin	0.082	< 0.100		0.413	0.400	103.2	60.0	120
Propiconazole	0.000	< 0.200		0.726	0.800	90.7	60.0	120
Propoxur	0.000	< 0.100		0.386	0.400	96.6	60.0	120
Pyrethrin (Summe)	0.013	< 0.100		0.452	0.488	92.7	60.0	120
Pyridaben	0.002	< 0.100		0.387	0.400	96.9	50.0	150
Spirosad	0.000	< 0.100		0.392	0.388	101.0	50.0	150
Spiromesifen	0.000	< 0.100		0.387	0.400	96.7	60.0	120
Spirotetramat	0.000	< 0.100		0.380	0.400	94.9	60.0	120
Spiroxamine	0.002	< 0.200		0.757	0.800	94.6	60.0	120
Tebuconazole	0.000	< 0.200		0.783	0.800	97.9	60.0	120
Thiacloprid	0.000	< 0.100		0.382	0.400	95.4	60.0	120
Thiamethoxam	0.000	< 0.100		0.350	0.400	87.4	60.0	120
Trifloxystrobin	0.000	< 0.100		0.376	0.400	94.0	60.0	120



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Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg				Batch ID 2309850				
Matrix Spke/Matrix Spke Duplicate Recoveries						Sample ID: 23-0090210001				
Analyte	Result	MS Res	MSD Res	Spike	RFD%	Limit	MS% Re	MSD % Re	Limits	Notes
Abamectin	0.000	0.610	0.634	1.000	3.8%	< 30	61.0%	63.4%	50 - 150	
Accephate	0.000	0.557	0.667	0.800	18.0%	< 30	69.6%	83.4%	50 - 150	
Acetaminophen	0.000	1.329	1.472	4.000	10.2%	< 30	33.2%	36.8%	50 - 150	Q
Acetamiprid	0.000	0.352	0.382	0.400	8.4%	< 30	87.9%	95.6%	50 - 150	
Aldicarb	0.000	0.765	0.809	0.800	5.7%	< 30	95.6%	101.2%	50 - 150	
Azoxystrobin	0.001	0.305	0.308	0.400	1.0%	< 30	76.0%	76.7%	50 - 150	
Bifenazate	0.000	0.302	0.313	0.400	3.7%	< 30	75.5%	78.3%	50 - 150	
Bifenthrin	0.000	0.193	0.214	0.400	10.6%	< 30	48.2%	53.6%	50 - 150	Q
Boscalid	0.000	0.492	0.636	0.800	25.6%	< 30	61.5%	79.5%	50 - 150	
Carbaryl	0.000	0.304	0.318	0.400	4.6%	< 30	75.9%	79.5%	50 - 150	
Carbofuran	0.000	0.347	0.370	0.400	6.4%	< 30	86.7%	92.4%	50 - 150	
Chlorantraniliprole	0.000	0.360	0.404	0.400	11.7%	< 30	89.9%	101.1%	50 - 150	
Chlorfenapyr	0.000	1.361	1.250	2.000	8.5%	< 30	68.0%	62.5%	50 - 150	
Chlorpyrifos	0.000	0.357	0.340	0.400	4.7%	< 30	89.2%	85.0%	50 - 150	
Clofentezine	0.000	0.208	0.246	0.400	16.7%	< 30	52.0%	61.5%	50 - 150	
Cyfluthrin	0.000	1.112	1.378	2.000	21.3%	< 30	55.6%	68.9%	30 - 150	
Cypermethrin	0.000	1.021	1.045	2.000	2.4%	< 30	51.0%	52.3%	50 - 150	
Daminozide	0.107	1.274	1.365	2.000	7.5%	< 30	58.3%	62.9%	30 - 150	
Diazinon	0.000	0.215	0.233	0.400	7.9%	< 30	53.7%	58.1%	50 - 150	
Dichlorvos	0.000	1.638	1.737	2.000	5.8%	< 30	81.9%	86.8%	50 - 150	
Dimethoate	0.009	0.366	0.389	0.400	6.2%	< 30	89.2%	94.8%	50 - 150	
Ethoprophos	0.000	0.238	0.260	0.400	8.9%	< 30	59.3%	64.8%	50 - 150	
Etofenprox	0.000	0.342	0.363	0.800	6.0%	< 30	42.7%	45.4%	50 - 150	Q
Etoxazole	0.001	0.343	0.356	0.400	3.7%	< 30	85.5%	88.7%	50 - 150	
Fenoxycarb	0.000	0.248	0.271	0.400	8.8%	< 30	62.1%	67.8%	50 - 150	
Fenpyroximate	0.000	0.299	0.322	0.800	7.4%	< 30	37.4%	40.2%	50 - 150	Q
Fipronil	0.000	0.354	0.431	0.800	19.7%	< 30	44.2%	53.9%	50 - 150	Q
Fonicamid	0.000	1.058	1.062	1.000	0.3%	< 30	105.8%	106.2%	50 - 150	
Fludioxonil	0.000	0.892	0.877	0.800	1.6%	< 30	111.5%	109.7%	50 - 150	
Hexythiazox	0.011	0.752	0.790	1.000	5.0%	< 30	74.1%	77.9%	50 - 150	
Imazalil	0.000	0.351	0.367	0.400	4.3%	< 30	87.8%	91.7%	50 - 150	
Imidacloprid	0.021	0.685	0.729	0.800	6.4%	< 30	83.1%	88.6%	50 - 150	
Kresoxim-methyl	0.000	0.467	0.520	0.800	10.7%	< 30	58.4%	65.0%	50 - 150	
Malathion	0.005	0.210	0.241	0.400	13.7%	< 30	51.3%	58.9%	50 - 150	
Metaxalyl	0.000	0.330	0.359	0.400	8.4%	< 30	82.6%	89.8%	50 - 150	
Methiocarb	0.000	0.276	0.337	0.400	19.9%	< 30	69.0%	84.2%	50 - 150	
Methomyl	0.000	0.769	0.785	0.800	2.1%	< 30	96.2%	98.2%	50 - 150	
MGK-264	0.000	0.153	0.148	0.400	2.8%	< 30	38.1%	37.1%	50 - 150	Q
Myclobutanil	0.003	0.291	0.329	0.400	12.4%	< 30	72.2%	81.7%	50 - 150	
Naled	0.000	0.734	0.786	1.000	6.8%	< 30	73.4%	78.6%	50 - 150	
Oxamyl	0.000	1.895	1.907	2.000	0.7%	< 30	94.7%	95.4%	50 - 150	
Paclobutrazole	0.000	0.600	0.648	0.800	7.6%	< 30	75.0%	81.0%	50 - 150	Q, R1
Parathion-Methyl	0.000	0.000	0.000	0.400	NA	< 30	0.0%	0.0%	30 - 150	
Permethrin	0.000	0.205	0.202	0.400	1.4%	< 30	51.3%	50.6%	50 - 150	
Phosmet	0.000	0.297	0.327	0.400	9.5%	< 30	74.3%	81.7%	50 - 150	
Piperonyl butoxide	0.000	1.809	1.756	2.000	3.0%	< 30	90.5%	87.8%	50 - 150	
Prallethrin	0.000	0.175	0.253	0.400	36.6%	< 30	43.7%	63.3%	50 - 150	R, Q
Propiconazole	0.000	0.214	0.252	0.800	16.4%	< 30	26.8%	31.5%	50 - 150	Q
Propoxur	0.000	0.346	0.363	0.400	4.9%	< 30	86.4%	90.8%	50 - 150	
Pyrethrin (Summe)	0.000	1.097	0.935	0.488	15.9%	< 30	224.8%	191.7%	50 - 150	Q
Pyridaben	0.004	0.288	0.311	0.400	7.9%	< 30	71.0%	76.8%	50 - 150	
Spirosad	0.000	0.367	0.378	0.388	3.0%	< 30	94.6%	97.5%	50 - 150	
Spiromesifen	0.000	0.342	0.362	0.400	5.8%	< 30	85.5%	90.6%	50 - 150	
Spirotetramat	0.000	0.433	0.464	0.400	6.9%	< 30	108.2%	115.9%	50 - 150	
Spiroxamine	0.003	0.679	0.718	0.800	5.5%	< 30	84.6%	89.4%	50 - 150	
Tebuconazole	0.000	0.176	0.213	0.800	19.1%	< 30	22.0%	26.7%	50 - 150	Q
Thiacloprid	0.000	0.346	0.385	0.400	10.8%	< 30	86.4%	96.2%	50 - 150	
Thiamethoxam	0.000	0.356	0.414	0.400	15.3%	< 30	88.9%	103.6%	50 - 150	
Trifloxystrobin	0.000	0.327	0.336	0.400	2.5%	< 30	81.8%	83.9%	50 - 150	



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Terpenes Quality Control Results

Method Reference: EPA5035				Batch ID: 2309938					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS% Rec	Limits	Notes
a-pinene	<LOQ	< 200		451	500	µg/g	90%	70 - 130	
Camphene	<LOQ	< 200		470	500	µg/g	94%	70 - 130	
Sabinene	<LOQ	< 200		447	500	µg/g	89%	70 - 130	
b-Pinene	<LOQ	< 200		441	500	µg/g	88%	70 - 130	
b-Myrcene	<LOQ	< 200		482	500	µg/g	96%	70 - 130	
a-phellandrene	<LOQ	< 200		476	500	µg/g	95%	70 - 130	
d-3-Carene	<LOQ	< 200		463	500	µg/g	93%	70 - 130	
a-Terpinene	<LOQ	< 200		465	500	µg/g	93%	70 - 130	
p-Cymene	<LOQ	< 200		463	500	µg/g	93%	70 - 130	
D-Limonene	<LOQ	< 200		462	500	µg/g	92%	70 - 130	
Eucalyptol	<LOQ	< 200		475	500	µg/g	95%	70 - 130	
b-cis-Cimene	<LOQ	< 67		150	167	µg/g	90%	70 - 130	
b-trans-Cimene	<LOQ	< 133		317	333	µg/g	95%	70 - 130	
g-Terpinene	<LOQ	< 200		469	500	µg/g	94%	70 - 130	
Sabinene Hydrate	<LOQ	< 200		479	500	µg/g	96%	70 - 130	
Terpinolene	<LOQ	< 200		467	500	µg/g	93%	70 - 130	
D-Fenchone	<LOQ	< 200		459	500	µg/g	92%	70 - 130	
Linalool	<LOQ	< 200		509	500	µg/g	102%	70 - 130	
Fenchol	<LOQ	< 200		467	500	µg/g	93%	70 - 130	
Camphor	<LOQ	< 200		470	500	µg/g	94%	70 - 130	
Isopulego	<LOQ	< 200		483	500	µg/g	97%	70 - 130	
Isoborneol	<LOQ	< 200		494	500	µg/g	99%	70 - 130	
Borneol	<LOQ	< 200		477	500	µg/g	95%	70 - 130	
DL-Menthol	<LOQ	< 200		482	500	µg/g	96%	70 - 130	
Terpineol	<LOQ	< 200		458	500	µg/g	92%	70 - 130	
Nerd	<LOQ	< 200		474	500	µg/g	95%	70 - 130	
Pulegone	<LOQ	< 200		481	500	µg/g	96%	70 - 130	
Geraniol	<LOQ	< 200		489	500	µg/g	98%	70 - 130	
Geranyl_Acdate	<LOQ	< 200		477	500	µg/g	95%	70 - 130	
a-Cedrene	<LOQ	< 200		464	500	µg/g	93%	70 - 130	
b-Caryophyllene	<LOQ	< 200		484	500	µg/g	97%	70 - 130	
a-Humulene	<LOQ	< 200		464	500	µg/g	93%	70 - 130	
Valene	<LOQ	< 200		465	500	µg/g	93%	70 - 130	
cis-Nerolidol	<LOQ	< 200		508	500	µg/g	102%	70 - 130	
a-Farnesene	<LOQ	< 200		514	500	µg/g	103%	70 - 130	
trans-Nerolidol	<LOQ	< 200		486	500	µg/g	97%	70 - 130	
Caryophyllene_Oxide	<LOQ	< 200		495	500	µg/g	99%	70 - 130	
Guaiol	<LOQ	< 200		469	500	µg/g	94%	70 - 130	
Cedrol	<LOQ	< 200		501	500	µg/g	100%	70 - 130	
a-Bisabolol	<LOQ	< 200		490	500	µg/g	98%	70 - 130	

Definitions

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



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Terpenes Quality Control Results

Method Reference: EPA5035		Batch ID: 2309938					
Sample/ Sample Duplicate		Sample ID: 23-009021-001					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	<LOQ	<LOQ	184	µg/g	0%	< 20	
Camphene	<LOQ	<LOQ	184	µg/g	0%	< 20	
Sabinene	<LOQ	<LOQ	184	µg/g	0%	< 20	
b-Pinene	<LOQ	<LOQ	184	µg/g	0%	< 20	
b-Myrcene	<LOQ	<LOQ	184	µg/g	0%	< 20	
a-phellandrene	<LOQ	<LOQ	184	µg/g	0%	< 20	
d-3-Carene	<LOQ	<LOQ	184	µg/g	0%	< 20	
a-Terpinene	<LOQ	<LOQ	184	µg/g	0%	< 20	
p-Cymene	<LOQ	<LOQ	184	µg/g	0%	< 20	
D-Limonene	986	966	184	µg/g	2%	< 20	
Eucalyptol	<LOQ	<LOQ	184	µg/g	0%	< 20	
b-cis-Cimene	<LOQ	<LOQ	612	µg/g	0%	< 20	
b-trans-Cimene	<LOQ	<LOQ	122	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	184	µg/g	0%	< 20	
Sabinene Hydrate	<LOQ	<LOQ	184	µg/g	0%	< 20	
Terpinolene	<LOQ	<LOQ	184	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	184	µg/g	0%	< 20	
Linalool	1250	1230	184	µg/g	2%	< 20	
Fenchol	470	464	184	µg/g	1%	< 20	
Camphor	<LOQ	<LOQ	184	µg/g	0%	< 20	
Isopulego	<LOQ	<LOQ	184	µg/g	0%	< 20	
Isoborneol	<LOQ	<LOQ	184	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	184	µg/g	0%	< 20	
DL-Menthhol	<LOQ	<LOQ	184	µg/g	0%	< 20	
Terpineol	400	389	184	µg/g	3%	< 20	
Nerd	<LOQ	<LOQ	184	µg/g	0%	< 20	
Pulegone	<LOQ	<LOQ	184	µg/g	0%	< 20	
Geraniol	<LOQ	<LOQ	184	µg/g	0%	< 20	
Geranyl Acetate	<LOQ	<LOQ	184	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	184	µg/g	0%	< 20	
b-Caryophyllene	4950	4880	184	µg/g	1%	< 20	
a-Humulene	2680	2650	184	µg/g	1%	< 20	
Valnene	231	227	184	µg/g	2%	< 20	
cis-Nerolidol	<LOQ	<LOQ	184	µg/g	0%	< 20	
a-Farnesene	3920	3930	184	µg/g	0%	< 20	
trans-Nerolidol	603	596	184	µg/g	1%	< 20	
Caryophyllene Oxide	6020	5900	184	µg/g	2%	< 20	
Guaiol	2130	2180	184	µg/g	2%	< 20	
Cedrol	<LOQ	<LOQ	184	µg/g	0%	< 20	
a-Bisabolol	6520	6440	184	µg/g	1%	< 20	

Definitions

RPD Relative Percent Difference



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 Portland, OR 97230
 503-254-1794

Report Number: 23-009021/D004.R000
 Report Date: 08/14/2023
 ORELAP#: OR100028
 Purchase Order: 2577335
 Received: 07/31/23 16:12



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

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2309948					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		540	584	µg/g	92.5	60 - 120	
Isobutane	ND	< 200		757	767	µg/g	98.7	60 - 120	
Butane	ND	< 200		739	782	µg/g	94.5	60 - 120	
2,2-Dimethylpropane	ND	< 200		889	939	µg/g	94.7	60 - 120	
Methanol	ND	< 200		1640	1670	µg/g	98.2	60 - 120	
Ethylene Oxide	ND	< 30		54.1	57.1	µg/g	94.7	60 - 120	
2-Methylbutane	ND	< 200		1570	1680	µg/g	93.5	60 - 120	
Pentane	ND	< 200		1570	1670	µg/g	94.0	60 - 120	
Ethanol	ND	< 200		1630	1660	µg/g	98.2	70 - 130	
Ethyl Ether	ND	< 200		1570	1670	µg/g	94.0	60 - 120	
2,2-Dimethylbutane	ND	< 30		180	189	µg/g	95.2	60 - 120	
Acetone	ND	< 200		1600	1670	µg/g	95.8	60 - 120	
2-Propanol	ND	< 200		1560	1630	µg/g	95.7	60 - 120	
Ethyl Formate	ND	< 500		1650	1600	µg/g	103.1	70 - 130	
Acetonitrile	ND	< 100		453	492	µg/g	92.1	60 - 120	
Methyl Acetate	ND	< 500		1630	1610	µg/g	101.2	70 - 130	
2,3-Dimethylbutane	ND	< 30		167	180	µg/g	92.8	60 - 120	
Dichloromethane	ND	< 60		461	488	µg/g	94.5	60 - 120	
2-Methylpentane	ND	< 30		157	182	µg/g	86.3	60 - 120	
MTBE	ND	< 500		1640	1610	µg/g	101.9	70 - 130	
3-Methylpentane	ND	< 30		172	177	µg/g	97.2	60 - 120	
Hexane	ND	< 30		164	177	µg/g	92.7	60 - 120	
1-Propanol	ND	< 500		1620	1600	µg/g	101.3	70 - 130	
Methylethylketone	ND	< 500		1630	1620	µg/g	100.6	70 - 130	
Ethyl acetate	ND	< 200		1490	1630	µg/g	91.4	60 - 120	
2-Butanol	ND	< 200		1500	1630	µg/g	92.0	60 - 120	
Tetrahydrofuran	ND	< 100		438	488	µg/g	89.8	60 - 120	
Cyclohexane	ND	< 200		1460	1610	µg/g	90.7	60 - 120	
2-methyl-1-propanol	ND	< 500		1630	1610	µg/g	101.2	70 - 130	
Benzene	ND	< 1		3.73	4.79	µg/g	77.9	60 - 120	
Isopropyl Acetate	ND	< 200		1490	1650	µg/g	90.3	60 - 120	
Heptane	ND	< 200		1460	1630	µg/g	89.6	60 - 120	
1-Butanol	ND	< 500		1670	1600	µg/g	104.4	70 - 130	
Propyl Acetate	ND	< 500		1660	1600	µg/g	103.8	70 - 130	
1,4-Dioxane	ND	< 100		453	523	µg/g	86.6	60 - 120	
2-Ethoxyethanol	ND	< 30		156	179	µg/g	87.2	60 - 120	
Methylisobutylketone	ND	< 500		1660	1600	µg/g	103.8	70 - 130	
3-Methyl-1-butanol	ND	< 500		1680	1610	µg/g	104.3	70 - 130	
Ethylene Glycol	ND	< 200		326	506	µg/g	64.4	60 - 120	
Toluene	ND	< 100		433	496	µg/g	87.3	60 - 120	
Isobutyl Acetate	ND	< 500		1650	1600	µg/g	103.1	70 - 130	
1-Pentanol	ND	< 500		1720	1600	µg/g	107.5	70 - 130	
Butyl Acetate	ND	< 500		1660	1600	µg/g	103.8	70 - 130	
Ethylbenzene	ND	< 200		796	978	µg/g	81.4	60 - 120	
m,p-Xylene	ND	< 200		795	994	µg/g	80.0	60 - 120	
o-Xylene	ND	< 200		778	982	µg/g	79.2	60 - 120	
Cumene	ND	< 30		125	171	µg/g	73.1	60 - 120	
Anisole	ND	< 500		1700	1610	µg/g	105.6	70 - 130	
DMSO	ND	< 500		1360	1610	µg/g	84.5	70 - 130	
1,2-dimethoxyethane	ND	< 50		162	164	µg/g	98.8	70 - 130	
Triethylamine	ND	< 500		1530	1600	µg/g	95.6	70 - 130	
N,N-dimethylformamide	ND	< 150		503	484	µg/g	103.9	70 - 130	
N,N-dimethylacetamide	ND	< 150		520	489	µg/g	106.3	70 - 130	
Pyridine	ND	< 50		167	172	µg/g	97.1	70 - 130	
Sulfolane	ND	< 50		189	163	µg/g	116.0	70 - 130	
1,2-Dichloroethane	ND	< 1		0.868	1	µg/g	86.8	70 - 130	
Chloroform	ND	< 1		0.947	1	µg/g	94.7	70 - 130	
Trichloroethylene	ND	< 1		0.96	1	µg/g	96.0	70 - 130	
1,1-Dichloroethane	ND	< 1		0.842	1	µg/g	84.2	70 - 130	



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Received: 07/31/23 16:12

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

QC - Sample Duplicate		Sample ID: 23-009021-0001						
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.