

CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU TN.O.CBGCBD.FS50	BATCH # FC02(A)	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 CBG/CBD Oil Tincture	SERVING SIZE 1 mL	
LABORATORY: Columbia Laboratories	OREGON ACCREDITATION: OR100028	

POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	28.39 mg/serving	30.40 mg/g	3.04 %
Total THC (d9-THC, THCA)	1.23 mg/serving	1.32 mg/g	0.13 %
Cannabigerol (CBG)	28.21 mg/serving	30.20 mg/g	3.02 %
Cannabinol (CBN)	0.08 mg/serving	0.09 mg/g	0.01 %
Cannabichromene (CBC)	2.44 mg/serving	2.61 mg/g	0.26 %
Tetrahydrocannabinolic Acid (THCA)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Delta-9-THC (d9-THC)	1.23 mg/serving	1.32 mg/g	0.13 %
Delta-8-THC (d8-THC)	<LOQ mg/serving	<LOQ mg/g	<LOQ %

HEAVY METALS	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Arsenic	<LOQ µg/serving	<LOQ µg/g	10 µg/day ^[1]
Cadmium	<LOQ µg/serving	<LOQ µg/g	4.1 µg/day ^[1]
Lead	<LOQ µg/serving	<LOQ µg/g	6 µg/day ^[1]
Mercury	<LOQ µg/serving	<LOQ 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	<LOQ µg/g	50,000 mg/day
Heptane	<LOQ µg/g	50,000 mg/day
None of the 34 residual solvents tested found above limit of quantitation in the sample.		

MICROBIAL	PASS/FAIL
Yeast & Mold	Pass
Coliform	Pass



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



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



Report Number: 23-003420/D011.R000
Report Date: 04/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 03/23/23 15:57

Customer: Etz Hayim Holdings
Product identity: FORM-TN.O.CBGCBD.FS50-FC02(A)
Client/Metric ID: .
Laboratory ID: 23-003420-0006

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g	2.61		mg/1g		CBD-Total per Serving Size 30.4 mg/1g
CBD per 1g	30.4		mg/1g		
CBDV per 1g	0.467		mg/1g		THC-Total per Serving Size 1.32 mg/1g
CBE per 1g	0.343		mg/1g		(Reported in milligrams per serving)
CBG per 1g	30.2		mg/1g		
CBL per 1g	0.160		mg/1g		
CBN per 1g	0.0860		mg/1g		
CBT per 1g	0.936		mg/1g		
Δ9-THC per 1g	1.32		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.



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Purchase Order:
Received: 03/23/23 15:57

Customer: Etz Hayim Holdings
 16427 NE Airport Way
 PORTLAND 97230
 United States of America (USA)
Product identity: FORM-TN.O.CBGCBD.FS50-FC02(A)
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-003420-0006
Evidence of Cooling: No
Temp: 20.4
Relinquished by: courier
Serving Size #1: 1 g

Sample Results

Potency per 1g					
Method: J AOAC 2015 V98-6 (mod) ^b		Units mg/se		Batch: 2305684	
				Analyze: 3/24/23 10:47:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	2.61		mg/1g	0.0317	
CBC-A per 1g	< LOQ		mg/1g	0.0317	
CBC-Total per 1g	2.61		mg/1g	0.0595	
CBD per 1g	30.4		mg/1g	0.317	
CBD-A per 1g	< LOQ		mg/1g	0.0317	
CBD-Total per 1g	30.4		mg/1g	0.345	
CBDV per 1g	0.467		mg/1g	0.0317	
CBDV-A per 1g	< LOQ		mg/1g	0.0317	
CBDV-Total per 1g	0.467		mg/1g	0.0592	
CBE per 1g	0.343		mg/1g	0.0317	
CBG per 1g	30.2		mg/1g	0.317	
CBG-A per 1g	< LOQ		mg/1g	0.0317	
CBG-Total per 1g	30.2		mg/1g	0.345	
CBL per 1g	0.160		mg/1g	0.0317	
CBL-A per 1g	< LOQ		mg/1g	0.0317	
CBL-Total per 1g	0.160		mg/1g	0.0595	
CBN per 1g	0.0860		mg/1g	0.0317	
CBT per 1g	0.936		mg/1g	0.0317	
Δ8-THCV per 1g	< LOQ		mg/1g	0.0317	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0317	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0317	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0634	
Δ8-THC per 1g	< LOQ		mg/1g	0.0317	
Δ9-THC per 1g	1.32		mg/1g	0.0317	
exo-THC per 1g	< LOQ		mg/1g	0.0317	
THC-A per 1g	< LOQ		mg/1g	0.0317	
THC-Total per 1g	1.32		mg/1g	0.0595	
THCV per 1g	< LOQ		mg/1g	0.0317	
THCV-A per 1g	< LOQ		mg/1g	0.0317	
THCV-Total per 1g	< LOQ		mg/1g	0.0596	



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Report Number: 23-003420/D011.R000
Report Date: 04/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 03/23/23 15:57

Potency per 1g **Method:** J AOAC 2015 V98-6 (mod)^b **Units** mg/se **Batch:** 2305684 **Analyze:** 3/24/23 10:47:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
Total Cannabinoids per 1g	66.5		mg/1g		

Solvents **Method:** Residual Solvents by GC/MS^b **Units** µg/g **Batch** 2306555 **Analyze** 04/20/23 10:34 AM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethyl butane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200		
2,3-Dimethyl butane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethanol	< 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							



Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) ^b						Units mg/kg		Batch 2306597		Analyze 04/21/23 12:33 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		Acetamidiprid [‡]	< 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		Pacllobutrazole [‡]	< 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	0.0885	2306543	04/19/23	AOAC 2013.06 (mod.) ^b	pass		
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0885	2306543	04/19/23	AOAC 2013.06 (mod.) ^b	pass		
Lead [‡]	< LOQ	0.500	mg/kg	0.0885	2306543	04/19/23	AOAC 2013.06 (mod.) ^b	pass		
Mercury [‡]	< LOQ	0.100	mg/kg	0.0443	2306543	04/19/23	AOAC 2013.06 (mod.) ^b	pass		



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503-254-1794



Report Number: 23-003420/D011.R000
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Received: 03/23/23 15:57

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.

^p = 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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 503-254-1794



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Revision 1 Documen D 7148
 Legacy D Workshee Valida ed 04/20/2021

Laboratory Quality Control Results

JAOAC2015 V98-6 Batch ID: 2305684

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0325	0.033	%	97.5	80.0	- 120	Acceptable	
CBDV	2	0.0349	0.033	%	105	80.0	- 120	Acceptable	
CBE	2	0.0330	0.033	%	98.9	80.0	- 120	Acceptable	
CBD A	1	0.0301	0.031	%	97.4	90.0	- 110	Acceptable	
CBG A	1	0.0253	0.026	%	98.3	80.0	- 120	Acceptable	
CBC	1	0.0308	0.031	%	99.1	80.0	- 120	Acceptable	
CBD	1	0.0267	0.027	%	97.4	90.0	- 110	Acceptable	
THCV	2	0.0332	0.033	%	99.6	80.0	- 120	Acceptable	
δ8THCV	2	0.0336	0.033	%	101	80.0	- 120	Acceptable	
THCV A	2	0.0338	0.033	%	102	80.0	- 120	Acceptable	
CBN	1	0.0267	0.027	%	99.1	80.0	- 120	Acceptable	
exo-THC	2	0.0318	0.033	%	95.3	80.0	- 120	Acceptable	
δ9THC	1	0.0302	0.031	%	97.0	90.0	- 110	Acceptable	
δ8THC	1	0.0311	0.031	%	99.5	90.0	- 110	Acceptable	
9S-THC	1	0.0307	0.031	%	97.7	80.0	- 120	Acceptable	
CBL	2	0.0325	0.033	%	97.5	80.0	- 120	Acceptable	
9R-THC	1	0.0299	0.032	%	93.6	80.0	- 120	Acceptable	
CBC	2	0.0339	0.033	%	102	80.0	- 120	Acceptable	
THCA	1	0.0357	0.036	%	99.3	90.0	- 110	Acceptable	
CBCA	2	0.0337	0.033	%	101	80.0	- 120	Acceptable	
CBLA	2	0.0322	0.033	%	96.6	80.0	- 120	Acceptable	
CBT	2	0.0333	0.033	%	100	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBE	<LOQ	0.003	%	< 0.003	Acceptable	
CBD A	<LOQ	0.003	%	< 0.003	Acceptable	
CBG A	<LOQ	0.003	%	< 0.003	Acceptable	
CBC	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
δ8THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCV A	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	<LOQ	0.003	%	< 0.003	Acceptable	
δ9THC	<LOQ	0.003	%	< 0.003	Acceptable	
δ8THC	<LOQ	0.003	%	< 0.003	Acceptable	
9S-THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
9R-THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBC	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBLA	<LOQ	0.003	%	< 0.003	Acceptable	
CBT	<LOQ	0.003	%	< 0.003	Acceptable	

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

Units of Measure:
 %- Percent



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

Laboratory Quality Control Results

JAOAC2015 V98-6		Batch ID: 2305684						
Sample Duplicate		Sample ID: 22-011341-0003						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0046	0.0045	0.003	%	2.18	< 20	Acceptable	
CBE	0.0109	0.0108	0.003	%	1.58	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD ^A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD ^B	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD ^C	0.0168	0.0167	0.003	%	0.556	< 20	Acceptable	
CBD	1.76	1.71	0.003	%	2.61	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
Δ8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCV ^A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
Δ9THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
Δ8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9S-Δ10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9R-Δ10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.003	%	NA	< 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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Revision: 2 Document ID: 7087
 Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents				Batch D: 2306555					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		458	584	µg/g	78.4	60 - 120	
Isobutane	ND	< 200		553	767	µg/g	72.1	60 - 120	
Butane	ND	< 200		598	782	µg/g	76.5	60 - 120	
2,2-Dimethylpropane	ND	< 200		762	939	µg/g	81.2	60 - 120	
Methanol	ND	< 200		1520	1610	µg/g	94.4	60 - 120	
Ethylene Oxide	ND	< 30		46.9	57.1	µg/g	82.1	60 - 120	
2-Methylbutane	ND	< 200		1540	1600	µg/g	96.3	60 - 120	
Pentane	ND	< 200		1580	1610	µg/g	98.1	60 - 120	
Ethanol	ND	< 200		1520	1600	µg/g	95.0	70 - 130	
Ethyl Ether	ND	< 200		1560	1610	µg/g	96.9	60 - 120	
2,2-Dimethylbutane	ND	< 30		168	173	µg/g	97.1	60 - 120	
Acetone	ND	< 200		1550	1620	µg/g	95.7	60 - 120	
2-Propanol	ND	< 200		1520	1600	µg/g	95.0	60 - 120	
Ethyl Formate	ND	< 500		1690	1610	µg/g	105.0	70 - 130	
Acetonitrile	ND	< 100		440	488	µg/g	90.2	60 - 120	
Methyl Acetate	ND	< 500		1420	1610	µg/g	88.2	70 - 130	
2,3-Dimethylbutane	ND	< 30		163	165	µg/g	98.8	60 - 120	
Dichloromethane	ND	< 60		462	487	µg/g	94.9	60 - 120	
2-Methylpentane	ND	< 30		146	160	µg/g	91.3	60 - 120	
MTBE	ND	< 500		1460	1600	µg/g	91.3	70 - 130	
3-Methylpentane	ND	< 30		154	161	µg/g	95.7	60 - 120	
Hexane	ND	< 30		151	162	µg/g	93.2	60 - 120	
1-Propanol	ND	< 500		1470	1620	µg/g	90.7	70 - 130	
Methylethylketone	ND	< 500		1430	1610	µg/g	88.8	70 - 130	
Ethyl acetate	ND	< 200		1470	1600	µg/g	91.9	60 - 120	
2-Butanol	ND	< 200		1470	1610	µg/g	91.3	60 - 120	
Tetrahydrofuran	ND	< 100		427	483	µg/g	88.4	60 - 120	
Cyclohexane	ND	< 200		1480	1610	µg/g	91.9	60 - 120	
2-methyl-1-propanol	ND	< 500		1340	1630	µg/g	82.2	70 - 130	
Benzene	ND	< 1		4.44	4.98	µg/g	89.2	60 - 120	
Isopropyl Acetate	ND	< 200		1490	1610	µg/g	92.5	60 - 120	
Heptane	ND	< 200		1470	1620	µg/g	90.7	60 - 120	
1-Butanol	ND	< 500		1380	1600	µg/g	86.3	70 - 130	
Propyl Acetate	ND	< 500		1370	1620	µg/g	84.6	70 - 130	
1,4-Dioxane	ND	< 100		425	494	µg/g	86.0	60 - 120	
2-Ethoxyethanol	ND	< 30		145	165	µg/g	87.9	60 - 120	
Methylisobutylketone	ND	< 500		1380	1610	µg/g	85.7	70 - 130	
3-Methyl-1-butanol	ND	< 500		1380	1610	µg/g	85.7	70 - 130	
Ethylene Glycol	ND	< 200		392	488	µg/g	80.7	60 - 120	
Toluene	ND	< 100		416	513	µg/g	81.1	60 - 120	
Isobutyl Acetate	ND	< 500		1340	1600	µg/g	83.8	70 - 130	
1-Pentanol	ND	< 500		1300	1610	µg/g	80.7	70 - 130	
Butyl Acetate	ND	< 500		1310	1610	µg/g	81.4	70 - 130	
Ethylbenzene	ND	< 200		793	967	µg/g	82.0	60 - 120	
m,p-Xylene	ND	< 200		807	994	µg/g	81.2	60 - 120	
o-Xylene	ND	< 200		800	992	µg/g	80.6	60 - 120	
Cumene	ND	< 30		139	171	µg/g	81.3	60 - 120	
Anisole	ND	< 500		1170	1610	µg/g	72.7	70 - 130	
DMSO	ND	< 500		1130	1610	µg/g	70.2	70 - 130	
1,2-dimethoxyethane	ND	< 50		147	172	µg/g	85.5	70 - 130	
Triethylamine	ND	< 500		1420	1620	µg/g	87.7	70 - 130	
N,N-dimethylformamide	ND	< 150		381	499	µg/g	76.4	70 - 130	
N,N-dimethylacetamide	ND	< 150		371	491	µg/g	75.6	70 - 130	
Pyridine	ND	< 50		134	171	µg/g	78.4	70 - 130	
Silfolane	ND	< 50		123	160	µg/g	76.9	70 - 130	
1,2-Dichloroethane	ND	< 1		0.821	1	µg/g	82.1	70 - 130	
Chloroform	ND	< 1		0.863	1	µg/g	86.3	70 - 130	
Trichloroethylene	ND	< 1		0.931	1	µg/g	93.1	70 - 130	
1,1-Dichloroethane	ND	< 1		0.806	1	µg/g	80.6	70 - 130	



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Report Number: 23-003420/D011.R000
Report Date: 04/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 03/23/23 15:57

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

QC- Sample Duplicate		Sample ID: 23-003420-0001						
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		
Methylethylketone	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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Report Number: 23-003420/D011.R000
Report Date: 04/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 03/23/23 15:57

Revision: 3 Document ID: 3120
 LegacyID: CFLC21WorksheetValidated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg			Batch ID 2306597			
Method Blank	Laboratory Control Sample							
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spk	LCS % Re	Limits	Notes
Abamectin	0.00	< 0.250		1.094	1.000	109.4	50.0	150
Acephate	0.00	< 0.200		0.800	0.800	100.0	60.0	120
Acetamiprid	0.00	< 1.000		3.545	4.000	88.6	40.0	160
Acetamiprid	0.00	< 0.100		0.433	0.400	108.3	60.0	120
Aldicarb	0.00	< 0.200		0.844	0.800	105.5	60.0	120
Azoxystrobin	0.00	< 0.100		0.429	0.400	107.3	60.0	120
Bifenazate	0.00	< 0.100		0.490	0.400	122.5	60.0	120
Bifenthrin	0.00	< 0.100		0.396	0.400	99.1	50.0	150
Boscalid	0.00	< 0.200		0.920	0.800	115.0	60.0	120
Carbaryl	0.00	< 0.100		0.420	0.400	104.9	60.0	120
Carbendazim	0.00	< 0.100		0.431	0.400	107.9	60.0	120
Chlorantraniliprole	0.00	< 0.100		0.419	0.400	104.7	60.0	120
Chlorfenapyr	0.00	< 0.500		2.346	2.000	117.3	60.0	120
Chlorpyrifos	0.00	< 0.100		0.403	0.400	100.7	60.0	120
Clofentezine	0.00	< 0.100		0.422	0.400	105.4	60.0	120
Cyfluthrin	0.00	< 0.500		2.172	2.000	108.6	50.0	150
Cypermethrin	0.00	< 0.500		2.093	2.000	104.7	50.0	150
Daminozide	0.215	< 0.500		2.409	2.000	120.5	60.0	120
Diazinon	0.00	< 0.100		0.467	0.400	116.8	60.0	120
Dichlorvos	0.00	< 0.500		2.060	2.000	103.0	60.0	120
Dimethoate	0.00	< 0.100		0.414	0.400	103.6	60.0	120
Ethionphos	0.00	< 0.100		0.427	0.400	106.7	60.0	120
Etofenprox	0.00	< 0.200		0.822	0.800	102.8	50.0	150
Etoxazole	0.00	< 0.100		0.426	0.400	106.4	60.0	120
Fenoxycarb	0.00	< 0.100		0.421	0.400	105.3	60.0	120
Fenpyroximate	0.00	< 0.200		0.904	0.800	113.1	60.0	120
Fipronil	0.00	< 0.200		0.822	0.800	102.7	60.0	120
Fonicamid	0.00	< 0.250		1.019	1.000	101.9	60.0	120
Fludioxonil	0.00	< 0.200		0.906	0.800	113.2	50.0	150
Hexythiazox	0.00	< 0.250		1.037	1.000	103.7	60.0	120
Imazalil	0.00	< 0.100		0.426	0.400	106.5	60.0	120
Imidacloprid	0.00	< 0.200		0.839	0.800	104.9	60.0	120
Kiesoxim-methyl	0.00	< 0.200		0.857	0.800	107.1	60.0	120
Malathion	0.00	< 0.100		0.430	0.400	107.4	60.0	120
Metaxyl	0.00	< 0.100		0.442	0.400	110.5	60.0	120
Methiocarb	0.00	< 0.100		0.421	0.400	105.3	60.0	120
Methomyl	0.00	< 0.200		0.849	0.800	106.1	60.0	120
MCK-264	0.00	< 0.100		0.433	0.400	108.3	50.0	150
Mydobutanol	0.00	< 0.100		0.443	0.400	110.8	60.0	120
Naled	0.00	< 0.250		1.021	1.000	102.1	50.0	150
Oxamyl	0.00	< 0.500		2.166	2.000	108.3	60.0	120
Padobutrazole	0.00	< 0.200		0.898	0.800	112.2	60.0	120
Parathion-Methyl	0.00	< 0.100		0.508	0.400	126.9	50.0	150
Permethrin	0.002	< 0.100		0.424	0.400	106.0	50.0	150
Phosmet	0.00	< 0.100		0.416	0.400	104.1	50.0	150
Piperonyl butoxide	0.00	< 0.500		2.250	2.000	112.5	60.0	120
Prallethrin	0.00	< 0.100		0.418	0.400	104.4	60.0	120
Propiconazole	0.00	< 0.200		0.863	0.800	107.9	60.0	120
Propoxur	0.00	< 0.100		0.426	0.400	106.9	60.0	120
Pyrethrin (Summe)	0.00	< 0.100		0.522	0.488	106.9	60.0	120
Pyridaben	0.00	< 0.100		0.419	0.400	104.8	50.0	150
Spinosad	0.00	< 0.100		0.413	0.388	106.6	50.0	150
Spiromesfen	0.00	< 0.100		0.446	0.400	111.1	60.0	120
Spirotetramat	0.00	< 0.100		0.435	0.400	108.7	60.0	120
Spiroxamine	0.00	< 0.200		0.864	0.800	107.9	60.0	120
Tebuconazole	0.00	< 0.200		0.900	0.800	112.5	60.0	120
Thiadoprid	0.00	< 0.100		0.425	0.400	106.2	60.0	120
Thiamethoxam	0.00	< 0.100		0.437	0.400	109.2	60.0	120
Trifloxystrobin	0.00	< 0.100		0.427	0.400	106.9	60.0	120



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ORELAP#: OR100028
Purchase Order:
Received: 03/23/23 15:57

Revision: 3 Document ID: 3120
LegacyID: CFLC21WorksheetValidated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg				Batch ID 2306597				
Matrix Spke/Matrix Spke Duplicate Recoveries	Result	MS Res	MSD Res	Spike	RFD%	Limit	MS% Re	MSD % Re	Limits	Notes
Abamectin	0.00	0.968	1.049	1.00	8.0%	< 30	96.8%	104.9%	50 - 150	
Acaphate	0.00	0.730	0.740	0.800	1.3%	< 30	91.3%	92.5%	50 - 150	
Acetaminophen	0.00	2.682	3.218	4.00	18.1%	< 30	67.1%	80.4%	50 - 150	
Acetamiprid	0.00	0.379	0.398	0.400	4.8%	< 30	94.7%	99.4%	50 - 150	
Aldicarb	0.00	0.759	0.864	0.800	12.9%	< 30	94.9%	108.0%	50 - 150	
Azoxystrobin	0.00	0.338	0.367	0.400	8.4%	< 30	84.0%	91.4%	50 - 150	
Bifenazate	0.106	0.491	0.560	0.400	16.9%	< 30	96.3%	113.6%	50 - 150	
Bifenthrin	0.00	0.214	0.251	0.400	16.0%	< 30	53.8%	62.8%	50 - 150	
Boscalid	0.746	1.234	1.400	0.800	29.0%	< 30	61.1%	81.9%	50 - 150	
Carbaryl	0.00	0.313	0.331	0.400	5.7%	< 30	78.2%	82.8%	50 - 150	
Carbofuran	0.00	0.350	0.380	0.400	8.0%	< 30	87.8%	94.9%	50 - 150	
Chlorantraniliprole	0.00	0.374	0.401	0.400	7.0%	< 30	93.8%	100.4%	50 - 150	
Chlorfenapyr	0.00	1.788	1.671	2.00	6.8%	< 30	89.4%	83.5%	50 - 150	
Chlorpyrifos	0.062	0.453	0.409	0.400	12.1%	< 30	97.9%	86.7%	50 - 150	
Clofentezine	0.011	0.225	0.265	0.400	17.0%	< 30	53.8%	63.8%	50 - 150	
Cyfluthrin	0.00	1.153	1.215	2.00	5.2%	< 30	57.8%	60.7%	30 - 150	
Cypermethrin	0.00	0.992	1.010	2.00	1.8%	< 30	49.8%	50.5%	50 - 150	Q
Daminozide	0.316	2.415	2.869	2.00	19.6%	< 30	104.9%	127.7%	30 - 150	
Diazinon	0.00	0.162	0.193	0.400	17.0%	< 30	40.4%	48.3%	50 - 150	Q
Dichlorvos	0.00	1.691	1.700	2.00	0.5%	< 30	84.8%	85.0%	50 - 150	
Dimethoate	0.00	0.355	0.366	0.400	3.0%	< 30	88.8%	91.9%	50 - 150	
Ethionphos	0.003	0.348	0.364	0.400	6.0%	< 30	85.1%	90.3%	50 - 150	
Etofenprox	0.036	0.500	0.560	0.800	12.2%	< 30	58.0%	65.5%	50 - 150	
Etoxazole	0.00	0.330	0.363	0.400	9.5%	< 30	82.4%	90.7%	50 - 150	
Fenoxycarb	0.00	0.305	0.377	0.400	21.1%	< 30	76.2%	94.1%	50 - 150	
Fenpyroximate	0.00	0.209	0.259	0.800	21.3%	< 30	26.1%	32.4%	50 - 150	Q
Fipronil	0.00	0.448	0.494	0.800	9.8%	< 30	56.0%	61.7%	50 - 150	
Fonicamid	0.00	0.923	0.955	1.00	3.4%	< 30	92.3%	95.5%	50 - 150	
Fludioxonil	0.00	1.308	1.184	0.800	10.0%	< 30	163.5%	148.0%	50 - 150	Q
Hexythiazox	0.00	0.814	0.904	1.00	10.8%	< 30	81.4%	90.4%	50 - 150	
Imazalil	0.00	0.356	0.399	0.400	11.4%	< 30	89.1%	99.9%	50 - 150	
Imidacloprid	0.00	0.718	0.744	0.800	3.6%	< 30	89.7%	93.0%	50 - 150	
Kiesoxim-methyl	0.00	0.561	0.663	0.800	16.7%	< 30	70.1%	82.9%	50 - 150	
Malathion	0.00	0.309	0.367	0.400	16.9%	< 30	77.4%	91.7%	50 - 150	
Metolaxyl	0.00	0.351	0.436	0.400	21.8%	< 30	87.9%	109.1%	50 - 150	
Methiocarb	0.00	0.322	0.387	0.400	18.1%	< 30	80.8%	96.7%	50 - 150	
Methomyl	0.00	0.771	0.856	0.800	10.3%	< 30	96.3%	106.8%	50 - 150	
MCK-264	0.00	0.196	0.242	0.400	21.2%	< 30	48.9%	60.5%	50 - 150	Q
Mydobutani	0.046	0.315	0.343	0.400	9.7%	< 30	67.4%	74.2%	50 - 150	
Naled	0.00	0.764	0.836	1.00	9.1%	< 30	76.4%	83.6%	50 - 150	
Oxaryl	0.00	1.904	1.986	2.00	4.2%	< 30	95.2%	99.3%	50 - 150	
Padobutrazole	0.003	0.659	0.751	0.800	13.1%	< 30	82.0%	93.5%	50 - 150	
Parathion-Methyl	0.00	0.257	0.358	0.400	32.8%	< 30	64.3%	89.5%	30 - 150	R
Permethrin	0.011	0.281	0.309	0.400	9.8%	< 30	67.7%	74.7%	50 - 150	
Phosmet	0.002	0.327	0.406	0.400	21.8%	< 30	81.4%	101.0%	50 - 150	
Piperonyl butoxide	0.00	1.911	2.179	2.00	13.1%	< 30	95.8%	109.0%	50 - 150	
Prallethrin	0.00	0.222	0.276	0.400	21.5%	< 30	55.8%	69.0%	50 - 150	
Propiconazole	0.099	0.655	0.788	0.800	21.1%	< 30	69.7%	86.1%	50 - 150	
Propoxur	0.007	0.353	0.373	0.400	5.8%	< 30	86.3%	91.5%	50 - 150	
Pyrethrin (Summe)	0.106	0.442	0.501	0.488	16.2%	< 30	68.8%	80.9%	50 - 150	
Pyridaben	0.012	0.266	0.287	0.400	7.6%	< 30	63.7%	68.7%	50 - 150	
Spinosad	0.00	0.303	0.336	0.388	10.3%	< 30	78.1%	86.6%	50 - 150	
Spiromesfen	0.00	0.347	0.371	0.400	6.6%	< 30	86.7%	92.7%	50 - 150	
Spirotetramat	0.00	0.462	0.504	0.400	8.6%	< 30	115.5%	125.9%	50 - 150	
Spiroxamine	0.00	0.731	0.901	0.800	20.8%	< 30	91.4%	112.7%	50 - 150	
Tebuconazole	0.00	0.629	0.760	0.800	18.9%	< 30	78.8%	95.1%	50 - 150	
Thiadoprid	0.00	0.356	0.404	0.400	12.8%	< 30	89.1%	101.1%	50 - 150	
Thiamethoxam	0.00	0.384	0.408	0.400	6.1%	< 30	95.9%	102.0%	50 - 150	
Trifloxystrobin	0.005	0.299	0.336	0.400	12.0%	< 30	73.9%	82.8%	50 - 150	



12423 NE Whitaker Way
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503-254-1794



Report Number: 23-003420/D011.R000
Report Date: 04/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 03/23/23 15:57





Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.



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503-254-1794



Report Number: 23-005555/D006.R000
Report Date: 05/15/2023
ORELAP#: OR100028
Purchase Order:
Received: 05/08/23 15:51

Customer: Etz Hayim Holdings
Product identity: FORM-TN.O.CBG.CBD.FS50-FC02(A)
Client/Metric ID: .
Laboratory ID: 23-005555-0005

Summary

Microbiology:

Less than LOQ for all analytes.



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 503-254-1794



Report Number: 23-005555/D006.R000
Report Date: 05/15/2023
ORELAP#: OR100028
Purchase Order:
Received: 05/08/23 15:51

Customer: Etz Hayim Holdings
 16427 NE Airport Way
 PORTLAND 97230
 United States of America (USA)
Product identity: FORM-TN.O.CBG.CBD.FS50-FC02(A)
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-005555-0005
Evidence of Cooling: No
Temp: 22.6
Relinquished by: client

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2307148	05/12/23 AOAC 991.14 (Petrifilm) ^P		
Total Coliforms	< LOQ		cfu/g	10	2307148	05/12/23 AOAC 991.14 (Petrifilm) ^P		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2307150	05/13/23 AOAC 2014.05 (RAPID) ^P		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2307150	05/13/23 AOAC 2014.05 (RAPID) ^P		



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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.

^p = ISO/IEC 17025:2017 accredited method.

Units of Measure

cfu/g = Colony forming units per gram

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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