

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		



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

*Ethanol is a food additive used in some of our ingredients. The FDA has labeled ethanol as Generally Recognized as Safe (GRAS). Many foods contain trace amounts of ethanol, including soy sauce, pasta sauces, fruits and juices, etc. Our products contain safe levels of ethanol and always below pertinent regulatory action levels.



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



Report Number: 23-014785/D005.R000
Report Date: 01/08/2024
ORELAP#: OR100028
Purchase Order: 2774094
Received: 12/18/23 16:31

Customer: Etz Hayim Holdings
Product identity: FORM-CO.O.FS10-FL29
Client/Metric ID: .
Laboratory ID: 23-014785-0002

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g	0.903		mg/1g		CBD-Total per Serving Size 10.8 mg/1g
CBD per 1g	10.8		mg/1g		
CBDV per 1g	0.0914		mg/1g		THC-Total per Serving Size 0.358 mg/1g
CBE per 1g	0.170		mg/1g		(Reported in milligrams per serving)
CBG per 1g	0.389		mg/1g		
CBL per 1g	0.0601		mg/1g		
CBT per 1g	0.245		mg/1g		
Δ9-THC per 1g	0.358		mg/1g		

Residual Solvents:

All analytes passing and less than LOQ.

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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Received: 12/18/23 16:31

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

Product identity: FORM-CO.O.FS10-FL29

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-014785-0002

Evidence of Cooling: No

Temp: 19.2

Relinquished by: client

Serving Size #1: 1 g

Sample Results

Potency per 1g	Method: J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2313774	Analyze: 12/20/23 7:39:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	0.903		mg/1g	0.0321	
CBC-A per 1g	< LOQ		mg/1g	0.0321	
CBC-Total per 1g	0.903		mg/1g	0.0603	
CBD per 1g	10.8		mg/1g	0.321	
CBD-A per 1g ⁺	< LOQ		mg/1g	0.0321	
CBD-Total per 1g ⁺	10.8		mg/1g	0.350	
CBDV per 1g	0.0914		mg/1g	0.0321	
CBDV-A per 1g	< LOQ		mg/1g	0.0321	
CBDV-Total per 1g	0.0914		mg/1g	0.0600	
CBE per 1g	0.170		mg/1g	0.0321	
CBG per 1g	0.389		mg/1g	0.0321	
CBG-A per 1g	< LOQ		mg/1g	0.0321	
CBG-Total per 1g	0.389		mg/1g	0.0600	
CBL per 1g	0.0601		mg/1g	0.0321	
CBL-A per 1g	< LOQ		mg/1g	0.0321	
CBL-Total per 1g	< LOQ		mg/1g	0.0603	
CBN per 1g	< LOQ		mg/1g	0.0321	
CBT per 1g	0.245		mg/1g	0.0321	
Δ8-THCV per 1g	< LOQ		mg/1g	0.0321	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0321	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0321	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0643	
Δ8-THC per 1g ⁺	< LOQ		mg/1g	0.0321	
Δ9-THC per 1g ⁺	0.358		mg/1g	0.0321	
delta-9-THCP per 1g	< LOQ		mg/1g	0.0321	
exo-THC per 1g	< LOQ		mg/1g	0.0321	
THC-A per 1g ⁺	< LOQ		mg/1g	0.0321	
THC-Total per 1g	0.358		mg/1g	0.0603	
THCV per 1g	< LOQ		mg/1g	0.0321	
THCV-A per 1g	< LOQ		mg/1g	0.0321	



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Potency per 1g						
Analyte	Method: J AOAC 2015 V98-6 (mod)	Result	Limits	Units mg/se	Batch: 2313774	Analyze: 12/20/23 7:39:00 PM
THCV-Total per 1g		< LOQ		mg/1g		0.0604
Total Cannabinoids per 1g		13.0		mg/1g		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2313925	01/01/24 AOAC 991.14 (Petrifilm)		I
Total Coliforms	< LOQ		cfu/g	10	2313925	01/01/24 AOAC 991.14 (Petrifilm)		I
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2313926	01/02/24 AOAC 2014.05 (RAPID)		I
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2313926	01/02/24 AOAC 2014.05 (RAPID)		I

Solvents											
Method: Residual Solvents by GC/MS ^b						Units µg/g		Batch 2400154		Analyze 01/05/24 01:54 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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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod)						Units mg/kg		Batch 2400030		Analyze 01/02/24 11:21 AM	
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [‡]	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.200	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	
Bifenazate [‡]	< LOQ	0.20	0.100	pass		Bifenthrin [‡]	< LOQ	0.20	0.100	pass	
Boscalid [‡]	< LOQ	0.40	0.200	pass		Carbaryl [‡]	< LOQ	0.20	0.100	pass	
Carbofuran [‡]	< LOQ	0.20	0.100	pass		Chlorantraniliprole [‡]	< LOQ	0.20	0.100	pass	
Chlorfenapyr [‡]	< LOQ	1.0	0.500	pass		Chlorpyrifos [‡]	< LOQ	0.20	0.100	pass	
Clofentezine [‡]	< LOQ	0.20	0.100	pass		Cyfluthrin [‡]	< LOQ	1.0	0.500	pass	
Cypermethrin [‡]	< LOQ	1.0	0.500	pass		Daminozide [‡]	< LOQ	1.0	0.500	pass	
Diazinon [‡]	< LOQ	0.20	0.100	pass		Dichlorvos [‡]	< LOQ	1.0	0.500	pass	
Dimethoate [‡]	< LOQ	0.20	0.100	pass		Ethoprophos [‡]	< LOQ	0.20	0.100	pass	
Etofenprox [‡]	< LOQ	0.40	0.200	pass		Etoxazole [‡]	< LOQ	0.20	0.100	pass	
Fenoxycarb [‡]	< LOQ	0.20	0.100	pass		Fenpyroximate [‡]	< LOQ	0.40	0.200	pass	
Fipronil [‡]	< LOQ	0.40	0.200	pass		Flonicamid [‡]	< 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		Paclobotrazole [‡]	< 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							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method		Status	Notes	
Arsenic [‡]	< LOQ	0.200	mg/kg	0.0997	2400131	01/04/24	AOAC 2013.06 (mod.) ^p	pass		
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0997	2400131	01/04/24	AOAC 2013.06 (mod.) ^p	pass		
Lead [‡]	< LOQ	0.500	mg/kg	0.0997	2400131	01/04/24	AOAC 2013.06 (mod.) ^p	pass		
Mercury [‡]	< LOQ	0.100	mg/kg	0.0499	2400131	01/04/24	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

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

JAOAC2015 V986 Batch ID: 2313774

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0323	0.0322	%	100	80.0	- 120	Acceptable	
CBDV	2	0.0347	0.0349	%	99.4	80.0	- 120	Acceptable	
CBE	2	0.0348	0.0356	%	97.7	80.0	- 120	Acceptable	
CBDA	1	0.0309	0.0317	%	97.6	90.0	- 110	Acceptable	
CBGA	1	0.0308	0.0315	%	97.8	80.0	- 120	Acceptable	
CBG	1	0.0300	0.0309	%	97.3	80.0	- 120	Acceptable	
CBD	1	0.0329	0.0330	%	99.6	90.0	- 110	Acceptable	
THCV	2	0.0340	0.0342	%	99.4	80.0	- 120	Acceptable	
d8THCV	2	0.0275	0.0280	%	98.3	80.0	- 120	Acceptable	
THCVA	2	0.0316	0.0323	%	97.7	80.0	- 120	Acceptable	
CBN	1	0.0328	0.0330	%	99.2	80.0	- 120	Acceptable	
exo-THC	2	0.0309	0.0315	%	98.2	80.0	- 120	Acceptable	
d9THC	1	0.0331	0.0337	%	98.3	90.0	- 110	Acceptable	
d8THC	1	0.0339	0.0336	%	101	90.0	- 110	Acceptable	
9S-d10THC	1	0.0322	0.0326	%	98.8	80.0	- 120	Acceptable	
CBL	2	0.0321	0.0325	%	98.7	80.0	- 120	Acceptable	
9R-d10THC	1	0.0311	0.0318	%	97.9	80.0	- 120	Acceptable	
CB	2	0.0350	0.0354	%	98.7	80.0	- 120	Acceptable	
THCA	1	0.0318	0.0322	%	98.7	90.0	- 110	Acceptable	
CBCA	2	0.0333	0.0344	%	97.0	80.0	- 120	Acceptable	
CBLA	2	0.0330	0.0341	%	96.8	80.0	- 120	Acceptable	
d9THCP	2	0.0326	0.0332	%	98.4	80.0	- 120	Acceptable	
CBT	2	0.0342	0.0350	%	97.9	80.0	- 120	Acceptable	

Method Blank							
Analyte	Result	LOQ	Units	Limits		Evaluation	Notes
CBDVA	<LOQ	0.00322	%	< 0.00322		Acceptable	
CBDV	<LOQ	0.00322	%	< 0.00322		Acceptable	
CBE	<LOQ	0.00322	%	< 0.00322		Acceptable	
CBDA	<LOQ	0.00322	%	< 0.00322		Acceptable	
CBGA	<LOQ	0.00322	%	< 0.00322		Acceptable	
CBG	<LOQ	0.00322	%	< 0.00322		Acceptable	
CBD	<LOQ	0.00322	%	< 0.00322		Acceptable	
THCV	<LOQ	0.00322	%	< 0.00322		Acceptable	
d8THCV	<LOQ	0.00322	%	< 0.00322		Acceptable	
THCVA	<LOQ	0.00322	%	< 0.00322		Acceptable	
CBN	<LOQ	0.00322	%	< 0.00322		Acceptable	
exo-THC	<LOQ	0.00322	%	< 0.00322		Acceptable	
d9THC	<LOQ	0.00322	%	< 0.00322		Acceptable	
d8THC	<LOQ	0.00322	%	< 0.00322		Acceptable	
9S-d10THC	<LOQ	0.00322	%	< 0.00322		Acceptable	
CBL	<LOQ	0.00322	%	< 0.00322		Acceptable	
9R-d10THC	<LOQ	0.00322	%	< 0.00322		Acceptable	
CB	<LOQ	0.00322	%	< 0.00322		Acceptable	
THCA	<LOQ	0.00322	%	< 0.00322		Acceptable	
CBCA	<LOQ	0.00322	%	< 0.00322		Acceptable	
CBLA	<LOQ	0.00322	%	< 0.00322		Acceptable	
d9THCP	<LOQ	0.00322	%	< 0.00322		Acceptable	
CBT	<LOQ	0.00322	%	< 0.00322		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 Quality Control Results

JAOAC2015 V986		Batch ID: 2313774						
Sample Duplicate		Sample ID: 23-0147850002						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBDV	0.00926	0.00914	0.00309	%	1.29	< 20	Acceptable	
CBE	0.0173	0.0170	0.00309	%	1.55	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBG	0.0394	0.0389	0.00309	%	1.20	< 20	Acceptable	
CBD	1.10	1.08	0.00309	%	2.20	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
d9THC	0.0368	0.0358	0.00309	%	2.83	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBL	0.00576	0.00601	0.00309	%	4.18	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBC	0.0917	0.0903	0.00309	%	1.49	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBT	0.0248	0.0245	0.00309	%	1.19	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
 RPD - Relative Percent Difference
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Units of Measure:

% - Percent



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Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg			Batch ID 2400030			
Method Blank	Blank Result	Blank Limits	Notes	LCS Result	LCS Spk	LCS % Re	Limits	Notes
Abamectin	0.00	< 0.250		0.948	1.00	94.8	50.0	150
Acephate	0.056	< 0.200		0.780	0.80	97.5	60.0	120
Acetamiprid	0.00	< 1.000		2.992	4.00	74.8	40.0	160
Acetamiprid	0.00	< 0.100		0.393	0.40	98.3	60.0	120
Aldicarb	0.00	< 0.200		0.797	0.80	99.6	60.0	120
Azoxystrobin	0.00	< 0.100		0.395	0.40	98.6	60.0	120
Bifenazate	0.00	< 0.100		0.393	0.40	98.2	60.0	120
Bifenthrin	0.00	< 0.100		0.236	0.40	59.0	50.0	150
Boscalid	0.00	< 0.200		0.812	0.80	101.4	60.0	120
Carbaryl	0.00	< 0.100		0.391	0.40	97.8	60.0	120
Carbendazim	0.00	< 0.100		0.385	0.40	96.6	60.0	120
Chlorantraniliprole	0.00	< 0.100		0.369	0.40	92.3	60.0	120
Chlorfenapyr	0.00	< 0.500		1.952	2.00	97.6	60.0	120
Chlorpyrifos	0.00	< 0.100		0.390	0.40	97.5	60.0	120
Clofentezine	0.00	< 0.100		0.392	0.40	98.0	60.0	120
Cyfluthrin	0.00	< 0.500		1.929	2.00	96.4	50.0	150
Cypermethrin	0.00	< 0.500		1.939	2.00	97.0	50.0	150
Daminozide	0.00	< 0.500		0.680	2.00	34.0	60.0	120
Diuron	0.00	< 0.100		0.426	0.40	106.6	60.0	120
Dichlorvos	0.00	< 0.500		2.075	2.00	103.7	60.0	120
Dimethoate	0.00	< 0.100		0.394	0.40	98.5	60.0	120
Ethionphos	0.00	< 0.100		0.397	0.40	99.3	60.0	120
Etofenprox	0.032	< 0.200		0.533	0.80	66.6	50.0	150
Etoxazole	0.00	< 0.100		0.454	0.40	113.4	60.0	120
Fenoxycarb	0.00	< 0.100		0.394	0.40	98.4	60.0	120
Fenprophos	0.00	< 0.200		0.772	0.80	96.6	60.0	120
Fipronil	0.00	< 0.200		0.839	0.80	104.8	60.0	120
Fonicamid	0.00	< 0.250		0.920	1.00	92.0	60.0	120
Fludioxonil	0.00	< 0.200		0.770	0.80	96.3	50.0	150
Hexythiazox	0.00	< 0.250		0.971	1.00	97.1	60.0	120
Imazalil	0.00	< 0.100		0.399	0.40	99.7	60.0	120
Imidacloprid	0.00	< 0.200		0.800	0.80	100.1	60.0	120
Kiesoxim-methyl	0.00	< 0.200		0.791	0.80	98.9	60.0	120
Malathion	0.00	< 0.100		0.412	0.40	103.0	60.0	120
Metolaxyl	0.00	< 0.100		0.405	0.40	101.2	60.0	120
Methiocarb	0.00	< 0.100		0.395	0.40	98.7	60.0	120
Methomyl	0.00	< 0.200		0.819	0.80	102.3	60.0	120
MCK-264	0.00	< 0.100		0.411	0.40	102.9	50.0	150
Mydobutanol	0.00	< 0.100		0.384	0.40	95.9	60.0	120
Naled	0.00	< 0.250		1.003	1.00	100.3	50.0	150
Oxamyl	0.00	< 0.500		1.725	2.00	86.3	60.0	120
Padobutrazole	0.00	< 0.200		0.797	0.80	99.7	60.0	120
Parathion-Methyl	0.016	< 0.100		0.406	0.40	101.5	50.0	150
Permethrin	0.033	< 0.100		0.321	0.40	80.3	50.0	150
Phosmet	0.00	< 0.100		0.388	0.40	96.9	50.0	150
Piperonyl butoxide	0.00	< 0.500		2.225	2.00	111.2	60.0	120
Prallethrin	0.00	< 0.100		0.398	0.40	99.6	60.0	120
Propiconazole	0.00	< 0.200		0.784	0.80	98.0	60.0	120
Propoxur	0.00	< 0.100		0.388	0.40	97.0	60.0	120
Pyrethrin (Summe)	0.00	< 0.100		0.470	0.48	96.2	60.0	120
Pyridaben	0.00	< 0.100		0.383	0.40	95.8	50.0	150
Spinosad	0.00	< 0.100		0.382	0.38	98.4	50.0	150
Spiromesfen	0.00	< 0.100		0.403	0.40	100.9	60.0	120
Spirotetramat	0.00	< 0.100		0.377	0.40	94.3	60.0	120
Spiroxamine	0.00	< 0.200		0.818	0.80	102.3	60.0	120
Tebuconazole	0.00	< 0.200		0.803	0.80	100.3	60.0	120
Thiadoprid	0.00	< 0.100		0.392	0.40	98.1	60.0	120
Thiamethoxam	0.00	< 0.100		0.388	0.40	96.9	60.0	120
Trifloxystrobin	0.00	< 0.100		0.399	0.40	99.8	60.0	120

Q7



12423 NE Whitaker Way
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503-254-1794



Report Number: 23-014785/D005.R000
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Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg				Batch ID 2400030				
Matrix Spke/Matrix Spke Duplicate Recoveries	Result	MS Res	MSD Res	Spike	RFD%	Limit	MS% Re	MSD% Re	Limits	Notes
Abamectin	0.00	0.935	1.017	1.000	8.4%	< 30	93.9%	101.7%	50 - 150	
Acephate	0.052	0.836	0.937	0.800	12.2%	< 30	97.9%	110.6%	50 - 150	
Acetamiprid	0.00	3.839	4.039	4.000	5.1%	< 30	96.0%	101.0%	50 - 150	
Acetamiprid	0.00	0.383	0.401	0.400	4.6%	< 30	95.8%	100.3%	50 - 150	
Aldicarb	0.00	0.738	0.758	0.800	2.7%	< 30	92.2%	94.8%	50 - 150	
Azoxystrobin	0.00	0.380	0.381	0.400	0.4%	< 30	94.9%	95.3%	50 - 150	
Bifenazate	0.00	0.379	0.384	0.400	1.2%	< 30	94.8%	96.0%	50 - 150	
Bifenthrin	0.00	0.249	0.381	0.400	41.9%	< 30	62.3%	95.3%	50 - 150	R
Boscalid	0.00	0.734	0.703	0.800	4.2%	< 30	91.7%	87.9%	50 - 150	
Carbaryl	0.00	0.362	0.373	0.400	2.9%	< 30	90.8%	93.2%	50 - 150	
Carbendazim	0.00	0.372	0.385	0.400	3.4%	< 30	93.1%	96.4%	50 - 150	
Chlorantraniliprole	0.00	0.325	0.315	0.400	3.3%	< 30	81.4%	78.8%	50 - 150	
Chlorfenapyr	0.00	1.859	2.107	2.000	12.5%	< 30	92.9%	105.3%	50 - 150	
Chlorpyrifos	0.00	0.393	0.391	0.400	0.5%	< 30	98.1%	97.7%	50 - 150	
Clofentezine	0.00	0.359	0.351	0.400	2.2%	< 30	89.7%	87.8%	50 - 150	
Cyfluthrin	0.00	2.191	2.299	2.000	4.8%	< 30	109.5%	114.9%	30 - 150	
Cypermethrin	0.00	2.297	2.391	2.000	4.0%	< 30	114.8%	119.5%	50 - 150	
Daminozide	0.00	0.599	0.655	2.000	9.0%	< 30	29.9%	32.8%	30 - 150	Q
Diazinon	0.00	0.407	0.414	0.400	1.9%	< 30	101.7%	103.6%	50 - 150	
Dichlorvos	0.00	1.989	2.068	2.000	3.9%	< 30	99.9%	103.4%	50 - 150	
Dimethoate	0.00	0.362	0.372	0.400	2.7%	< 30	90.5%	93.0%	50 - 150	
Ethioniazox	0.00	0.385	0.394	0.400	2.1%	< 30	96.3%	98.4%	50 - 150	
Etofenprox	0.031	0.547	0.750	0.800	32.8%	< 30	64.8%	89.9%	50 - 150	R
Etofenprox	0.00	0.419	0.446	0.400	6.3%	< 30	104.7%	111.5%	50 - 150	
Fenoxycarb	0.00	0.393	0.387	0.400	1.4%	< 30	98.1%	96.8%	50 - 150	
Fenpyroximate	0.00	0.788	0.808	0.800	2.5%	< 30	98.8%	101.0%	50 - 150	
Fipronil	0.00	0.825	0.831	0.800	0.6%	< 30	103.3%	103.9%	50 - 150	
Fonicamid	0.00	0.999	0.993	1.000	0.7%	< 30	99.9%	99.3%	50 - 150	
Fludioxonil	0.00	0.749	0.802	0.800	6.9%	< 30	93.8%	100.3%	50 - 150	
Hexythiazox	0.00	1.559	1.527	1.000	2.0%	< 30	155.9%	152.7%	50 - 150	Q
Imazalil	0.010	0.361	0.384	0.400	6.3%	< 30	87.9%	93.8%	50 - 150	
Imidacloprid	0.00	0.735	0.790	0.800	7.1%	< 30	92.1%	98.8%	50 - 150	
Kiesoxim-methyl	0.00	0.759	0.755	0.800	0.6%	< 30	94.9%	94.3%	50 - 150	
Malathion	0.00	0.385	0.394	0.400	2.2%	< 30	96.4%	98.8%	50 - 150	
Metaxyl	0.00	0.362	0.384	0.400	6.0%	< 30	90.8%	96.1%	50 - 150	
Methiocarb	0.00	0.394	0.355	0.400	0.3%	< 30	98.8%	98.8%	50 - 150	
Methomyl	0.00	0.781	0.920	0.800	16.4%	< 30	97.8%	115.0%	50 - 150	
MCK-264	0.00	0.408	0.415	0.400	1.7%	< 30	101.9%	103.7%	50 - 150	
Mydobutani	0.00	0.361	0.401	0.400	10.8%	< 30	90.1%	100.2%	50 - 150	
Naled	0.00	0.935	0.975	1.000	4.2%	< 30	93.5%	97.5%	50 - 150	
Oxaryl	0.00	1.945	1.966	2.000	2.1%	< 30	97.3%	99.3%	50 - 150	
Padobutrazole	0.00	0.776	0.851	0.800	9.2%	< 30	97.0%	106.3%	50 - 150	
Parathion-Methyl	0.014	0.399	0.388	0.400	2.9%	< 30	96.3%	93.8%	30 - 150	
Permethrin	0.032	0.319	0.361	0.400	13.9%	< 30	71.8%	82.3%	50 - 150	
Phosmet	0.00	0.368	0.379	0.400	2.9%	< 30	92.0%	94.8%	50 - 150	
Piperonyl butoxide	0.00	2.125	2.157	2.000	1.5%	< 30	106.3%	107.9%	50 - 150	
Prallethrin	0.00	0.397	0.410	0.400	3.1%	< 30	99.3%	102.5%	50 - 150	
Propiconazole	0.00	0.785	0.793	0.800	1.0%	< 30	98.1%	99.1%	50 - 150	
Propoxur	0.00	0.379	0.385	0.400	1.8%	< 30	94.8%	96.5%	50 - 150	
Pyrethrin (Summe)	0.00	0.457	0.476	0.488	4.0%	< 30	93.8%	97.3%	50 - 150	
Pyridaben	0.00	0.435	0.458	0.400	5.1%	< 30	108.8%	114.5%	50 - 150	
Spinosad	0.00	0.368	0.374	0.388	1.5%	< 30	94.8%	96.3%	50 - 150	
Spiromesfen	0.00	0.392	0.414	0.400	5.4%	< 30	98.0%	103.5%	50 - 150	
Spirotetramat	0.00	0.383	0.369	0.400	3.6%	< 30	95.8%	92.3%	50 - 150	
Spiroxamine	0.00	0.755	0.814	0.800	7.4%	< 30	94.9%	101.8%	50 - 150	
Tebuconazole	0.00	0.823	0.785	0.800	4.5%	< 30	102.9%	98.3%	50 - 150	
Thiadoprid	0.00	0.357	0.379	0.400	5.9%	< 30	89.3%	94.7%	50 - 150	
Thiamethoxam	0.00	0.363	0.443	0.400	19.8%	< 30	90.9%	110.8%	50 - 150	
Trifloxystrobin	0.00	0.389	0.384	0.400	1.2%	< 30	97.2%	96.0%	50 - 150	



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503-254-1794



Report Number: 23-014785/D005.R000
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Revision: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2400154					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		567	584	µg/g	97.1	60 - 120	
Isobutane	ND	< 200		715	767	µg/g	93.2	60 - 120	
Butane	ND	< 200		663	782	µg/g	84.8	60 - 120	
2,2-Dimethylpropane	ND	< 200		910	939	µg/g	96.9	60 - 120	
Methanol	ND	< 200		1710	1600	µg/g	106.9	60 - 120	
Ethylene Oxide	ND	< 30		53	57.1	µg/g	92.8	60 - 120	
2-Methylbutane	ND	< 200		1670	1600	µg/g	104.4	60 - 120	
Pentane	ND	< 200		1650	1600	µg/g	103.1	60 - 120	
Ethanol	ND	< 200		1580	1600	µg/g	98.8	70 - 130	
Ethyl Ether	ND	< 200		1660	1600	µg/g	103.8	60 - 120	
2,2-Dimethylbutane	ND	< 30		166	161	µg/g	103.1	60 - 120	
Acetone	ND	< 200		1680	1600	µg/g	105.0	60 - 120	
2-Propanol	ND	< 200		1720	1600	µg/g	107.5	60 - 120	
Acetonitrile	ND	< 100		502	488	µg/g	102.9	60 - 120	
2,3-Dimethylbutane	ND	< 30		166	163	µg/g	101.8	60 - 120	
Dichloromethane	ND	< 60		502	488	µg/g	102.9	60 - 120	
2-Methylpentane	ND	< 30		167	161	µg/g	103.7	60 - 120	
3-Methylpentane	ND	< 30		167	162	µg/g	103.1	60 - 120	
Hexane	ND	< 30		145	161	µg/g	90.1	60 - 120	
Ethyl acetate	ND	< 200		1700	1610	µg/g	105.6	60 - 120	
2-Butanol	ND	< 200		1710	1610	µg/g	106.2	60 - 120	
Tetrahydrofuran	ND	< 100		499	483	µg/g	103.3	60 - 120	
Cyclohexane	ND	< 200		1650	1600	µg/g	103.1	60 - 120	
Benzene	ND	< 1		3.23	4.99	µg/g	64.7	60 - 120	
Isopropyl Acetate	ND	< 200		1680	1600	µg/g	105.0	60 - 120	
Heptane	ND	< 200		1690	1600	µg/g	105.6	60 - 120	
1,4-Dioxane	ND	< 100		498	480	µg/g	103.8	60 - 120	
2-Ethoxyethanol	ND	< 30		152	161	µg/g	94.4	60 - 120	
Ethylene Glycol	ND	< 200		305	481	µg/g	63.4	60 - 120	
Toluene	ND	< 100		510	483	µg/g	105.6	60 - 120	
Ethylbenzene	ND	< 200		1050	962	µg/g	109.1	60 - 120	
m,p-Xylene	ND	< 200		1020	972	µg/g	104.9	60 - 120	
o-Xylene	ND	< 200		1050	965	µg/g	108.8	60 - 120	
Cumene	ND	< 30		176	169	µg/g	104.1	60 - 120	

QC- Sample Duplicate

Sample ID: 23-014759-0001



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

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	
Acetonitrile	ND	ND	100 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	
3-Methylpentane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30 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	
Benzene	ND	ND	11 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	
1,4-Dioxane	ND	ND	100 µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30 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	
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	

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.