

CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU SG200.V2		BATCH # FC16(B)			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 200 mg Softgels		SERVING SIZE 1 Softgel (0.425g)					
LABORATORY: Columbia Laboratories		OREGON ACCREDITATION: OR100028					
POTENCY		PER SERVING		PER GRAM		Percent	
Cannabidiol (CBD)		202.73	mg/serving	477.00	mg/g	47.70	%
Total THC (d9-THC, THCA)		0.73	mg/serving	1.71	mg/g	0.17	%
Cannabigerol (CBG)		1.85	mg/serving	4.35	mg/g	0.44	%
Cannabinol (CBN)		2.02	mg/serving	4.75	mg/g	0.48	%
Cannabichromene (CBC)		2.69	mg/serving	6.34	mg/g	0.63	%
Tetrahydrocannabinolic Acid (THCA)		<LOQ	mg/serving	<LOQ	mg/g	<LOQ	%
Delta-9-THC (d9-THC)		0.73	mg/serving	1.71	mg/g	0.17	%
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		1280	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					
Water Activity		Pass					
TERPENES		% OF SAMPLE					
Farnesene		<LOQ	%				
β-Caryophyllene		9.80	%				
α-Bisabolol		3.03	%				
Guaiol		0.37	%				
Humulene		1.30	%				
Caryophyllene Oxide		3.39	%				

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: 23-007639/D002.R000
Report Date: 07/03/2023
ORELAP#: OR100028
Purchase Order:
Received: 06/27/23 15:54

Customer: Etz Hayim Holdings FORM-
Product identity: SG200.V2-FC16(B) .
Client/Metric ID: 23-007639-0001
Laboratory ID:

Residual Solvents:

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g	6.34		mg/1g		CBD-Total per Serving Size 477 mg/1g
CBD per 1g	477		mg/1g		
CBDV per 1g	4.30		mg/1g		THC-Total per Serving Size 1.71 mg/1g
CBE per 1g	25.2		mg/1g		(Reported in milligrams per serving)
CBG per 1g	4.35		mg/1g		
CBL per 1g	2.55		mg/1g		
CBN per 1g	4.75		mg/1g		
CBT per 1g	34.7		mg/1g		
Δ9-THC per 1g	1.71		mg/1g		

Analyte	Result (µg/g)	Limits (µg/g)	Status
Ethanol	1280		

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
(R)-(+)-Limonene	3.31	43.96%	a-pinene	2.76	36.65%
β-Caryophyllene	0.738	9.80%	(-)-caryophyllene oxide	0.255	3.39%
α-Bisabolol	0.228	3.03%	Humulene	0.0982	1.30%
β-Myrcene	0.0436	0.58%	Camphene	0.0375	0.50%
(-)-β-Pinene	0.0292	0.39%	(-)-Guaiol	0.0282	0.37%
Total Terpenes	7.53	100.00%			

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2308613	06/30/23 AOAC 991.14 (Petrifilm) [®]		I
Total Coliforms	< LOQ		cfu/g	10	2308613	06/30/23 AOAC 991.14 (Petrifilm) [®]		I
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2308614	06/30/23 AOAC 2014.05 (RAPID) [®]		I
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2308614	06/30/23 AOAC 2014.05 (RAPID) [®]		I

Solvents	Method: Residual Solvents by GC/MS ^b					Units µg/g	Batch 2308701	Analyze 06/30/23 09:23 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-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	1280		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) ^b						Units mg/kg Batch 2308638						Analyze 06/28/23 02:18 PM					
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes	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		Acetamiprid [‡]	< LOQ	0.20	0.100	pass		Azoxystrobin [‡]	< LOQ	0.20	0.100	pass	
Acequinocyl [‡]	< LOQ	2.0	1.00	pass		Acetamiprid [‡]	< LOQ	0.20	0.100	pass		Azoxystrobin [‡]	< LOQ	0.20	0.100	pass		Bifenthrin [‡]	< LOQ	0.20	0.100	pass	
Aldicarb [‡]	< LOQ	0.40	0.200	pass		Bifenthrin [‡]	< LOQ	0.20	0.100	pass		Carbaryl [‡]	< LOQ	0.20	0.100	pass		Chlorantraniliprole [‡]	< LOQ	0.20	0.100	pass	
Bifenazate [‡]	< LOQ	0.20	0.100	pass		Carbaryl [‡]	< LOQ	0.20	0.100	pass		Chlorpyrifos [‡]	< LOQ	0.20	0.100	pass		Cyfluthrin [‡]	< LOQ	1.0	0.500	pass	
Boscalid [‡]	< LOQ	0.40	0.200	pass		Chlorantraniliprole [‡]	< LOQ	0.20	0.100	pass		Daminozide [‡]	< LOQ	1.0	0.500	pass		Dichlorvos [‡]	< LOQ	1.0	0.500	pass	
Carbofuran [‡]	< LOQ	0.20	0.100	pass		Chlorpyrifos [‡]	< LOQ	0.20	0.100	pass		Ethoprophos [‡]	< LOQ	0.20	0.100	pass		Etoxazole [‡]	< LOQ	0.20	0.100	pass	
Chlorfenapyr [‡]	< LOQ	1.0	0.500	pass		Cyfluthrin [‡]	< LOQ	1.0	0.500	pass		Fenpyroximate [‡]	< LOQ	0.40	0.200	pass		Fenpyroximate [‡]	< LOQ	0.40	0.200	pass	
Clofentezine [‡]	< LOQ	0.20	0.100	pass		Daminozide [‡]	< LOQ	1.0	0.500	pass		Flonicamid [‡]	< LOQ	1.0	0.400	pass		Flonicamid [‡]	< LOQ	1.0	0.400	pass	
Cypermethrin [‡]	< LOQ	1.0	0.500	pass		Dichlorvos [‡]	< LOQ	1.0	0.500	pass		Hexythiazox [‡]	< LOQ	1.0	0.400	pass		Hexythiazox [‡]	< LOQ	1.0	0.400	pass	
Diazinon [‡]	< LOQ	0.20	0.100	pass		Ethoprophos [‡]	< LOQ	0.20	0.100	pass		Imidacloprid [‡]	< LOQ	0.40	0.200	pass		Imidacloprid [‡]	< LOQ	0.40	0.200	pass	
Dimethoate [‡]	< LOQ	0.20	0.100	pass		Etoxazole [‡]	< LOQ	0.20	0.100	pass		Malathion [‡]	< LOQ	0.20	0.100	pass		Malathion [‡]	< LOQ	0.20	0.100	pass	
Etofenprox [‡]	< LOQ	0.40	0.200	pass		Fenpyroximate [‡]	< LOQ	0.40	0.200	pass		Methiocarb [‡]	< LOQ	0.20	0.100	pass		Methiocarb [‡]	< LOQ	0.20	0.100	pass	
Fenoxycarb [‡]	< LOQ	0.20	0.100	pass		Flonicamid [‡]	< LOQ	1.0	0.400	pass		MGK-264 [‡]	< LOQ	0.20	0.100	pass		MGK-264 [‡]	< LOQ	0.20	0.100	pass	
Fipronil [‡]	< LOQ	0.40	0.200	pass		Hexythiazox [‡]	< LOQ	1.0	0.400	pass		Naled [‡]	< LOQ	0.50	0.250	pass		Naled [‡]	< LOQ	0.50	0.250	pass	
Fludioxonil [‡]	< LOQ	0.40	0.200	pass		Imidacloprid [‡]	< LOQ	0.40	0.200	pass		Paclobutrazole [‡]	< LOQ	0.40	0.200	pass		Paclobutrazole [‡]	< LOQ	0.40	0.200	pass	
Imazalil [‡]	< LOQ	0.20	0.100	pass		Malathion [‡]	< LOQ	0.20	0.100	pass		Permethrin [‡]	< LOQ	0.20	0.100	pass		Permethrin [‡]	< LOQ	0.20	0.100	pass	
Kresoxim-methyl [‡]	< LOQ	0.40	0.200	pass		Methiocarb [‡]	< LOQ	0.20	0.100	pass		Piperonyl butoxide [‡]	< LOQ	2.0	1.00	pass		Piperonyl butoxide [‡]	< LOQ	2.0	1.00	pass	
Metalaxy [‡]	< LOQ	0.20	0.100	pass		MGK-264 [‡]	< LOQ	0.20	0.100	pass		Propiconazole [‡]	< LOQ	0.40	0.200	pass		Propiconazole [‡]	< LOQ	0.40	0.200	pass	
Methomyl [‡]	< LOQ	0.40	0.200	pass		Naled [‡]	< LOQ	0.50	0.250	pass		Pyrethrin I (total) [‡]	< LOQ	1.0	0.500	pass		Pyrethrin I (total) [‡]	< LOQ	1.0	0.500	pass	
Myclobutanil [‡]	< LOQ	0.20	0.100	pass		Paclobutrazole [‡]	< LOQ	0.40	0.200	pass		Spinosad [‡]	< LOQ	0.20	0.100	pass		Spinosad [‡]	< LOQ	0.20	0.100	pass	
Oxamyl [‡]	< LOQ	1.0	0.500	pass		Permethrin [‡]	< LOQ	0.20	0.100	pass		Spirotetramat [‡]	< LOQ	0.20	0.100	pass		Spirotetramat [‡]	< LOQ	0.20	0.100	pass	
Parathion-Methyl [‡]	< LOQ	0.20	0.100	pass		Piperonyl butoxide [‡]	< LOQ	2.0	1.00	pass		Tebuconazole [‡]	< LOQ	0.40	0.200	pass		Tebuconazole [‡]	< LOQ	0.40	0.200	pass	
Phosmet [‡]	< LOQ	0.20	0.100	pass		Propiconazole [‡]	< LOQ	0.40	0.200	pass		Thiamethoxam [‡]	< LOQ	0.20	0.100	pass		Thiamethoxam [‡]	< LOQ	0.20	0.100	pass	
Prallethrin [‡]	< LOQ	0.20	0.100	pass		Pyrethrin I (total) [‡]	< LOQ	1.0	0.500	pass													
Propoxur [‡]	< LOQ	0.20	0.100	pass		Spinosad [‡]	< LOQ	0.20	0.100	pass													
Pyridaben [‡]	< LOQ	0.20	0.100	pass		Spirotetramat [‡]	< LOQ	0.20	0.100	pass													
Spiromesifen [‡]	< LOQ	0.20	0.100	pass		Tebuconazole [‡]	< LOQ	0.40	0.200	pass													
Spiroxamine [‡]	< LOQ	0.40	0.200	pass		Thiamethoxam [‡]	< LOQ	0.20	0.100	pass													
Thiacloprid [‡]	< LOQ	0.20	0.100	pass																			
Trifloxystrobin [‡]	< LOQ	0.20	0.100	pass																			

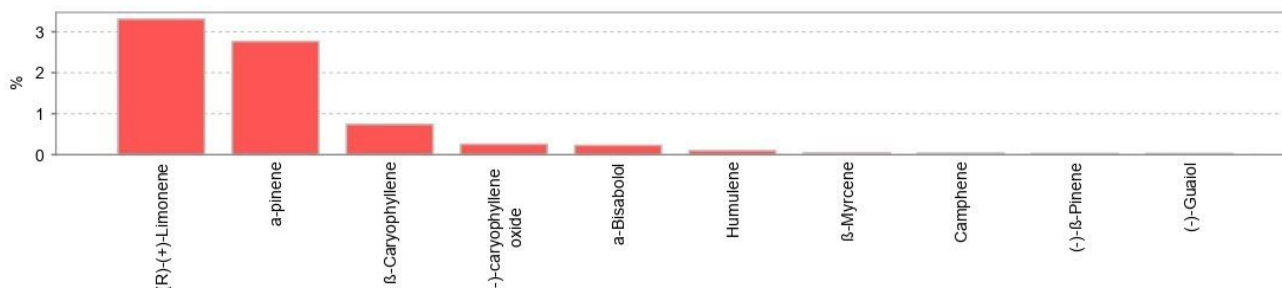


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Terpenes	Method: J AOAC 2015 V98-6				Units %	Batch 2308665	Analyze 06/28/23	03:00 PM	
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(R)-(+)-Limonene	3.31	0.019	43.96%		a-pinene	2.76	0.019	36.65%	
β-Caryophyllene	0.738	0.019	9.801%		(-)-caryophyllene oxide	0.255	0.019	3.386%	
α-Bisabolol	0.228	0.019	3.028%		Humulene	0.0982	0.019	1.3041%	
β-Myrcene	0.0436	0.019	0.5790%		Camphene	0.0375	0.019	0.4980%	
(-)-β-Pinene	0.0292	0.019	0.3878%		(-)-Guaiol	0.0282	0.019	0.3745%	
(±)-trans-Nerolidol	< LOQ	0.019	0.00%		farnesene	< LOQ	0.019	0.00%	
(+)-Cedrol	< LOQ	0.019	0.00%		(±)-fenchone	< LOQ	0.019	0.00%	
Linalool	< LOQ	0.019	0.00%		Geraniol	< LOQ	0.019	0.00%	
Sabinene hydrate	< LOQ	0.019	0.00%		(±)-Camphor	< LOQ	0.019	0.00%	
Sabinene	< LOQ	0.019	0.00%		(+)-fenchol	< LOQ	0.019	0.00%	
(-)-α-Terpineol	< LOQ	0.019	0.00%		trans-β-Ocimene	< LOQ	0.012	0.00%	
gamma-Terpinene	< LOQ	0.019	0.00%		α-phellandrene	< LOQ	0.019	0.00%	
(+)-Borneol	< LOQ	0.019	0.00%		α-Terpinene	< LOQ	0.019	0.00%	
Isoborneol	< LOQ	0.019	0.00%		(+)-Pulegone	< LOQ	0.019	0.00%	
Geranyl acetate	< LOQ	0.019	0.00%		d-3-Carene	< LOQ	0.019	0.00%	
valencene	< LOQ	0.019	0.00%		(-)-Isopulegol	< LOQ	0.019	0.00%	
(±)-cis-Nerolidol	< LOQ	0.019	0.00%		α-cedrene	< LOQ	0.019	0.00%	
cis-β-Ocimene	< LOQ	0.006	0.00%		Eucalyptol	< LOQ	0.019	0.00%	
Menthol	< LOQ	0.019	0.00%		nerol	< LOQ	0.019	0.00%	
p-Cymene	< LOQ	0.019	0.00%		Terpinolene	< LOQ	0.019	0.00%	
Total Terpenes	7.53								



Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method		Status	Notes
Arsenic*	< LOQ	0.200	mg/kg	0.0903	2308688	06/29/23	AOAC 2013.06 (mod.) ^p	pass	
Cadmium*	< LOQ	0.200	mg/kg	0.0903	2308688	06/29/23	AOAC 2013.06 (mod.) ^p	pass	
Lead*	< LOQ	0.500	mg/kg	0.0903	2308688	06/29/23	AOAC 2013.06 (mod.) ^p	pass	
Mercury*	< LOQ	0.100	mg/kg	0.0451	2308688	06/29/23	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

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

Approved Signatory

Derrick Tanner
General Manager



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Revision: 3 Document ID: 3120
Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 2308638				
Method Blank			Laboratory Control Sample					
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		0.836	1.000	83.6	50.0 150	
Acetate	0.038	< 0.200		0.699	0.800	87.4	60.0 120	
Acetaminocyl	0.000	< 1.000		3.490	4.000	87.3	40.0 160	
Acetamidrid	0.000	< 0.100		0.359	0.400	89.7	60.0 120	
Aldicarb	0.000	< 0.200		0.730	0.800	91.2	60.0 120	
Aazoxystrobin	0.019	< 0.100		0.381	0.400	95.3	60.0 120	
Bifenazate	0.000	< 0.100		0.384	0.400	96.0	60.0 120	
Bifenthrin	0.000	< 0.100		0.369	0.400	92.2	50.0 150	
Boscalid	0.000	< 0.200		0.770	0.800	96.2	60.0 120	
Carbaryl	0.000	< 0.100		0.387	0.400	96.7	60.0 120	
Carbofuran	0.000	< 0.100		0.356	0.400	88.9	60.0 120	
Chlorantraniliprole	0.000	< 0.100		0.379	0.400	94.8	60.0 120	
Chlorfenapyr	0.000	< 0.500		1.396	2.000	69.8	60.0 120	
Chlorpyrifos	0.000	< 0.100		0.363	0.400	90.8	60.0 120	
Clofentezine	0.000	< 0.100		0.365	0.400	91.2	60.0 120	
Cyfluthrin	0.000	< 0.500		1.849	2.000	92.5	50.0 150	
Cypermethrin	0.027	< 0.500		1.873	2.000	93.7	50.0 150	
Daminozide	0.000	< 0.500		1.869	2.000	93.4	60.0 120	
Diazinon	0.009	< 0.100		0.370	0.400	92.6	60.0 120	
Dichlorvos	0.000	< 0.500		1.873	2.000	93.7	60.0 120	
Dimethoate	0.000	< 0.100		0.401	0.400	100.3	60.0 120	
Ethionprophos	0.001	< 0.100		0.362	0.400	90.5	60.0 120	
Etofenprox	0.015	< 0.200		0.702	0.800	87.7	50.0 150	
Etoxazole	0.012	< 0.100		0.362	0.400	90.6	60.0 120	
Fenoxycarb	0.000	< 0.100		0.361	0.400	90.3	60.0 120	
Fenpyroximate	0.018	< 0.200		0.782	0.800	97.7	60.0 120	
Fipronil	0.000	< 0.200		0.688	0.800	86.0	60.0 120	
Flonicamid	0.000	< 0.250		0.998	1.000	99.8	60.0 120	
Fludioxonil	0.000	< 0.200		0.812	0.800	101.5	50.0 150	
Hexythiazox	0.015	< 0.250		0.889	1.000	88.9	60.0 120	
Imazalil	0.000	< 0.100		0.356	0.400	89.1	60.0 120	
Imidacloprid	0.014	< 0.200		0.709	0.800	88.6	60.0 120	
Kresoxim-methyl	0.000	< 0.200		0.691	0.800	86.4	60.0 120	
Malathion	0.006	< 0.100		0.374	0.400	93.5	60.0 120	
Metabaxyl	0.000	< 0.100		0.362	0.400	90.4	60.0 120	
Methiocarb	0.003	< 0.100		0.348	0.400	87.0	60.0 120	
Methomyl	0.000	< 0.200		0.882	0.800	110.3	60.0 120	
MGK-264	0.000	< 0.100		0.351	0.400	87.9	50.0 150	
Myclobutanil	0.000	< 0.100		0.358	0.400	89.4	60.0 120	
Naled	0.000	< 0.250		0.921	1.000	92.1	50.0 150	
Oxamyl	0.000	< 0.500		2.030	2.000	101.5	60.0 120	
Paclobutrazole	0.004	< 0.200		0.706	0.800	88.2	60.0 120	
Parathion-Methyl	0.000	< 0.100		0.403	0.400	100.7	50.0 150	
Permethrin	0.006	< 0.100		0.364	0.400	91.1	50.0 150	
Phosmet	0.000	< 0.100		0.350	0.400	87.6	50.0 150	
Piperonyl butoxide	0.015	< 0.500		1.816	2.000	90.8	60.0 120	
Pallethrin	0.013	< 0.100		0.351	0.400	87.8	60.0 120	
Propiconazole	0.000	< 0.200		0.720	0.800	90.0	60.0 120	
Propoxur	0.000	< 0.100		0.369	0.400	92.3	60.0 120	
Pyrethrin (Summe)	0.003	< 0.100		0.428	0.488	87.7	60.0 120	
Pyridaben	0.002	< 0.100		0.354	0.400	88.4	50.0 150	
Spinosad	0.000	< 0.100		0.361	0.388	93.0	50.0 150	
Spiromesifen	0.000	< 0.100		0.373	0.400	93.2	60.0 120	
Spirotetramat	0.000	< 0.100		0.378	0.400	94.5	60.0 120	
Spiroxamine	0.018	< 0.200		0.693	0.800	86.7	60.0 120	
Tebuconazole	0.016	< 0.200		0.709	0.800	88.6	60.0 120	
Thiacloprid	0.000	< 0.100		0.348	0.400	87.0	60.0 120	
Thiamethoxam	0.000	< 0.100		0.399	0.400	99.9	60.0 120	
Trifloxystrobin	0.003	< 0.100		0.382	0.400	95.5	60.0 120	



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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662										
Units: mg/Kg										
Batch ID: 2308638										
Matrix Spike/Matrix Spike Duplicate Recoveries										
Sample ID: 23-007639-0001										
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	0.777	0.808	1.000	4.0%	< 30	77.7%	80.8%	50 - 150	
Acetate	0.000	0.608	0.646	0.800	6.0%	< 30	76.0%	80.8%	50 - 150	
Acetaminophen	0.000	3.459	3.810	4.000	9.7%	< 30	86.5%	95.2%	50 - 150	
Acetamiprid	0.000	0.323	0.331	0.400	2.7%	< 30	80.7%	82.8%	50 - 150	
Aldicarb	0.000	0.698	0.770	0.800	9.8%	< 30	87.2%	96.2%	50 - 150	
Azoxystrobin	0.016	0.289	0.307	0.400	6.2%	< 30	68.2%	72.6%	50 - 150	
Bifenthrin	0.003	0.287	0.331	0.400	14.6%	< 30	70.9%	82.0%	50 - 150	
Bifenthrin	0.006	0.331	0.342	0.400	3.2%	< 30	81.3%	83.9%	50 - 150	
Boscalid	0.019	0.571	0.566	0.800	1.0%	< 30	69.0%	68.3%	50 - 150	
Carbaryl	0.000	0.274	0.301	0.400	9.7%	< 30	68.4%	75.4%	50 - 150	
Carbofuran	0.007	0.285	0.293	0.400	2.8%	< 30	69.4%	71.4%	50 - 150	
Chlorantraniliprole	0.000	0.323	0.378	0.400	15.5%	< 30	80.8%	94.4%	50 - 150	
Chlorfenapyr	0.000	1.228	1.278	2.000	4.0%	< 30	61.4%	63.9%	50 - 150	
Chlorpyrifos	0.000	0.361	0.362	0.400	0.1%	< 30	90.3%	90.4%	50 - 150	
Clofentazine	0.000	0.244	0.276	0.400	12.6%	< 30	60.9%	69.1%	50 - 150	
Cyfluthrin	0.000	0.769	0.862	2.000	11.5%	< 30	38.4%	43.1%	30 - 150	
Cypermethrin	0.000	0.874	0.923	2.000	5.4%	< 30	43.7%	46.1%	50 - 150	Q
Daminozide	0.000	1.985	2.215	2.000	10.9%	< 30	99.3%	110.7%	30 - 150	
Diazinon	0.007	0.238	0.257	0.400	7.8%	< 30	57.8%	62.5%	50 - 150	
Dichlorvos	0.000	1.499	1.751	2.000	15.5%	< 30	75.0%	87.5%	50 - 150	
Dimethoate	0.000	0.365	0.383	0.400	4.8%	< 30	91.3%	95.8%	50 - 150	
Ethionphos	0.003	0.239	0.266	0.400	10.8%	< 30	59.1%	65.9%	50 - 150	
Etofenprox	0.000	0.593	0.633	0.800	6.4%	< 30	74.2%	79.1%	50 - 150	
Etofenprox	0.010	0.347	0.384	0.400	10.4%	< 30	84.3%	93.5%	50 - 150	
Fenoxycarb	0.000	0.270	0.314	0.400	15.1%	< 30	67.5%	78.5%	50 - 150	
Fenpyroximate	0.000	0.290	0.307	0.800	5.8%	< 30	36.2%	38.4%	50 - 150	Q
Fipronil	0.000	0.366	0.442	0.800	18.8%	< 30	45.8%	55.2%	50 - 150	Q
Fipronil	0.000	0.902	0.962	1.000	6.5%	< 30	90.2%	96.2%	50 - 150	
Fludioxonil	0.000	0.981	1.012	0.800	3.2%	< 30	122.6%	126.6%	50 - 150	
Hexythiazox	0.013	0.832	0.891	1.000	7.0%	< 30	81.9%	87.9%	50 - 150	
Imazalil	0.007	0.296	0.319	0.400	7.7%	< 30	72.1%	77.9%	50 - 150	
Imidacloprid	0.027	0.731	0.748	0.800	2.4%	< 30	88.0%	90.1%	50 - 150	
Kresoxim-methyl	0.000	0.443	0.489	0.800	9.8%	< 30	55.4%	61.1%	50 - 150	
Malathion	0.034	0.278	0.306	0.400	10.8%	< 30	61.0%	67.9%	50 - 150	
Metolachlor	0.005	0.313	0.342	0.400	9.3%	< 30	76.8%	84.3%	50 - 150	
Methidathion	0.000	0.264	0.300	0.400	12.8%	< 30	65.9%	74.9%	50 - 150	
Methomyl	0.000	0.851	0.898	0.800	5.3%	< 30	106.4%	112.2%	50 - 150	
MGK-264	0.000	0.116	0.151	0.400	25.8%	< 30	29.0%	37.6%	50 - 150	Q
Myclobutanil	0.000	0.215	0.271	0.400	22.9%	< 30	53.8%	67.8%	50 - 150	
Naled	0.000	0.611	0.685	1.000	11.5%	< 30	61.1%	68.5%	50 - 150	
Oxamyl	0.000	1.986	1.928	2.000	3.0%	< 30	99.3%	96.4%	50 - 150	
Paclobutrazole	0.006	0.495	0.562	0.800	12.8%	< 30	61.2%	69.5%	50 - 150	
Parathion-Methyl	0.000	0.186	0.171	0.400	8.0%	< 30	46.4%	42.8%	30 - 150	
Permethrin	0.000	0.292	0.316	0.400	8.0%	< 30	73.0%	79.1%	50 - 150	
Phosmet	0.000	0.260	0.287	0.400	9.9%	< 30	64.9%	71.6%	50 - 150	
Piperonyl butoxide	0.013	1.763	1.892	2.000	7.1%	< 30	87.5%	93.9%	50 - 150	
Prallethrin	0.034	0.281	0.334	0.400	19.4%	< 30	61.8%	75.0%	50 - 150	
Propiconazole	0.000	0.423	0.472	0.800	11.0%	< 30	52.9%	59.1%	50 - 150	
Propoxur	0.009	0.301	0.322	0.400	6.9%	< 30	73.0%	78.1%	50 - 150	
Pyrethrin (Summe)	0.000	0.672	0.811	0.488	18.7%	< 30	137.8%	166.2%	50 - 150	Q
Pyridaben	0.001	0.339	0.356	0.400	4.8%	< 30	84.5%	88.7%	50 - 150	
Spinosad	0.000	0.325	0.345	0.388	5.9%	< 30	83.8%	89.0%	50 - 150	
Spiromesifen	0.005	0.367	0.398	0.400	8.2%	< 30	90.6%	98.4%	50 - 150	
Spirotetramat	0.000	0.443	0.479	0.400	7.8%	< 30	110.7%	119.7%	50 - 150	
Spiroxamine	0.000	0.627	0.717	0.800	13.5%	< 30	78.3%	89.7%	50 - 150	
Tebuconazole	0.000	0.408	0.504	0.800	21.1%	< 30	50.9%	63.0%	50 - 150	
Thiacloprid	0.000	0.299	0.324	0.400	8.0%	< 30	74.7%	80.9%	50 - 150	
Thiamethoxam	0.000	0.403	0.417	0.400	3.2%	< 30	100.9%	104.2%	50 - 150	
Trifloxystrobin	0.003	0.351	0.355	0.400	1.2%	< 30	87.1%	88.2%	50 - 150	



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Terpenes Quality Control Results

Method Reference: EPA5035				Batch ID: 2308665			
Method Blank				Laboratory Control Sample			
Analyte	Result	LQ	Notes	Result	LCS	Units	LC% Rec Limits Notes
a-pinene	<LOQ	< 200		416	500	µg/g	83% 70 - 130
Camphene	<LOQ	< 200		453	500	µg/g	91% 70 - 130
Sabinene	<LOQ	< 200		399	500	µg/g	80% 70 - 130
b-Pinene	<LOQ	< 200		392	500	µg/g	78% 70 - 130
b-Myrcene	<LOQ	< 200		423	500	µg/g	85% 70 - 130
a-phellandrene	<LOQ	< 200		452	500	µg/g	90% 70 - 130
d-3-Carene	<LOQ	< 200		458	500	µg/g	92% 70 - 130
a-Terpinene	<LOQ	< 200		413	500	µg/g	83% 70 - 130
p-Cymene	<LOQ	< 200		425	500	µg/g	85% 70 - 130
D-Limonene	<LOQ	< 200		414	500	µg/g	83% 70 - 130
Eucalyptol	<LOQ	< 200		424	500	µg/g	85% 70 - 130
b-cis-Öcimene	<LOQ	< 67		138	167	µg/g	83% 70 - 130
b-trans-Öcimene	<LOQ	< 133		292	333	µg/g	88% 70 - 130
g-Terpinene	<LOQ	< 200		409	500	µg/g	82% 70 - 130
Sabinene Hydrate	<LOQ	< 200		420	500	µg/g	84% 70 - 130
Terpinolene	<LOQ	< 200		401	500	µg/g	80% 70 - 130
D-Fenchone	<LOQ	< 200		398	500	µg/g	80% 70 - 130
Linalool	<LOQ	< 200		470	500	µg/g	94% 70 - 130
Fenchol	<LOQ	< 200		444	500	µg/g	89% 70 - 130
Camphor	<LOQ	< 200		431	500	µg/g	86% 70 - 130
Isopulego	<LOQ	< 200		444	500	µg/g	89% 70 - 130
Isoborneol	<LOQ	< 200		474	500	µg/g	95% 70 - 130
Borneol	<LOQ	< 200		433	500	µg/g	87% 70 - 130
DL-Menthol	<LOQ	< 200		429	500	µg/g	86% 70 - 130
Terpineol	<LOQ	< 200		429	500	µg/g	86% 70 - 130
Nerol	<LOQ	< 200		362	500	µg/g	72% 70 - 130
Pulegone	<LOQ	< 200		436	500	µg/g	87% 70 - 130
Geraniol	<LOQ	< 200		392	500	µg/g	78% 70 - 130
Geranyl Acetate	<LOQ	< 200		392	500	µg/g	78% 70 - 130
a-Öedrene	<LOQ	< 200		398	500	µg/g	80% 70 - 130
b-Caryophyllene	<LOQ	< 200		451	500	µg/g	90% 70 - 130
a-Humulene	<LOQ	< 200		464	500	µg/g	93% 70 - 130
Valenene	<LOQ	< 200		410	500	µg/g	82% 70 - 130
cis-Nerolidol	<LOQ	< 200		472	500	µg/g	94% 70 - 130
a-Farnesene	<LOQ	< 200		493	500	µg/g	99% 70 - 130
trans-Nerolidol	<LOQ	< 200		429	500	µg/g	86% 70 - 130
Caryophyllene Oxide	<LOQ	< 200		452	500	µg/g	90% 70 - 130
Guaiol	<LOQ	< 200		445	500	µg/g	89% 70 - 130
Öedrol	<LOQ	< 200		467	500	µg/g	93% 70 - 130
a-Bisabolol	<LOQ	< 200		464	500	µg/g	93% 70 - 130

Definitions

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



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Terpenes Quality Control Results

Method Reference: EPA5035			Batch ID: 2308665				
Sample/ Sample Duplicate		Sample ID: 23-007476-002					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	32600	32700	184	µg/g	0%	< 20	
Camphene	1200	1200	184	µg/g	0%	< 20	
Sabinene	3280	3300	184	µg/g	1%	< 20	
b-Pinene	197000	197000	184	µg/g	0%	< 20	
b-Myrcene	163000	164000	184	µg/g	1%	< 20	
a-phellandrene	3130	3150	184	µg/g	1%	< 20	
d-3-Carene	2950	2970	184	µg/g	1%	< 20	
a-Terpinene	2390	2410	184	µg/g	1%	< 20	
p-Cymene	1160	1170	184	µg/g	1%	< 20	
D-Limonene	222000	224000	184	µg/g	1%	< 20	
Eucalyptol	<LOQ	<LOQ	184	µg/g	0%	< 20	
b-cis-Öcimene	2400	2380	614	µg/g	1%	< 20	
b-trans-Öcimene	30800	30400	123	µg/g	1%	< 20	
g-Terpinene	10400	10400	184	µg/g	0%	< 20	
Sabinene Hydrate	<LOQ	<LOQ	184	µg/g	0%	< 20	
Terpinolene	76200	76500	184	µg/g	0%	< 20	
D-Fenchone	271	267	184	µg/g	1%	< 20	
Linalool	24300	24300	184	µg/g	0%	< 20	
Fenchol	1390	1390	184	µg/g	0%	< 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	284	291	184	µg/g	2%	< 20	
DL-Menthol	<LOQ	<LOQ	184	µg/g	0%	< 20	
Terpineol	1030	1020	184	µg/g	1%	< 20	
Nerol	<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	57100	57400	184	µg/g	1%	< 20	
a-Humulene	22100	22200	184	µg/g	0%	< 20	
Valenene	289	288	184	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	184	µg/g	0%	< 20	
a-Farnesene	<LOQ	<LOQ	184	µg/g	0%	< 20	
trans-Nerolidol	<LOQ	<LOQ	184	µg/g	0%	< 20	
Caryophyllene Oxide	1040	1040	184	µg/g	0%	< 20	
Guaiol	330	329	184	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	184	µg/g	0%	< 20	
a-Bisabolol	6780	6820	184	µg/g	1%	< 20	

Definitions

RPD Relative Percent Difference



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Laboratory Quality Control Results									
IQAAC 2015 V98-6				Batch ID: 2308669					
Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	2	0.0768	0.0729	%	105	80.0 - 120	Acceptable		
CBDV	2	0.0763	0.0727	%	105	80.0 - 120	Acceptable		
CBE	2	0.0835	0.0803	%	104	80.0 - 120	Acceptable		
CBD A	1	0.0788	0.0768	%	103	90.0 - 110	Acceptable		
CBGA	1	0.0780	0.0763	%	102	80.0 - 120	Acceptable		
CBG	1	0.0898	0.0877	%	102	80.0 - 120	Acceptable		
CBD	1	0.0894	0.0853	%	105	90.0 - 110	Acceptable		
THCV	2	0.0561	0.0546	%	103	80.0 - 120	Acceptable		
dBTHCV	2	0.0655	0.0644	%	102	80.0 - 120	Acceptable		
THCVA	2	0.0768	0.0711	%	108	80.0 - 120	Acceptable		
CBN	1	0.0798	0.0808	%	98.7	80.0 - 120	Acceptable		
exo-THC	2	0.0656	0.0653	%	100	80.0 - 120	Acceptable		
dBTHC	1	0.0845	0.0832	%	102	90.0 - 110	Acceptable		
9S-d10THC	1	0.0580	0.0589	%	98.6	80.0 - 120	Acceptable		
CBL	2	0.0727	0.0718	%	101	80.0 - 120	Acceptable		
9S-HHC	3	0.0718	0.0769	%	93.4	80.0 - 120	Acceptable		
9R-d10THC	1	0.0746	0.0759	%	98.3	80.0 - 120	Acceptable		
CBG	2	0.0678	0.0675	%	100	80.0 - 120	Acceptable		
9R-HHC	3	0.0677	0.0769	%	88.0	80.0 - 120	Acceptable		
THCA	1	0.0754	0.0763	%	98.8	90.0 - 110	Acceptable		
CBGA	2	0.0775	0.0737	%	105	80.0 - 120	Acceptable		
CBLA	2	0.0732	0.0698	%	105	80.0 - 120	Acceptable		
dBTHCP	2	0.0735	0.0752	%	97.8	80.0 - 120	Acceptable		
dBTHCO	3	0.0735	0.0769	%	95.6	80.0 - 120	Acceptable		
CBT	2	0.0698	0.0753	%	92.7	80.0 - 120	Acceptable		
dBTHCO	3	0.0680	0.0769	%	88.4	80.0 - 120	Acceptable		
Method Blank									
Analyte		Result	LOQ	Units		Limits	Evaluation	Notes	
CBDVA		<LOQ	0.00690	%		< 0.00690	Acceptable		
CBDV		<LOQ	0.00690	%		< 0.00690	Acceptable		
CBE		<LOQ	0.00690	%		< 0.00690	Acceptable		
CBD A		<LOQ	0.00690	%		< 0.00690	Acceptable		
CBGA		<LOQ	0.00690	%		< 0.00690	Acceptable		
CBG		<LOQ	0.00690	%		< 0.00690	Acceptable		
CBD		<LOQ	0.00690	%		< 0.00690	Acceptable		
THCV		<LOQ	0.00690	%		< 0.00690	Acceptable		
dBTHCV		<LOQ	0.00690	%		< 0.00690	Acceptable		
THCVA		<LOQ	0.00690	%		< 0.00690	Acceptable		
CBN		<LOQ	0.00690	%		< 0.00690	Acceptable		
exo-THC		<LOQ	0.00690	%		< 0.00690	Acceptable		
dBTHC		<LOQ	0.00690	%		< 0.00690	Acceptable		
9S-d10THC		<LOQ	0.00690	%		< 0.00690	Acceptable		
CBL		<LOQ	0.00690	%		< 0.00690	Acceptable		
9S-HHC		<LOQ	0.00690	%		< 0.00690	Acceptable		
9R-d10THC		<LOQ	0.00690	%		< 0.00690	Acceptable		
CBG		<LOQ	0.00690	%		< 0.00690	Acceptable		
9R-HHC		<LOQ	0.00690	%		< 0.00690	Acceptable		
THCA		<LOQ	0.00690	%		< 0.00690	Acceptable		
CBGA		<LOQ	0.00690	%		< 0.00690	Acceptable		
CBLA		<LOQ	0.00690	%		< 0.00690	Acceptable		
dBTHCP		<LOQ	0.00690	%		< 0.00690	Acceptable		
dBTHCO		<LOQ	0.00690	%		< 0.00690	Acceptable		
CBT		<LOQ	0.00690	%		< 0.00690	Acceptable		
dBTHCO		<LOQ	0.00690	%		< 0.00690	Acceptable		

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

Units of Measure:
% - Percent



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



Report Number: 23-007639/D002.R000
Report Date: 07/03/2023
ORELAP#: OR100028
Purchase Order:
Received: 06/27/23 15:54

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

Laboratory Quality Control Results								
JAOAC 2015 V98-6 Batch ID: 2308669								
Sample Duplicate Sample ID: 23-007479-0001								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
CB	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
CBN	0.287	0.283	0.0672	%	1.38	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
d8THC	1.27	1.27	0.0672	%	0.301	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
CB	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
9S-HHC	29.2	29.3	0.0672	%	0.307	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
CB	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
9R-HHC	55.7	56.0	0.0672	%	0.514	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
CB	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
d8THCO	<LOQ	<LOQ	0.0672	%	NA	< 20	Acceptable	
CB	0.128	0.123	0.0672	%	4.00	< 20	Acceptable	
d9THCO	<LOQ	<LOQ	0.0672	%	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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Report Number: 23-007639/D002.R000
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Received: 06/27/23 15:54

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

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2308701			
Method Blank				Laboratory Control Sample			
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec Limits Notes
Propane	ND	< 200		509	584	µg/g	87.2 60 - 120
Isobutane	ND	< 200		704	767	µg/g	91.8 60 - 120
Butane	ND	< 200		701	782	µg/g	89.6 60 - 120
2,2-Dimethylpropane	ND	< 200		756	939	µg/g	80.5 60 - 120
Methanol	ND	< 200		1520	1640	µg/g	92.7 60 - 120
Ethylene Oxide	ND	< 30		50.9	57.1	µg/g	89.1 60 - 120
2-Methylbutane	ND	< 200		1400	1600	µg/g	87.5 60 - 120
Pentane	ND	< 200		1430	1620	µg/g	88.3 60 - 120
Ethanol	ND	< 200		1560	1610	µg/g	96.9 70 - 130
Ethyl Ether	ND	< 200		1450	1610	µg/g	90.1 60 - 120
2,2-Dimethylbutane	ND	< 30		152	168	µg/g	90.5 60 - 120
Acetone	ND	< 200		1480	1620	µg/g	91.4 60 - 120
2-Propanol	ND	< 200		1620	1600	µg/g	101.3 60 - 120
Ethyl Formate	ND	< 500		1370	1600	µg/g	85.6 70 - 130
Acetonitrile	ND	< 100		436	484	µg/g	90.1 60 - 120
Methyl Acetate	ND	< 500		1470	1610	µg/g	91.3 70 - 130
2,3-Dimethylbutane	ND	< 30		140	162	µg/g	86.4 60 - 120
Dichloromethane	ND	< 60		444	483	µg/g	91.9 60 - 120
2-Methylpentane	ND	< 30		162	174	µg/g	93.1 60 - 120
MTBE	ND	< 500		1490	1610	µg/g	92.5 70 - 130
3-Methylpentane	ND	< 30		160	168	µg/g	95.2 60 - 120
Hexane	ND	< 30		151	168	µg/g	89.9 60 - 120
1-Propanol	ND	< 500		1500	1600	µg/g	93.8 70 - 130
Methyl Ethyl Ketone	ND	< 500		1480	1620	µg/g	91.4 70 - 130
Ethyl acetate	ND	< 200		1520	1600	µg/g	95.0 60 - 120
2-Butanol	ND	< 200		1650	1600	µg/g	103.1 60 - 120
Tetrahydrofuran	ND	< 100		467	514	µg/g	90.9 60 - 120
Cyclohexane	ND	< 200		1500	1600	µg/g	93.8 60 - 120
2-methyl-1-propanol	ND	< 500		1470	1610	µg/g	91.3 70 - 130
Benzene	ND	< 1		3.93	5.12	µg/g	76.8 60 - 120
Isopropyl Acetate	ND	< 200		1530	1620	µg/g	94.4 60 - 120
Heptane	ND	< 200		1490	1610	µg/g	92.5 60 - 120
1-Butanol	ND	< 500		1510	1600	µg/g	94.4 70 - 130
Propyl Acetate	ND	< 500		1450	1600	µg/g	90.6 70 - 130
1,4-Dioxane	ND	< 100		466	493	µg/g	94.5 60 - 120
2-Ethoxyethanol	ND	< 30		175	163	µg/g	107.4 60 - 120
Methyl isobutyl ketone	ND	< 500		1450	1600	µg/g	90.6 70 - 130
3-Methyl-1-butanol	ND	< 500		1530	1610	µg/g	95.0 70 - 130
Ethylene Glycol	ND	< 200		288	483	µg/g	59.6 60 - 120
Toluene	ND	< 100		454	493	µg/g	92.1 60 - 120
Isobutyl Acetate	ND	< 500		1430	1600	µg/g	89.4 70 - 130
1-Pentanol	ND	< 500		1570	1600	µg/g	98.1 70 - 130
Butyl Acetate	ND	< 500		1420	1600	µg/g	88.8 70 - 130
Ethylbenzene	ND	< 200		901	969	µg/g	93.0 60 - 120
m,p-Xylene	ND	< 200		892	968	µg/g	92.1 60 - 120
o-Xylene	ND	< 200		908	976	µg/g	93.0 60 - 120
Cumene	ND	< 30		148	162	µg/g	91.4 60 - 120
Anisole	ND	< 500		1390	1610	µg/g	86.3 70 - 130
DMSO	ND	< 500		1080	1610	µg/g	67.1 70 - 130 Q6
1,2-dimethoxyethane	ND	< 50		149	164	µg/g	90.9 70 - 130
Triethylamine	ND	< 500		1280	1600	µg/g	80.0 70 - 130
N,N-dimethylformamide	ND	< 150		440	484	µg/g	90.9 70 - 130
N,N-dimethylacetamide	ND	< 150		413	489	µg/g	84.5 70 - 130
Pyridine	ND	< 50		123	172	µg/g	71.5 70 - 130
Sulfolane	ND	< 50		108	163	µg/g	66.3 70 - 130 Q6
1,2-Dichloroethane	ND	< 1		0.959	1	µg/g	95.9 70 - 130
Chloroform	ND	< 1		1.09	1	µg/g	108.0 70 - 130
Trichloroethylene	ND	< 1		1.21	1	µg/g	121.0 70 - 130
1,1-Dichloroethane	ND	< 1		0.994	1	µg/g	99.4 70 - 130



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Portland, OR 97230
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Report Number: 23-007639/D002.R000
Report Date: 07/03/2023
ORELAP#: OR100028
Purchase Order:
Received: 06/27/23 15:54

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

QC - Sample Duplicate

Sample ID: 23-007062-0002

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	
Methyl isobutyl ketone	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	
Sulfone	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



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



Report Number: 23-007639/D002.R000
Report Date: 07/03/2023
ORELAP#: OR100028
Purchase Order:
Received: 06/27/23 15:54





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Portland, OR 97230
503-254-1794



Report Number: 23-007639/D002.R000
Report Date: 07/03/2023
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Purchase Order:
Received: 06/27/23 15:54

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: 23-008423/D002.R000
Report Date: 07/19/2023
ORELAP#: OR100028
Purchase Order: 2558667
Received: 07/17/23 16:05

Customer: Etz Hayim Holdings
16427 NE Airport Way
PORTLAND 97230
United States of America (USA)
Product identity: FORM-SG200.V2-FC16(B)
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-008423-0001
Evidence of Cooling: No
Temp: 23.6 °C
Relinquished by: Client
Serving Size #1: 1 g

Sample Results

Potency per 1g	Method: J AOAC 2015 V98-6 (mod)®	Units mg/se	Batch: 2309237	Analyze: 7/19/23 11:15:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	6.34		mg/1g	0.0331	
CBC-A per 1g	< LOQ		mg/1g	0.0331	
CBC-Total per 1g	6.34		mg/1g	0.0621	
CBD per 1g	477		mg/1g	3.31	
CBD-A per 1g	< LOQ		mg/1g	0.0331	
CBD-Total per 1g	477		mg/1g	3.34	
CBDV per 1g	4.30		mg/1g	0.0331	
CBDV-A per 1g	< LOQ		mg/1g	0.0331	
CBDV-Total per 1g	4.30		mg/1g	0.0618	
CBE per 1g	25.2		mg/1g	0.331	
CBG per 1g	4.35		mg/1g	0.0331	
CBG-A per 1g	< LOQ		mg/1g	0.0331	
CBG-Total per 1g	4.35		mg/1g	0.0618	
CBL per 1g	2.55		mg/1g	0.0331	
CBL-A per 1g	< LOQ		mg/1g	0.0331	
CBL-Total per 1g	2.55		mg/1g	0.0621	
CBN per 1g	4.75		mg/1g	0.0331	
CBT per 1g	34.7		mg/1g	0.331	
Δ8-THCV per 1g	< LOQ		mg/1g	0.0331	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0331	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0331	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0662	
Δ8-THC per 1g	< LOQ		mg/1g	0.0331	
Δ9-THC per 1g	1.71		mg/1g	0.0331	
delta-9-THCP per 1g	< LOQ		mg/1g	0.0331	
exo-THC per 1g	< LOQ		mg/1g	0.0331	
THC-A per 1g	< LOQ		mg/1g	0.0331	
THC-Total per 1g	1.71		mg/1g	0.0621	
THCV per 1g	< LOQ		mg/1g	0.0331	
THCV-A per 1g	< LOQ		mg/1g	0.0331	



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Report Number: 23-008423/D002.R000
Report Date: 07/19/2023
ORELAP#: OR100028
Purchase Order: 2558667
Received: 07/17/23 16:05

Potency per 1g		Method: J AOAC 2015 V98-6 (mod) ^b		Units mg/se	Batch: 2309237	Analyze: 7/19/23 11:15:00 AM
Analyte	Result	Limits	Units	LOQ	Notes	
THCV-Total per 1g	< LOQ		mg/1g	0.0621		
Total Cannabinoids per 1g	561		mg/1g			



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Report Number: 23-008423/D002.R000
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Received: 07/17/23 16:05

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

g = g

mg/1g = Milligram per 1g

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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



Report Number: 23-008423/D002.R000
Report Date: 07/19/2023
ORELAP#: OR100028
Purchase Order: 2558667
Received: 07/17/23 16:05

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

Laboratory Quality Control Results									
JAOAC 2015 V98-6									
Batch ID: 2309237									
Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	2	0.0298	0.0311	%	95.9	80.0 - 120	Acceptable		
CBDV	2	0.0297	0.0307	%	96.7	80.0 - 120	Acceptable		
CBE	2	0.0334	0.0349	%	95.8	80.0 - 120	Acceptable		
CBD A	1	0.0312	0.0325	%	95.9	90.0 - 110	Acceptable		
CBGA	1	0.0311	0.0326	%	95.3	80.0 - 120	Acceptable		
CBG	1	0.0318	0.0332	%	95.7	80.0 - 120	Acceptable		
CBD	1	0.0326	0.0337	%	96.6	90.0 - 110	Acceptable		
THCV	2	0.0215	0.0222	%	96.8	80.0 - 120	Acceptable		
d8THCV	2	0.0259	0.0272	%	95.5	80.0 - 120	Acceptable		
THCVA	2	0.0298	0.0310	%	96.2	80.0 - 120	Acceptable		
CBN	1	0.0323	0.0340	%	95.0	80.0 - 120	Acceptable		
exo-THC	2	0.0300	0.0311	%	96.4	80.0 - 120	Acceptable		
d9THC	1	0.0317	0.0329	%	96.2	90.0 - 110	Acceptable		
d8THC	1	0.0307	0.0320	%	96.0	90.0 - 110	Acceptable		
9S-d10THC	1	0.0328	0.0343	%	95.7	80.0 - 120	Acceptable		
CBL	2	0.0305	0.0311	%	98.1	80.0 - 120	Acceptable		
9R-d10THC	1	0.0296	0.0313	%	94.8	80.0 - 120	Acceptable		
CBC	2	0.0301	0.0319	%	94.5	80.0 - 120	Acceptable		
THCA	1	0.0305	0.0322	%	94.7	90.0 - 110	Acceptable		
CBGA	2	0.0309	0.0325	%	95.1	80.0 - 120	Acceptable		
CBLA	2	0.0476	0.0500	%	95.1	80.0 - 120	Acceptable		
d9THCP	2	0.0303	0.0323	%	93.7	80.0 - 120	Acceptable		
CBT	2	0.0302	0.0314	%	96.3	80.0 - 120	Acceptable		
Method Blank									
Analyte		Result	LOQ	Units		Limits	Evaluation	Notes	
CBDVA		<LOQ	0.00329	%		< 0.00329	Acceptable		
CBDV		<LOQ	0.00329	%		< 0.00329	Acceptable		
CBE		<LOQ	0.00329	%		< 0.00329	Acceptable		
CBD A		<LOQ	0.00329	%		< 0.00329	Acceptable		
CBGA		<LOQ	0.00329	%		< 0.00329	Acceptable		
CBG		<LOQ	0.00329	%		< 0.00329	Acceptable		
CBD		<LOQ	0.00329	%		< 0.00329	Acceptable		
THCV		<LOQ	0.00329	%		< 0.00329	Acceptable		
d8THCV		<LOQ	0.00329	%		< 0.00329	Acceptable		
THCVA		<LOQ	0.00329	%		< 0.00329	Acceptable		
CBN		<LOQ	0.00329	%		< 0.00329	Acceptable		
exo-THC		<LOQ	0.00329	%		< 0.00329	Acceptable		
d9THC		<LOQ	0.00329	%		< 0.00329	Acceptable		
d8THC		<LOQ	0.00329	%		< 0.00329	Acceptable		
9S-d10THC		<LOQ	0.00329	%		< 0.00329	Acceptable		
CBL		<LOQ	0.00329	%		< 0.00329	Acceptable		
9R-d10THC		<LOQ	0.00329	%		< 0.00329	Acceptable		
CBC		<LOQ	0.00329	%		< 0.00329	Acceptable		
THCA		<LOQ	0.00329	%		< 0.00329	Acceptable		
CBGA		<LOQ	0.00329	%		< 0.00329	Acceptable		
CBLA		<LOQ	0.00329	%		< 0.00329	Acceptable		
d9THCP		<LOQ	0.00329	%		< 0.00329	Acceptable		
CBT		<LOQ	0.00329	%		< 0.00329	Acceptable		

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

Units of Measure:
% - Percent



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



Report Number: 23-008423/D002.R000
Report Date: 07/19/2023
ORELAP#: OR100028
Purchase Order: 2558667
Received: 07/17/23 16:05

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

Laboratory Quality Control Results								
JAOAC 2015 V98-6								
Batch ID: 2309237								
Sample Duplicate								
Sample ID: 23-008341-0001								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBDV	0.0385	0.0387	0.00324	%	0.686	< 20	Acceptable	
CBE	0.0621	0.0622	0.00324	%	0.348	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBG	0.0498	0.0504	0.00324	%	1.06	< 20	Acceptable	
CBD	3.39	3.39	0.00324	%	0.0904	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBN	0.0246	0.0248	0.00324	%	0.621	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
d9THC	0.133	0.133	0.00324	%	0.381	< 20	Acceptable	
d8THC	0.0377	0.0394	0.00324	%	4.40	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBL	0.00517	0.00522	0.00324	%	0.882	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBC	0.246	0.247	0.00324	%	0.462	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBT	0.0502	0.0505	0.00324	%	0.536	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
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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.