

CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU LOT.UN20		BATCH # EF35		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 Unscented CBD Lotion		SERVING SIZE 1 tsp					
LABORATORY: Columbia Laboratories		OREGON ACCREDITATION: OR100028					
POTENCY		PER SERVING		PER GRAM		Percent	
Cannabidiol (CBD)		101.47	mg/serving	20.9	mg/g	2.09	%
Total THC (d9-THC, THCA)		3.39	mg/serving	0.70	mg/g	0.07	%
Cannabigerol (CBG)		1.53	mg/serving	0.32	mg/g	0.03	%
Cannabinol (CBN)		<LOQ	mg/serving	<LOQ	mg/g	<LOQ	%
Cannabichromene (CBC)		4.62	mg/serving	0.95	mg/g	0.10	%
Tetrahydrocannabinolic Acid (THCA)		<LOQ	mg/serving	<LOQ	mg/g	<LOQ	%
Delta-9-THC (d9-THC)		3.39	mg/serving	0.70	mg/g	0.07	%
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	3.5	µg/day ^[2]
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				50,000 mg/day	
Heptane		<LOQ				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.

2. US Food and Drug Administration. (2019). Lead in Food, Foodwares, and Dietary Supplements. Washington DC: FDA. US Food and Drug Administration. (2019). Lead in Food, Foodwares, and Dietary Supplements. Washington DC: FDA.



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



Report Number: 22-007204/D002.R000
Report Date: 06/27/2022
ORELAP#: OR100028
Purchase Order:
Received: 06/20/22 16:50

Customer: Etz Hayim Holdings
Product identity: FORM-EF35-Lot.UN20
Client/Metric ID: .
Laboratory ID: 22-007204-0001

Summary

Potency:

Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml†	0.952		mg/1ml		CBD-Total per 1ml 20.9 mg/1ml
CBD per 1ml	20.9		mg/1ml		
CBDV per 1ml†	0.0794		mg/1ml		THC-Total per 1ml 0.698 mg/1ml
CBG per 1ml†	0.316		mg/1ml		
CBT per 1ml†	0.367		mg/1ml		(Reported in milligrams per serving)
Δ9-THC per 1ml	0.698		mg/1ml		

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Less than LOQ for all analytes.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Purchase Order:
Received: 06/20/22 16:50

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

Product identity: FORM-EF35-Lot.UN20

Client/Metric ID: .

Sample Date:

Laboratory ID: 22-007204-0001

Evidence of Cooling: No

Temp: 21.1 °C

Relinquished by: Client

Serving Size #1: 0.985 g

Density: 0.9850 g/ml

Sample Results

Potency per 1ml					
Method J AOAC 2015 V98-6 (mod)Units mg/se Batch: 2205400 Analyze: 6/24/22 3:44:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml [†]	0.952		mg/1ml	0.0316	
CBC-A per 1ml [†]	< LOQ		mg/1ml	0.0316	
CBC-Total per 1ml [†]	0.952		mg/1ml	0.0593	
CBD per 1ml	20.9		mg/1ml	0.316	
CBD-A per 1ml	< LOQ		mg/1ml	0.0316	
CBD-Total per 1ml	20.9		mg/1ml	0.344	
CBDV per 1ml [†]	0.0794		mg/1ml	0.0316	
CBDV-A per 1ml [†]	< LOQ		mg/1ml	0.0316	
CBDV-Total per 1ml [†]	0.0794		mg/1ml	0.0590	
CBE per 1ml [†]	< LOQ		mg/1ml	0.0316	
CBG per 1ml [†]	0.316		mg/1ml	0.0316	
CBG-A per 1ml [†]	< LOQ		mg/1ml	0.0316	
CBG-Total per 1ml [†]	0.316		mg/1ml	0.0590	
CBL per 1ml [†]	< LOQ		mg/1ml	0.0316	
CBL-A per 1ml [†]	< LOQ		mg/1ml	0.0316	
CBL-Total per 1ml [†]	< LOQ		mg/1ml	0.0593	
CBN per 1ml	< LOQ		mg/1ml	0.0316	
CBT per 1ml [†]	0.367		mg/1ml	0.0316	
Δ8-THCV per 1ml [†]	< LOQ		mg/1ml	0.0316	
Δ8-THC per 1ml [†]	< LOQ		mg/1ml	0.0316	
Δ9-THC per 1ml	0.698		mg/1ml	0.0316	
exo-THC per 1ml [†]	< LOQ		mg/1ml	0.0316	
THC-A per 1ml	< LOQ		mg/1ml	0.0316	
THC-Total per 1ml	0.698		mg/1ml	0.0593	
THCV per 1ml [†]	< LOQ		mg/1ml	0.0316	
THCV-A per 1ml [†]	< LOQ		mg/1ml	0.0316	
THCV-Total per 1ml [†]	< LOQ		mg/1ml	0.0593	
Total Cannabinoids per 1ml	23.3		mg/1ml		



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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2205263	06/23/22	AOAC 991.14 (Petrifilm)		X, I
Total Coliforms	< LOQ		cfu/g	10	2205263	06/23/22	AOAC 991.14 (Petrifilm)		X, I
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2205264	06/24/22	AOAC 2014.05 (RAPID)		X, I
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2205264	06/24/22	AOAC 2014.05 (RAPID)		X, I

Solvents

Residual Solvents by GC/MS						Batch 2205363 Analyze 06/23/22 12:40 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-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 ¹	< 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 2205349	Analyze 06/23/22 08:34 AM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes	
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	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		Paclobutrazole	< LOQ	0.40	0.200	pass		
Parathion-Methyl	< LOQ	0.20	0.200	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	0.200	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								



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Received: 06/20/22 16:50

Terpenes	Method J AOAC 2015 V98-6				Units %	Batch 2205437	Analyze 06/24/22	03:06 PM	
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(-)-a-Terpineol†	< LOQ	0.019	0.00%		(-)-caryophyllene oxide†	< LOQ	0.019	0.00%	
(-)-Guaiol†	< LOQ	0.019	0.00%		(-)-Isopulegol†	< LOQ	0.019	0.00%	
(-)-β-Pinene†	< LOQ	0.019	0.00%		(+)-Borneol†	< LOQ	0.019	0.00%	
(+)-Cedrol†	< LOQ	0.019	0.00%		(+)-fenchol†	< LOQ	0.019	0.00%	
(+)-Pulegone†	< LOQ	0.019	0.00%		(±)-Camphor†	< LOQ	0.019	0.00%	
(±)-cis-Nerolidol†	< LOQ	0.019	0.00%		(±)-fenchone†	< LOQ	0.019	0.00%	
(±)-trans-Nerolidol†	< LOQ	0.019	0.00%		(R)-(+)-Limonene†	< LOQ	0.019	0.00%	
a-Bisabolol†	< LOQ	0.019	0.00%		a-cedrene†	< LOQ	0.019	0.00%	
a-phellandrene†	< LOQ	0.019	0.00%		a-pinene†	< LOQ	0.019	0.00%	
a-Terpinene†	< LOQ	0.019	0.00%		Camphene†	< LOQ	0.019	0.00%	
cis-β-Ocimene†	< LOQ	0.006	0.00%		d-3-Carene†	< LOQ	0.019	0.00%	
Eucalyptol†	< LOQ	0.019	0.00%		farnesene†	< LOQ	0.019	0.00%	
gamma-Terpinene†	< LOQ	0.019	0.00%		Geraniol†	< LOQ	0.019	0.00%	
Geranyl acetate†	< LOQ	0.019	0.00%		Humulene†	< LOQ	0.019	0.00%	
Isoborneol†	< LOQ	0.019	0.00%		Linalool†	< LOQ	0.019	0.00%	
Menthol†	< LOQ	0.019	0.00%		nerol†	< LOQ	0.019	0.00%	
p-Cymene†	< LOQ	0.019	0.00%		Sabinene†	< LOQ	0.019	0.00%	
Sabinene hydrate†	< LOQ	0.019	0.00%		β-Caryophyllene†	< LOQ	0.019	0.00%	
β-Myrcene†	< LOQ	0.019	0.00%		Terpinolene†	< LOQ	0.019	0.00%	
trans-β-Ocimene†	< LOQ	0.012	0.00%		valencene†	< LOQ	0.019	0.00%	
Total Terpenes	< LOQ								

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes	
Arsenic	< LOQ	0.200	mg/kg	0.0823	2205344	06/22/22	AOAC 2013.06 (mod.)	pass	X	
Cadmium	< LOQ	0.200	mg/kg	0.0823	2205344	06/22/22	AOAC 2013.06 (mod.)	pass	X	
Lead	< LOQ	0.500	mg/kg	0.0823	2205344	06/22/22	AOAC 2013.06 (mod.)	pass	X	
Mercury	< LOQ	0.100	mg/kg	0.0412	2205344	06/22/22	AOAC 2013.06 (mod.)	pass	X	



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These test results are representative of the individual sample selected and submitted by the client.

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.

† = Analyte not NELAP accredited.

Units of Measure

cfu/g = Colony forming units per gram

g = g

g/ml = Gram per milliliter

µg/g = Microgram per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/1ml = Milligram per 1ml

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

PIXIS Labs
A Tentamus Company

ORELAP ID: OR100028

Field ID		Date/Time Collected	Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E. Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Matrix	Weight	Serving size for edibles	Comments/Metric ID
FORM-EF35-LOT. UN20					X										Topical			Parallel path
FORM-EF35-LOT. UN20			X			X			X	X	X	X			Topical			

Collected By:	Relinquished By:	Date:	Time:	Received by:	Lab Use Only:
☒ Standard (5 day)					Client Alias:
☐ Rush (3-4 day) (1.5x Standard)					Order Number:
☐ Priority Rush (2 day) (2x Standard)					Proper Container
					Sample Condition
					Temperature: 21.1°C
					Shipped Via: Client
					Evidence of cooling: ☐ Yes ☒ No

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM

Revision: 1.02 Control#: CF023
Effective 01/31/2019 Revised 01/31/2019

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Rev s o 3 Docume D 3 20
Legacy D C L C2 Wo ks ee Va da ed 0/30/2020

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662			Units: mg/Kg		Batch ID: 2205349			
Method Blank			Laboratory Control Sample					
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		1.083	1.000	108.3	50.0 150	
Acephate	0.000	< 0.250		0.925	1.000	92.5	60.0 120	
Acetaminophyl	0.000	< 1.000		3.412	4.000	85.3	40.0 160	
Acetamiprid	0.000	< 0.100		0.386	0.400	96.6	60.0 120	
Aldicarb	0.000	< 0.200		0.768	0.800	96.0	60.0 120	
Azoxystrobin	0.000	< 0.100		0.399	0.400	99.8	60.0 120	
Bifenazate	0.000	< 0.100		0.383	0.400	95.8	60.0 120	
Bifenthrin	0.000	< 0.100		0.379	0.400	94.7	50.0 150	
Boscalid	0.000	< 0.200		0.754	0.800	94.2	60.0 120	
Carbaryl	0.000	< 0.100		0.385	0.400	96.1	60.0 120	
Carbofuran	0.000	< 0.100		0.385	0.400	96.4	60.0 120	
Chlorantraniliprole	0.000	< 0.100		0.396	0.400	98.9	60.0 120	
Chlorfenapyr	0.000	< 0.500		1.973	2.000	98.7	60.0 120	
Chlorpyrifos	0.000	< 0.100		0.393	0.400	98.1	60.0 120	
Clofentezine	0.000	< 0.100		0.129	0.400	32.3	60.0 120	Q6
Cyfluthrin	0.000	< 0.500		2.035	2.000	101.7	50.0 150	
Cypermethrin	0.000	< 0.500		1.946	2.000	97.3	50.0 150	
Daminozide	0.000	< 0.500		0.694	2.000	34.7	60.0 120	Q6
Diazinon	0.000	< 0.100		0.404	0.400	101.0	60.0 120	
Dichlorvos	0.000	< 0.500		2.134	2.000	106.7	60.0 120	
Dimethoate	0.000	< 0.100		0.383	0.400	95.9	60.0 120	
Ethoprophos	0.000	< 0.100		0.385	0.400	96.2	60.0 120	
Etofenprox	0.000	< 0.200		0.778	0.800	97.3	50.0 150	
Etoxazole	0.000	< 0.100		0.397	0.400	99.4	60.0 120	
Fenoxycarb	0.000	< 0.100		0.385	0.400	96.3	60.0 120	
Fenpyroximate	0.000	< 0.200		0.801	0.800	100.2	60.0 120	
Fipronil	0.000	< 0.200		0.794	0.800	99.3	60.0 120	
Flonicamid	0.000	< 0.250		0.978	1.000	97.8	60.0 120	
Fludioxonil	0.000	< 0.200		0.764	0.800	95.5	50.0 150	
Hexythiazox	0.000	< 0.250		0.957	1.000	95.7	60.0 120	
Imazalil	0.000	< 0.100		0.316	0.400	78.9	60.0 120	
Imidacloprid	0.000	< 0.200		0.760	0.800	95.0	60.0 120	
Kresoxim methyl	0.000	< 0.200		0.773	0.800	96.6	60.0 120	
Malathion	0.000	< 0.100		0.383	0.400	95.7	60.0 120	
Metaxalyl	0.000	< 0.100		0.381	0.400	95.2	60.0 120	
Methiocarb	0.000	< 0.100		0.386	0.400	96.6	60.0 120	
Methomyl	0.000	< 0.200		0.658	0.800	82.2	60.0 120	
MGK 264	0.000	< 0.100		0.402	0.400	100.4	50.0 150	
Myclobutanil	0.000	< 0.100		0.387	0.400	96.7	60.0 120	
Naled	0.000	< 0.250		0.213	1.000	21.3	50.0 150	Q6
Oxamyl	0.000	< 0.500		1.812	2.000	90.6	60.0 120	
Paclobutrazole	0.000	< 0.200		0.781	0.800	97.6	60.0 120	
Parathion Methyl	0.000	< 0.200		0.636	0.800	79.6	50.0 150	
Permethrin	0.000	< 0.100		0.399	0.400	99.7	50.0 150	
Phosmet	0.000	< 0.100		0.379	0.400	94.8	50.0 150	
Piperonyl butoxide	0.000	< 0.500		1.979	2.000	98.9	60.0 120	
Prallethrin	0.000	< 0.100		0.378	0.400	94.6	60.0 120	
Propiconazole	0.000	< 0.200		0.853	0.800	106.6	60.0 120	
Propoxur	0.000	< 0.100		0.379	0.400	94.8	60.0 120	
Pyrethrin (Summe)	0.000	< 0.100		0.390	0.413	94.4	60.0 120	
Pyridaben	0.000	< 0.100		0.394	0.400	98.6	50.0 150	
Spinosad	0.000	< 0.100		0.402	0.388	103.6	50.0 150	
Spiromesifen	0.000	< 0.100		0.402	0.400	100.4	60.0 120	
Spirotetramat	0.000	< 0.100		0.382	0.400	95.4	60.0 120	
Spiroxamine	0.000	< 0.200		0.769	0.800	96.1	60.0 120	
ebuconazole	0.000	< 0.200		0.765	0.800	95.6	60.0 120	
hiacloprid	0.000	< 0.100		0.385	0.400	96.3	60.0 120	
hiamethoxam	0.000	< 0.100		0.343	0.400	85.6	60.0 120	
rifloxystrobin	0.000	< 0.100		0.387	0.400	96.7	60.0 120	



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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662										
Units: mg/Kg										
Batch ID: 2205349										
Matrix Spike/Matrix Spike Duplicate Recoveries										
Sample ID: 22-007201-0001										
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	1.319	1.442	1.000	8.9%	< 30	131.9%	144.2%	50 150	
Acephate	0.000	1.159	1.193	1.000	2.9%	< 30	115.9%	119.3%	50 150	
Acequinocyl	0.000	10.490	11.753	4.000	11.4%	< 30	262.3%	293.8%	50 150	Q
Acetamidrid	0.000	0.506	0.522	0.400	3.0%	< 30	126.6%	130.4%	50 150	
Aldicarb	0.000	0.923	0.928	0.800	0.6%	< 30	115.4%	116.0%	50 150	
Azoxystrobin	0.000	0.597	0.600	0.400	0.4%	< 30	149.3%	149.9%	50 150	
Bifenazate	0.000	0.503	0.531	0.400	5.4%	< 30	125.8%	132.8%	50 150	
Bifenthrin	0.000	0.917	0.975	0.400	6.1%	< 30	229.3%	243.8%	50 150	Q
Boscalid	0.000	1.104	1.219	0.800	9.8%	< 30	138.0%	152.3%	50 150	Q
Carbaryl	0.000	0.513	0.527	0.400	2.6%	< 30	128.3%	131.6%	50 150	
Carbofuran	0.000	0.564	0.578	0.400	2.5%	< 30	140.9%	144.4%	50 150	
Chlorantraniliprole	0.000	0.425	0.441	0.400	3.8%	< 30	106.2%	110.3%	50 150	
Chlorfenapyr	0.010	3.848	4.047	2.000	5.1%	< 30	191.9%	201.8%	50 150	Q
Chlorpyrifos	0.000	0.534	0.534	0.400	0.1%	< 30	133.4%	133.5%	50 150	
Clofentazine	0.000	0.182	0.221	0.400	19.7%	< 30	45.4%	55.4%	50 150	Q
Cyfluthrin	0.000	1.915	1.978	2.000	3.2%	< 30	95.7%	98.9%	30 150	
Cypermethrin	0.000	2.225	2.340	2.000	5.0%	< 30	111.3%	117.0%	50 150	
Daminozide	0.000	1.023	1.033	2.000	1.0%	< 30	51.2%	51.7%	30 150	
Diazinon	0.000	0.499	0.517	0.400	3.4%	< 30	124.8%	129.1%	50 150	
Dichlorvos	0.000	2.254	2.306	2.000	2.3%	< 30	112.7%	115.3%	50 150	
Dimethoate	0.000	0.492	0.510	0.400	3.6%	< 30	123.0%	127.5%	50 150	
Ethoprophos	0.000	0.508	0.521	0.400	2.6%	< 30	127.0%	130.4%	50 150	
Etofenprox	0.000	1.802	1.883	0.800	4.4%	< 30	225.2%	235.4%	50 150	Q
Etoxazole	0.000	0.812	0.848	0.400	4.3%	< 30	203.1%	212.0%	50 150	Q
Fenoxycarb	0.000	0.461	0.487	0.400	5.6%	< 30	115.3%	121.9%	50 150	
Fenpyroximate	0.000	1.058	1.076	0.800	1.6%	< 30	132.3%	134.5%	50 150	
Fipronil	0.000	1.293	1.297	0.800	0.3%	< 30	161.6%	162.2%	50 150	Q
Fonicamid	0.000	0.876	0.832	1.000	5.2%	< 30	87.6%	83.2%	50 150	
Fludioxonil	0.000	0.757	0.752	0.800	0.7%	< 30	94.6%	94.0%	50 150	
Hexythiazox	0.000	1.928	2.067	1.000	7.0%	< 30	192.8%	206.7%	50 150	Q
Imazalil	0.000	0.485	0.512	0.400	5.5%	< 30	121.2%	128.0%	50 150	
Imidacloprid	0.000	0.589	0.635	0.800	7.5%	< 30	73.7%	79.4%	50 150	
Kresoxim methyl	0.000	1.054	1.103	0.800	4.5%	< 30	131.8%	137.8%	50 150	
Malathion	0.000	0.577	0.598	0.400	3.7%	< 30	144.1%	149.5%	50 150	
Metaxyl	0.000	0.511	0.525	0.400	2.7%	< 30	127.7%	131.3%	50 150	
Methiocarb	0.000	0.457	0.474	0.400	3.6%	< 30	114.3%	118.5%	50 150	
Methomyl	0.000	0.767	0.709	0.800	7.8%	< 30	95.9%	88.6%	50 150	
MGK 264	0.000	0.407	0.433	0.400	6.2%	< 30	101.9%	108.4%	50 150	
Myclobutanil	0.000	0.504	0.530	0.400	5.0%	< 30	126.0%	132.4%	50 150	
Naled	0.000	1.262	1.309	1.000	3.7%	< 30	126.2%	130.9%	50 150	
Oxamyl	0.000	1.952	1.672	2.000	15.5%	< 30	97.6%	83.6%	50 150	
Paclobutrazole	0.000	1.045	1.116	0.800	6.5%	< 30	130.7%	139.5%	50 150	
Parathion Methyl	0.000	1.205	1.077	0.800	11.2%	< 30	150.6%	134.7%	30 150	Q
Permethrin	0.000	0.559	0.593	0.400	5.9%	< 30	139.7%	148.3%	50 150	
Phosmet	0.000	0.550	0.588	0.400	6.7%	< 30	137.4%	146.9%	50 150	
Piperonyl butoxide	0.000	2.585	2.771	2.000	6.9%	< 30	129.3%	138.6%	50 150	
Prallethrin	0.000	0.369	0.391	0.400	5.9%	< 30	92.1%	97.8%	50 150	
Propiconazole	0.067	1.201	1.248	0.800	4.1%	< 30	141.7%	147.6%	50 150	
Propoxur	0.000	0.511	0.537	0.400	5.0%	< 30	127.8%	134.3%	50 150	
Pyrethrin (Summe)	0.000	0.541	0.579	0.413	6.8%	< 30	131.1%	140.3%	50 150	
Pyridaben	0.000	0.823	0.859	0.400	4.2%	< 30	205.8%	214.7%	50 150	Q
Spinosad	0.000	0.546	0.555	0.388	1.5%	< 30	140.8%	143.0%	50 150	
Spiromesifen	0.000	0.839	0.846	0.400	0.8%	< 30	209.8%	211.5%	50 150	Q
Spirotetramat	0.000	0.431	0.451	0.400	4.6%	< 30	107.8%	112.9%	50 150	
Spiroxamine	0.000	0.978	1.011	0.800	3.3%	< 30	122.3%	126.4%	50 150	
ebuconazole	0.000	1.045	1.085	0.800	3.8%	< 30	130.6%	135.6%	50 150	
hiacloprid	0.000	0.506	0.531	0.400	4.8%	< 30	126.5%	132.8%	50 150	
hiamethoxam	0.000	0.344	0.341	0.400	0.8%	< 30	85.9%	85.2%	50 150	
rifloxystrobin	0.000	0.637	0.651	0.400	2.1%	< 30	159.3%	162.7%	50 150	Q



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Laboratory Quality Control Results

Residual Solvents				Batch ID: 2205363					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		515	572	µg/g	90.0	60	120
Isobutane	ND	< 200		720	731	µg/g	98.5	60	120
Butane	ND	< 200		688	731	µg/g	94.1	60	120
2,2 Dimethylpropane	ND	< 200		774	936	µg/g	82.7	60	120
Methanol	ND	< 200		1440	1650	µg/g	87.3	60	120
Ethylene Oxide	ND	< 30		54.9	56.2	µg/g	97.7	60	120
2 Methylbutane	ND	< 200		1390	1620	µg/g	85.8	60	120
Pentane	ND	< 200		1410	1610	µg/g	87.6	60	120
Ethanol	ND	< 200		1390	1620	µg/g	85.8	70	130
Ethyl Ether	ND	< 200		1450	1600	µg/g	90.6	60	120
2,2 Dimethylbutane	ND	< 30		149	167	µg/g	89.2	60	120
Acetone	ND	< 200		1420	1620	µg/g	87.7	60	120
2 Propanol	ND	< 200		1410	1610	µg/g	87.6	60	120
Ethyl Formate	ND	< 500		1210	1620	µg/g	74.7	70	130
Acetonitrile	ND	< 100		554	635	µg/g	87.2	60	120
Methyl Acetate	ND	< 500		1230	1630	µg/g	75.5	70	130
2,3 Dimethylbutane	ND	< 30		126	177	µg/g	71.2	60	120
Dichloromethane	ND	< 60		485	498	µg/g	97.4	60	120
2 Methylpentane	ND	< 30		147	166	µg/g	88.6	60	120
M BE	ND	< 500		1350	1600	µg/g	84.4	70	130
3 Methylpentane	ND	< 30		156	175	µg/g	89.1	60	120
Hexane	ND	< 30		155	174	µg/g	89.1	60	120
1 Propanol	ND	< 500		1110	1620	µg/g	68.5	70	130 Q6
Methyl ethyl ketone	ND	< 500		1180	1600	µg/g	73.8	70	130
Ethyl acetate	ND	< 200		1400	1610	µg/g	87.0	60	120
2 Butanol	ND	< 200		1380	1620	µg/g	85.2	60	120
tetrahydrofuran	ND	< 100		440	507	µg/g	86.8	60	120
Cyclohexane	ND	< 200		1460	1610	µg/g	90.7	60	120
2 methyl 1 propanol	ND	< 500		1290	1640	µg/g	78.7	70	130
Benzene	ND	< 1		4.56	5.22	µg/g	87.4	60	120
Isopropyl Acetate	ND	< 200		1410	1610	µg/g	87.6	60	120
Heptane	ND	< 200		1400	1610	µg/g	87.0	60	120
1 Butanol	ND	< 500		1470	1610	µg/g	91.3	70	130
Propyl Acetate	ND	< 500		1270	1610	µg/g	78.9	70	130
1,4 Dioxane	ND	< 100		459	508	µg/g	90.4	60	120
2 Ethoxyethanol	ND	< 30		151	165	µg/g	91.5	60	120
Methyl isobutyl ketone	ND	< 500		1180	1610	µg/g	73.3	70	130
3 Methyl 1 butanol	ND	< 500		1400	1600	µg/g	87.5	70	130
Ethylene Glycol	ND	< 200		417	492	µg/g	84.8	60	120
oluene	ND	< 100		448	497	µg/g	90.1	60	120
Isobutyl Acetate	ND	< 500		1290	1610	µg/g	80.1	70	130
1 Pentanol	ND	< 500		1340	1600	µg/g	83.8	70	130
Butyl Acetate	ND	< 500		1140	1610	µg/g	70.8	70	130
Ethylbenzene	ND	< 200		874	980	µg/g	89.2	60	120
m,p Xylene	ND	< 200		876	985	µg/g	88.9	60	120
o Xylene	ND	< 200		856	965	µg/g	88.7	60	120
Cumene	ND	< 30		146	168	µg/g	86.9	60	120
Anisole	ND	< 500		1590	1600	µg/g	99.4	70	130
DMSO	ND	< 500		1150	1610	µg/g	71.4	70	130
1,2 dimethoxyethane	ND	< 50		131	165	µg/g	79.4	70	130
triethylamine	ND	< 500		1260	1620	µg/g	77.8	70	130
N,N dimethylformamide	ND	< 150		410	481	µg/g	85.2	70	130
N,N dimethylacetamide	ND	< 150		334	480	µg/g	69.6	70	130 Q6
Pyridine	ND	< 50		164	171	µg/g	95.9	70	130
1,2 Dichloroethane	ND	< 1		0.862	1	µg/g	86.2	70	130
Chloroform	ND	< 1		0.84	1	µg/g	84.0	70	130
richloroethylene	ND	< 1		0.856	1	µg/g	85.6	70	130



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QC - Sample Duplicate

Sample ID: 22-007228-0007

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	
M BE	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	
oluene	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	
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	

Abbreviations

ND None Detected at or above MRL
RPD Relative Percent Difference
LOQ Limit of Quantitation
QC Quality control outside QC limits. Data acceptable based on remaining QC.

Units of Measure:

µg/g Microgram per gram or ppm



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

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2205400**

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	1	0.0323	0.033	%	96.9	80.0 - 120	Acceptable		
CBDV	1	0.0365	0.033	%	110	80.0 - 120	Acceptable		
CBE	1	0.0316	0.033	%	94.8	80.0 - 120	Acceptable		
CBD	1	0.0328	0.033	%	98.4	90.0 - 110	Acceptable		
CBGA	1	0.0310	0.033	%	92.9	80.0 - 120	Acceptable		
CBG	1	0.0315	0.033	%	94.5	80.0 - 120	Acceptable		
CBD	1	0.0336	0.033	%	101	90.0 - 110	Acceptable		
THCV	1	0.0322	0.033	%	96.5	80.0 - 120	Acceptable		
d8THCV	1	0.0341	0.033	%	102	80.0 - 120	Acceptable		
THCVA	1	0.0315	0.033	%	94.4	80.0 - 120	Acceptable		
CBN	1	0.0325	0.033	%	97.4	90.0 - 110	Acceptable		
exo-THC	1	0.0311	0.033	%	93.4	80.0 - 120	Acceptable		
d9THC	1	0.0325	0.033	%	97.6	90.0 - 110	Acceptable		
d8THC	1	0.0318	0.033	%	95.5	80.0 - 120	Acceptable		
CBL	1	0.0303	0.033	%	91.0	80.0 - 120	Acceptable		
CBC	1	0.0332	0.033	%	99.6	80.0 - 120	Acceptable		
THCA	1	0.0308	0.033	%	92.4	90.0 - 110	Acceptable		
CBCA	1	0.0320	0.033	%	96.0	80.0 - 120	Acceptable		
CBLA	1	0.0297	0.033	%	89.1	80.0 - 120	Acceptable		
CBT	1	0.0323	0.033	%	96.9	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	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
d8THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	<LOQ	0.003	%	< 0.003	Acceptable	
d9THC	<LOQ	0.003	%	< 0.003	Acceptable	
d8THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<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 MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent



12423 NE Whitaker Way
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Report Number: 22-007204/D002.R000
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Revision 1 Document D 7148
Legacy D Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2205400								
Sample Duplicate Sample ID: 22-006830-0001-01								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0170	0.0203	0.003	%	17.7	< 20	Acceptable	
CBE	0.0628	0.0712	0.003	%	12.5	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.474	0.530	0.003	%	11.1	< 20	Acceptable	
CBD	3.73	4.13	0.003	%	10.1	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
dBTHCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.0864	0.0963	0.003	%	10.9	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
dBTHC	0.0138	0.0157	0.003	%	13.0	< 20	Acceptable	
CBL	<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	0.0479	0.0523	0.003	%	8.76	< 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 1 Document D 7086
Legacy D CFL-E57Worksheet Validated 11/04/2020

Terpenes Quality Control Results

Method Reference EPA 5035				Batch ID 2205437					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits	Notes
a-pinene	< OQ	< 200		457	500	µg/g	91%	70 - 30	
Camphene	< OQ	< 200		490	500	µg/g	98%	70 - 30	
Sabinene	< OQ	< 200		483	500	µg/g	97%	70 - 30	
b-Pinene	< OQ	< 200		5 5	500	µg/g	103%	70 - 30	
b-Myrcene	< OQ	< 200		458	500	µg/g	92%	70 - 30	
a-phellandrene	< OQ	< 200		56	500	µg/g	112%	70 - 30	
d-3-Carene	< OQ	< 200		473	500	µg/g	95%	70 - 30	
a-Terpinene	< OQ	< 200		385	500	µg/g	77%	70 - 30	
p-Cymene	< OQ	< 200		43	500	µg/g	86%	70 - 30	
D-imonene	< OQ	< 200		425	500	µg/g	85%	70 - 30	
ucalyp ol	< OQ	< 200		492	500	µg/g	98%	70 - 30	
b-cis-OCimene	< OQ	< 67		23	67	µg/g	74%	70 - 30	
b-rans-OCimene	< OQ	< 33		3 5	333	µg/g	95%	70 - 30	
g-Terpinene	< OQ	< 200		430	500	µg/g	86%	70 - 30	
Sabinene Hydra e	< OQ	< 200		475	500	µg/g	95%	70 - 30	
Terpinolene	< OQ	< 200		44	500	µg/g	88%	70 - 30	
D-enchone	< OQ	< 200		472	500	µg/g	94%	70 - 30	
inalool	< OQ	< 200		534	500	µg/g	107%	70 - 30	
enchol	< OQ	< 200		524	500	µg/g	105%	70 - 30	
Camphor	< OQ	< 200		472	500	µg/g	94%	70 - 30	
sopulego	< OQ	< 200		389	500	µg/g	78%	70 - 30	
soborneol	< OQ	< 200		469	500	µg/g	94%	70 - 30	
Borneol	< OQ	< 200		5 9	500	µg/g	104%	70 - 30	
D -Men hol	< OQ	< 200		482	500	µg/g	96%	70 - 30	
Terpineol	< OQ	< 200		5 0	500	µg/g	102%	70 - 30	
Nerol	< OQ	< 200		509	500	µg/g	102%	70 - 30	
Pulegone	< OQ	< 200		489	500	µg/g	98%	70 - 30	
Geraniol	< OQ	< 200		559	500	µg/g	112%	70 - 30	
Geranyl Ace a e	< OQ	< 200		502	500	µg/g	100%	70 - 30	
a-Cedrene	< OQ	< 200		520	500	µg/g	104%	70 - 30	
b-Caryophyllene	< OQ	< 200		488	500	µg/g	98%	70 - 30	
a-Humulene	< OQ	< 200		479	500	µg/g	96%	70 - 30	
Valenene	< OQ	< 200		425	500	µg/g	85%	70 - 30	
cis-Nerolidol	< OQ	< 200		475	500	µg/g	95%	70 - 30	
a-arnesene	< OQ	< 200		548	500	µg/g	110%	70 - 30	
rans-Nerolidol	< OQ	< 200		468	500	µg/g	94%	70 - 30	
Caryophyllene Oxide	< OQ	< 200		459	500	µg/g	92%	70 - 30	
Guaiol	< OQ	< 200		5 9	500	µg/g	104%	70 - 30	
Cedrol	< OQ	< 200		489	500	µg/g	98%	70 - 30	
a-Bisabolol	< OQ	< 200		5 0	500	µg/g	102%	70 - 30	

Definitions

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



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Revision 1 Document D 7086
Legacy D CFL-E57Worksheet Validated 11/04/2020

Terpenes Quality Control Results

Method Reference EPA 5035			Batch ID 2205437				
Sample/Sample Duplicate			Sample ID 22-007204-0001				
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	< OQ	< OQ	92	µg/g	0%	< 20	
Camphene	< OQ	< OQ	92	µg/g	0%	< 20	
Sabinene	< OQ	< OQ	92	µg/g	0%	< 20	
b-Pinene	< OQ	< OQ	92	µg/g	0%	< 20	
b-Myrcene	< OQ	< OQ	92	µg/g	0%	< 20	
a-phellandrene	< OQ	< OQ	92	µg/g	0%	< 20	
d-3-Carene	< OQ	< OQ	92	µg/g	0%	< 20	
a-Terpinene	< OQ	< OQ	92	µg/g	0%	< 20	
p-Cymene	< OQ	< OQ	92	µg/g	0%	< 20	
D-imonene	< OQ	< OQ	92	µg/g	0%	< 20	
α-caryophyllol	< OQ	< OQ	92	µg/g	0%	< 20	
b-cis-Ocimene	< OQ	< OQ	63.9	µg/g	0%	< 20	
b-trans-Ocimene	< OQ	< OQ	28	µg/g	0%	< 20	
g-Terpinene	< OQ	< OQ	92	µg/g	0%	< 20	
Sabinene hydrate	< OQ	< OQ	92	µg/g	0%	< 20	
Terpinolene	< OQ	< OQ	92	µg/g	0%	< 20	
D-enchone	< OQ	< OQ	92	µg/g	0%	< 20	
α-terpineol	< OQ	< OQ	92	µg/g	0%	< 20	
α-terpineol	< OQ	< OQ	92	µg/g	0%	< 20	
Camphor	< OQ	< OQ	92	µg/g	0%	< 20	
α-pulegone	< OQ	< OQ	92	µg/g	0%	< 20	
α-borneol	< OQ	< OQ	92	µg/g	0%	< 20	
Borneol	< OQ	< OQ	92	µg/g	0%	< 20	
D-Menthol	< OQ	< OQ	92	µg/g	0%	< 20	
Terpineol	< OQ	< OQ	92	µg/g	0%	< 20	
Nerol	< OQ	< OQ	92	µg/g	0%	< 20	
Pulegone	< OQ	< OQ	92	µg/g	0%	< 20	
Geraniol	< OQ	< OQ	92	µg/g	0%	< 20	
Geranyl acetate	< OQ	< OQ	92	µg/g	0%	< 20	
α-Cedrene	< OQ	< OQ	92	µg/g	0%	< 20	
b-Caryophyllene	< OQ	< OQ	92	µg/g	0%	< 20	
α-Humulene	< OQ	< OQ	92	µg/g	0%	< 20	
Valenene	< OQ	< OQ	92	µg/g	0%	< 20	
cis-Nerolidol	< OQ	< OQ	92	µg/g	0%	< 20	
α-Bisabolene	< OQ	< OQ	92	µg/g	0%	< 20	
trans-Nerolidol	< OQ	< OQ	92	µg/g	0%	< 20	
Caryophyllene oxide	< OQ	< OQ	92	µg/g	0%	< 20	
Guaiol	< OQ	< OQ	92	µg/g	0%	< 20	
Cedrol	< OQ	< OQ	92	µg/g	0%	< 20	
α-Bisabolol	< OQ	< OQ	92	µg/g	0%	< 20	

Definitions

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.