Lazarus Naturals

CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU CRM.SKR20 **BATCH #** EI45

PRODUCT NAME CBD Skin Repair Cream **SERVING SIZE** 1 tsp (~4.16g)

LABORATORY: Columbia Laboratories **OREGON ACCREDITATION:** OR100028

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

POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	**108.89 mg/serving**	26.2 mg/g	2.62 %
Total THC (d9-THC, THCA)	**3.50 mg/serving**	0.84 mg/g	0.08 %
Cannabigerol (CBG)	**4.70 mg/serving**	1.13 mg/g	0.11 %
Cannabinol (CBN)	**0.13 mg/serving**	0.03 mg/g	0.00 %
Cannabichromene (CBC)	**3.19 mg/serving**	0.77 mg/g	0.08 %
Tetrahydrocannabinolic Acid (THCA)	**<LOQ mg/serving**	<LOQ mg/g	<LOQ %
Delta-9-THC (d9-THC)	**3.50 mg/serving**	0.84 mg/g	0.08 %
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 the regulatory action level in the sample.	10 ppb [1]

RESIDUAL SOLVENTS	Results		REGULATORY ACTION LEVEL
Ethanol	3230	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.
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.

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-012040/D004.R001
Report Date: 10/19/2022
ORELAP#: OR100028
Purchase Order:
Received: 10/05/22 15:38

This is an amended version of report# 22-012040/D004.R000.
Reason: Sample re-extracted for potency.

Customer: Etz Hayim Holdings
Product identity: FORM-CRM.SKR20-EI45
Client/Metrc ID: .
Laboratory ID: 22-012040-0001

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status
CBC per 1g	0.767		mg/1g	
CBD per 1g	26.2		mg/1g	
CBDV per 1g	0.112		mg/1g	
CBG per 1g	1.13		mg/1g	
CBN per 1g	0.0323		mg/1g	
CBT per 1g	0.375		mg/1g	
Δ9-THC per 1g	0.842		mg/1g	

CBD-Total per Serving Size 26.2 mg/1g

THC-Total per Serving Size 0.842 mg/1g

(Reported in milligrams per serving)

Residual Solvents:

Analyte	Result (µg/g)	Limits (µg/g)	Status
Ethanol¥	3230		

Pesticides:

Analyte	Result (mg/kg)	Limits (mg/kg)	Status
Diazinon¥	0.11	0.20	pass

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

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Testing in accordance with: OAR 333-007-0430

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-012040/D004.R001
Report Date: 10/19/2022
ORELAP#: OR100028
Purchase Order:
Received: 10/05/22 15:38

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

Product identity: FORM-CRM.SKR20-EI45
Client/Metrc ID: .
Sample Date:
Laboratory ID: 22-012040-0001
Evidence of Cooling: No
Temp: 22.3
Relinquished by: client
Serving Size #1: 1 g
Serving Size #1: 1 g

Sample Results

Potency per 1g **Method:** J AOAC 2015 V98-6 (mod) **Units** mg/se **Batch:** 2208869 **Analyze:** 10/17/22 9:22:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	0.767		mg/1g	0.0322	
CBC-A per 1g	< LOQ		mg/1g	0.0322	
CBC-Total per 1g	0.767		mg/1g	0.0604	
CBD per 1g	26.2		mg/1g	0.322	
CBD-A per 1g	< LOQ		mg/1g	0.0322	
CBD-Total per 1g	26.2		mg/1g	0.350	
CBDV per 1g	0.112		mg/1g	0.0322	
CBDV-A per 1g	< LOQ		mg/1g	0.0322	
CBDV-Total per 1g	0.112		mg/1g	0.0601	
CBE per 1g	< LOQ		mg/1g	0.0322	
CBG per 1g	1.13		mg/1g	0.0322	
CBG-A per 1g	< LOQ		mg/1g	0.0322	
CBG-Total per 1g	1.13		mg/1g	0.0601	
CBL per 1g	< LOQ		mg/1g	0.0322	
CBL-A per 1g	< LOQ		mg/1g	0.0322	
CBL-Total per 1g	< LOQ		mg/1g	0.0604	
CBN per 1g	0.0323		mg/1g	0.0322	
CBT per 1g	0.375		mg/1g	0.0322	
Δ8-THCV per 1g	< LOQ		mg/1g	0.0322	
Δ10-THC per 1g	< LOQ		mg/1g	0.0322	
Δ8-THC per 1g	< LOQ		mg/1g	0.0322	
Δ9-THC per 1g	0.842		mg/1g	0.0322	
exo-THC per 1g	< LOQ		mg/1g	0.0322	
THC-A per 1g	< LOQ		mg/1g	0.0322	
THC-Total per 1g	0.842		mg/1g	0.0604	
THCV per 1g	< LOQ		mg/1g	0.0322	
THCV-A per 1g	< LOQ		mg/1g	0.0322	
THCV-Total per 1g	< LOQ		mg/1g	0.0604	
Total Cannabinoids per 1g	29.5		mg/1g		

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ORELAP#: OR100028
Purchase Order:
Received: 10/05/22 15:38

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2208478	10/09/22	AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2208478	10/09/22	AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2208479	10/10/22	AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2208479	10/10/22	AOAC 2014.05 (RAPID)		

Solvents

Method: Residual Solvents by GC/MS **Units** µg/g **Batch** 2208606 **Analyze** 10/11/22 10:15 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-Dimethy butane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200		
2,3-Dimethy 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¥	3230		200		E
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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Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

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Portland, OR 97230
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Report Number: 22-012040/D004.R001
Report Date: 10/19/2022
ORELAP#: OR100028
Purchase Order:
Received: 10/05/22 15:38

Pesticides

Method: AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2208602 **Analyze** 10/11/22 09:24 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¥	0.11	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							

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.0912	2208587	10/10/22	AOAC 2013.06 (mod.)	pass	
Cadmium	< LOQ	0.200	mg/kg	0.0912	2208587	10/10/22	AOAC 2013.06 (mod.)	pass	
Lead	< LOQ	0.500	mg/kg	0.0912	2208587	10/10/22	AOAC 2013.06 (mod.)	pass	
Mercury	< LOQ	0.100	mg/kg	0.0456	2208587	10/10/22	AOAC 2013.06 (mod.)	pass	

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Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

Columbia LABORATORIES
A Tentamus Company

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

Report Number:	22-012040/D004.R001
Report Date:	10/19/2022
ORELAP#:	OR100028
Purchase Order:	
Received:	10/05/22 15:38

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.

¥ = 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

E: Analyte concentration exceeds the calibration range, results are estimated.

Approved Signatory

Derrick Tanner
General Manager

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

Report Number: 22-012040/D004.R001
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ETZHAYIM 22-012040

Etz Hayim Holdings

PIXIS Labs
A Tentamus Company

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

Cannabis Chain of Custody Recc

[redacted]

ID: OR100028

Purchase Order Number:
Project Number:
Project Name:

☐ Report Instructions:
☐ Send to State - METRC
☑ Email Final Results:
☐ Fax Final Results
☐ Cash/Check/CC/Net 30
Other:

Analysis Requested

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/Metrc ID
FORM-CRM.SKR20-EI45			X		X	X				X	X	X			Topical		mg/g	Parallel Path
RM-VITEOIL-VA1000210824			X			X				X	X	X						LazNat Discount
CYCL-GMY.D9.PF10-EI40			X		X	X				X	X	X			Edible		mg/g	Parallel Path
CYCL-GMY.D9.PF10-EI33			X		X	X				X	X	X			Edible		mg/g	Parallel Path

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time
☑Standard (5 day)	[redacted]					
☐Rush (3-4 day) (1.5x Standard)						
☐Priority Rush (2 day) (2x Standard)						

Lab Use Only:
Client Alias:
Order Number:
Proper Container
Sample Condition
Temperature: 22.3
Shipped Via: client dropoff
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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Page 1 of 2

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Report Number: 22-012040/D004.R001
Report Date: 10/19/2022
ORELAP#: OR100028
Purchase Order:
Received: 10/05/22 15:38

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

Laboratory Pesticide Quality Control Results

AOAC2007.1 &EN 15662			Units: mg/Kg						Batch ID: 2208602	
Method Blank				Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Re	Limits			Notes
Abamectin	0.000	< 0.250		0.859	1.000	85.9	50.0	150		
Acephate	0.000	< 0.250		1.052	1.000	105.2	60.0	120		
Acequinocyl	0.000	< 1.000		4.204	4.000	105.1	40.0	160		
Acetamiprid	0.000	< 0.100		0.386	0.400	96.4	60.0	120		
Aldicarb	0.000	< 0.200		0.872	0.800	109.0	60.0	120		
Azoxystrobin	0.000	< 0.100		0.365	0.400	91.2	60.0	120		
Bifenazate	0.000	< 0.100		0.372	0.400	93.0	60.0	120		
Bifenthrin	0.000	< 0.100		0.434	0.400	108.4	50.0	150		
Boscalid	0.000	< 0.200		0.775	0.800	96.8	60.0	120		
Carbaryl	0.000	< 0.100		0.388	0.400	96.9	60.0	120		
Carbofuran	0.000	< 0.100		0.396	0.400	98.9	60.0	120		
Chlorantraniliprole	0.000	< 0.100		0.315	0.400	78.8	60.0	120		
Chlorfenapyr	0.000	< 0.500		1.712	2.000	85.6	60.0	120		
Chlorpyrifos	0.000	< 0.100		0.345	0.400	86.1	60.0	120		
Clofentezine	0.000	< 0.100		0.107	0.400	26.7	60.0	120		Q6
Cyfluthrin	0.000	< 0.500		2.197	2.000	109.9	50.0	150		
Cypermethrin	0.000	< 0.500		2.301	2.000	115.0	50.0	150		
Daminozide	0.000	< 0.500		0.733	2.000	36.6	60.0	120		Q6
Diazinon	0.000	< 0.100		0.373	0.400	93.2	60.0	120		
Dichlorvos	0.000	< 0.500		1.938	2.000	96.9	60.0	120		
Dimethoate	0.000	< 0.100		0.390	0.400	97.6	60.0	120		
Ethoprophos	0.000	< 0.100		0.404	0.400	101.0	60.0	120		
Etofenprox	0.000	< 0.200		0.834	0.800	104.2	50.0	150		
Etoxazole	0.000	< 0.100		0.439	0.400	109.6	60.0	120		
Fenoxycarb	0.000	< 0.100		0.364	0.400	91.0	60.0	120		
Fenpyroximate	0.000	< 0.200		0.781	0.800	97.6	60.0	120		
Fipronil	0.000	< 0.200		0.791	0.800	98.9	60.0	120		
Flonicamid	0.000	< 0.250		1.228	1.000	122.8	60.0	120		Q1
Fludioxonil	0.000	< 0.200		0.856	0.800	107.0	50.0	150		
Hexythiazox	0.000	< 0.250		0.987	1.000	98.7	60.0	120		
Imazalil	0.000	< 0.100		0.374	0.400	93.5	60.0	120		
Imidacloprid	0.000	< 0.200		0.801	0.800	100.1	60.0	120		
Kresoxim-methyl	0.000	< 0.200		0.675	0.800	84.4	60.0	120		
Malathion	0.000	< 0.100		0.378	0.400	94.5	60.0	120		
Metalaxyl	0.000	< 0.100		0.397	0.400	99.2	60.0	120		
Methiocarb	0.000	< 0.100		0.377	0.400	94.2	60.0	120		
Methomyl	0.000	< 0.200		0.792	0.800	99.0	60.0	120		
MGK-264	0.000	< 0.100		0.421	0.400	105.4	50.0	150		
Myclobutanil	0.000	< 0.100		0.335	0.400	83.7	60.0	120		
Naled	0.000	< 0.250		0.875	1.000	87.5	50.0	150		
Oxamyl	0.000	< 0.500		1.885	2.000	94.3	60.0	120		
Paclobutrazole	0.000	< 0.200		0.779	0.800	97.4	60.0	120		
Parathion-Methyl	0.000	< 0.200		1.070	0.800	133.7	50.0	150		
Permethrin	0.000	< 0.100		0.460	0.400	114.9	50.0	150		
Phosmet	0.000	< 0.100		0.379	0.400	94.7	50.0	150		
Piperonyl butoxide	0.000	< 0.500		1.951	2.000	97.5	60.0	120		
Prallethrin	0.000	< 0.100		0.369	0.400	92.3	60.0	120		
Propiconazole	0.000	< 0.200		0.698	0.800	87.3	60.0	120		
Propoxur	0.000	< 0.100		0.412	0.400	103.1	60.0	120		
Pyrethrin (Summe)	0.000	< 0.100		0.398	0.413	96.5	60.0	120		
Pyridaben	0.000	< 0.100		0.397	0.400	99.2	50.0	150		
Spinosad	0.000	< 0.100		0.355	0.388	91.5	50.0	150		
Spiromesifen	0.000	< 0.100		0.374	0.400	93.6	60.0	120		
Spirotetramat	0.000	< 0.100		0.348	0.400	87.1	60.0	120		
Spiroxamine	0.000	< 0.200		0.729	0.800	91.1	60.0	120		
Tebuconazole	0.000	< 0.200		0.723	0.800	90.4	60.0	120		
Thiacloprid	0.000	< 0.100		0.380	0.400	95.1	60.0	120		
Thiamethoxam	0.000	< 0.100		0.399	0.400	99.8	60.0	120		
Trifloxystrobin	0.000	< 0.100		0.378	0.400	94.6	60.0	120		

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Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-012040/D004.R001
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Laboratory Pesticide Quality Control Results

AOAC2007.1 &EN 15662 | Units: mg/Kg | Batch ID: 2208602
Matrix Spike/Matrix Spike Duplicate Recoveries | Sample ID: 22-012140001

Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Re	MSD % Re	Limits	Notes
Abamectin	0.000	0.868	0.874	1.000	0.8%	< 30	86.8%	87.4%	50 - 150	
Acephate	0.066	1.332	1.436	1.000	7.9%	< 30	126.6%	136.9%	50 - 150	
Acequinocyl	0.000	4.282	4.287	4.000	0.6%	< 30	106.5%	107.2%	50 - 150	
Acetamiprid	0.000	0.434	0.435	0.400	0.1%	< 30	108.5%	108.7%	50 - 150	
Aldicarb	0.000	1.160	1.143	0.800	1.5%	< 30	145.0%	142.8%	50 - 150	
Azoxystrobin	0.000	0.474	0.451	0.400	4.8%	< 30	118.4%	112.9%	50 - 150	
Bifenazate	0.000	0.416	0.425	0.400	2.1%	< 30	104.0%	106.2%	50 - 150	
Bifenthrin	0.000	0.432	0.432	0.400	0.1%	< 30	108.0%	107.9%	50 - 150	
Boscalid	0.000	0.839	0.892	0.800	6.2%	< 30	104.8%	111.5%	50 - 150	
Carbaryl	0.000	0.604	0.609	0.400	0.8%	< 30	151.1%	152.3%	50 - 150	Q
Carbofuran	0.000	0.528	0.505	0.400	4.5%	< 30	132.1%	126.3%	50 - 150	
Chlorantraniliprole	0.000	0.385	0.388	0.400	0.8%	< 30	96.3%	97.1%	50 - 150	
Chlorfenapyr	0.000	2.216	2.172	2.000	2.0%	< 30	110.8%	108.6%	50 - 150	
Chlorpyrifos	0.008	0.400	0.399	0.400	0.5%	< 30	98.0%	97.5%	50 - 150	
Clofentezine	0.000	0.363	0.333	0.400	8.6%	< 30	90.8%	83.3%	50 - 150	
Cyfluthrin	0.000	2.174	2.252	2.000	3.6%	< 30	108.7%	112.6%	30 - 150	
Cypermethrin	0.000	2.284	2.313	2.000	1.3%	< 30	114.2%	115.7%	50 - 150	
Daminozide	0.000	1.517	1.574	2.000	3.7%	< 30	75.9%	78.7%	30 - 150	
Diazinon	0.000	0.448	0.464	0.400	3.5%	< 30	112.0%	116.0%	50 - 150	
Dichlorvos	0.000	2.399	2.394	2.000	0.2%	< 30	119.9%	119.7%	50 - 150	
Dimethoate	0.000	0.477	0.481	0.400	0.8%	< 30	119.4%	120.4%	50 - 150	
Ethoprophos	0.000	0.444	0.451	0.400	1.7%	< 30	111.0%	112.9%	50 - 150	
Etofenprox	0.000	0.943	0.937	0.800	0.6%	< 30	117.8%	117.2%	50 - 150	
Etoxazole	0.000	0.504	0.510	0.400	1.1%	< 30	126.0%	127.4%	50 - 150	
Fenoxycarb	0.000	0.491	0.494	0.400	0.5%	< 30	122.8%	123.4%	50 - 150	
Fenpyroximate	0.000	0.855	0.868	0.800	1.5%	< 30	106.8%	108.5%	50 - 150	
Fipronil	0.000	1.320	1.343	0.800	1.7%	< 30	165.0%	167.8%	50 - 150	Q
Flonicamid	0.000	1.030	1.190	1.000	14.5%	< 30	103.0%	119.0%	50 - 150	
Fludioxonil	0.000	0.898	0.924	0.800	3.1%	< 30	112.0%	115.6%	50 - 150	
Hexythiazox	0.000	0.721	0.726	1.000	0.7%	< 30	72.1%	72.6%	50 - 150	
Imazalil	0.000	0.533	0.523	0.400	1.8%	< 30	133.2%	130.9%	50 - 150	
Imidacloprid	0.000	0.525	0.533	0.800	1.6%	< 30	65.6%	66.7%	50 - 150	
Kresoxim-methyl	0.000	0.815	0.841	0.800	3.1%	< 30	101.9%	105.2%	50 - 150	
Malathion	0.000	0.419	0.428	0.400	2.1%	< 30	104.8%	107.0%	50 - 150	
Metalaxyl	0.000	0.472	0.474	0.400	0.4%	< 30	117.9%	118.5%	50 - 150	
Methiocarb	0.000	0.446	0.442	0.400	0.7%	< 30	111.2%	110.4%	50 - 150	
Methomyl	0.000	0.819	0.888	0.800	8.1%	< 30	102.3%	110.9%	50 - 150	
MGK-264	0.000	0.553	0.487	0.400	12.7%	< 30	138.2%	121.7%	50 - 150	
Myclobutanil	0.000	0.371	0.375	0.400	1.0%	< 30	92.8%	93.7%	50 - 150	
Naled	0.000	1.198	1.189	1.000	0.3%	< 30	119.3%	118.9%	50 - 150	
Oxamyl	0.000	1.911	2.102	2.000	9.5%	< 30	95.6%	105.1%	50 - 150	
Padobutrazole	0.000	0.887	0.908	0.800	2.3%	< 30	110.9%	113.5%	50 - 150	
Parathion-Methyl	0.000	1.615	1.412	0.800	13.4%	< 30	201.9%	176.5%	30 - 150	Q
Permethrin	0.000	0.501	0.505	0.400	0.7%	< 30	125.4%	126.3%	50 - 150	
Phosmet	0.000	0.392	0.404	0.400	3.0%	< 30	97.9%	100.9%	50 - 150	
Piperonyl butoxide	0.000	2.412	2.345	2.000	2.8%	< 30	120.6%	117.3%	50 - 150	
Prallethrin	0.000	0.428	0.414	0.400	3.4%	< 30	107.0%	103.4%	50 - 150	
Propiconazole	0.000	0.848	0.856	0.800	1.0%	< 30	106.0%	107.1%	50 - 150	
Propoxur	0.000	0.524	0.536	0.400	2.1%	< 30	131.1%	133.9%	50 - 150	
Pyrethrin (Summe)	0.003	0.450	0.449	0.413	0.2%	< 30	108.2%	108.0%	50 - 150	
Pyridaben	0.000	0.472	0.474	0.400	0.5%	< 30	118.0%	118.5%	50 - 150	
Spinosad	0.000	0.449	0.444	0.388	1.1%	< 30	115.7%	114.4%	50 - 150	
Spiromesifen	0.000	0.460	0.453	0.400	1.6%	< 30	115.0%	113.1%	50 - 150	
Spirotetramat	0.000	0.359	0.375	0.400	4.4%	< 30	89.8%	93.9%	50 - 150	
Spiroxamine	0.000	0.927	0.945	0.800	2.0%	< 30	115.8%	118.2%	50 - 150	
Tebuconazole	0.000	0.847	0.847	0.800	0.0%	< 30	105.9%	105.8%	50 - 150	
Thiadoprid	0.000	0.535	0.531	0.400	0.7%	< 30	133.7%	132.8%	50 - 150	
Thiamethoxam	0.024	0.335	0.368	0.400	10.3%	< 30	77.8%	86.2%	50 - 150	
Trifloxystrobin	0.000	0.458	0.434	0.400	4.4%	< 30	113.4%	108.4%	50 - 150	

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Laboratory Quality Control Results

Residual Solvents — Batch ID: 2208606

Method Blank					Laboratory Control Sample						
Analyte	Result		LOQ	Notes	Result	Spike	Units	% Rec	Limits		Notes
Propane	ND	<	200		485	572	µg/g	84.8	60	- 120	
Isobutane	ND	<	200		576	731	µg/g	78.8	60	- 120	
Butane	ND	<	200		566	731	µg/g	77.4	60	- 120	
2,2-Dimethylpropane	ND	<	200		861	936	µg/g	92.0	60	- 120	
Methanol	ND	<	200		1620	1650	µg/g	98.2	60	- 120	
Ethylene Oxide	ND	<	30		50.9	56.2	µg/g	90.6	60	- 120	
2-Methylbutane	ND	<	200		1580	1650	µg/g	95.8	60	- 120	
Pentane	ND	<	200		1540	1650	µg/g	93.3	60	- 120	
Ethanol	ND	<	200		1540	1660	µg/g	92.8	70	- 130	
Ethyl Ether	ND	<	200		1450	1630	µg/g	89.0	60	- 120	
2,2-Dimethylbutane	ND	<	30		171	189	µg/g	90.5	60	- 120	
Acetone	ND	<	200		1580	1650	µg/g	95.8	60	- 120	
2-Propanol	ND	<	200		1580	1650	µg/g	95.8	60	- 120	
Ethyl Formate	ND	<	500		1290	1610	µg/g	80.1	70	- 130	
Acetonitrile	ND	<	100		446	504	µg/g	88.5	60	- 120	
Methyl Acetate	ND	<	500		1590	1630	µg/g	97.5	70	- 130	
2,3-Dimethylbutane	ND	<	30		162	174	µg/g	93.1	60	- 120	
Dichloromethane	ND	<	60		432	521	µg/g	82.9	60	- 120	
2-Methylpentane	ND	<	30		158	187	µg/g	84.5	60	- 120	
MTBE	ND	<	500		1460	1600	µg/g	91.3	70	- 130	
3-Methylpentane	ND	<	30		167	188	µg/g	88.8	60	- 120	
Hexane	ND	<	30		160	182	µg/g	87.9	60	- 120	
1-Propanol	ND	<	500		1490	1610	µg/g	92.5	70	- 130	
Methylethylketone	ND	<	500		1510	1600	µg/g	94.4	70	- 130	
Ethyl acetate	ND	<	200		1430	1630	µg/g	87.7	60	- 120	
2-Butanol	ND	<	200		1450	1630	µg/g	89.0	60	- 120	
Tetrahydrofuran	ND	<	100		420	508	µg/g	83.0	60	- 120	
Cyclohexane	ND	<	200		1380	1640	µg/g	84.1	60	- 120	
2-methyl-1-propanol	ND	<	500		1360	1620	µg/g	84.0	70	- 130	
Benzene	ND	<	1		3.9	4.93	µg/g	79.1	60	- 120	
Isopropyl Acetate	ND	<	200		1460	1640	µg/g	89.0	60	- 120	
Heptane	ND	<	200		1400	1630	µg/g	85.9	60	- 120	
1-Butanol	ND	<	500		1400	1600	µg/g	87.5	70	- 130	
Propyl Acetate	ND	<	500		1460	1620	µg/g	90.1	70	- 130	
1,4-Dioxane	ND	<	100		391	493	µg/g	79.3	60	- 120	
2-Ethoxyethanol	ND	<	30		151	171	µg/g	88.3	60	- 120	
Methylisobutylketone	ND	<	500		1410	1620	µg/g	87.0	70	- 130	
3-Methyl-1-butanol	ND	<	500		1400	1610	µg/g	87.0	70	- 130	
Ethylene Glycol	ND	<	200		380	494	µg/g	76.9	60	- 120	
Toluene	ND	<	100		378	506	µg/g	74.7	60	- 120	
Isobutyl Acetate	ND	<	500		1450	1620	µg/g	89.5	70	- 130	
1-Pentanol	ND	<	500		1420	1610	µg/g	88.2	70	- 130	
Butyl Acetate	ND	<	500		1430	1610	µg/g	88.8	70	- 130	
Ethylbenzene	ND	<	200		728	996	µg/g	73.1	60	- 120	
m,p-Xylene	ND	<	200		737	1010	µg/g	73.0	60	- 120	
o-Xylene	ND	<	200		709	979	µg/g	72.4	60	- 120	
Cumene	ND	<	30		133	188	µg/g	70.7	60	- 120	
Anisole	ND	<	500		1080	1610	µg/g	67.1	70	- 130	Q6
DMSO	ND	<	500		1070	1600	µg/g	66.9	70	- 130	Q6
1,2-dimethoxyethane	ND	<	50		173	190	µg/g	91.1	70	- 130	
Triethylamine	ND	<	500		1400	1610	µg/g	87.0	70	- 130	
N,N-dimethylformamide	ND	<	150		388	496	µg/g	78.2	70	- 130	
N,N-dimethylacetamide	ND	<	150		364	483	µg/g	75.4	70	- 130	
Pyridine	ND	<	50		126	167	µg/g	75.4	70	- 130	
1,2-Dichloroethane	ND	<	1		1.2	1	µg/g	120.0	70	- 130	
Chloroform	ND	<	1		1.16	1	µg/g	116.0	70	- 130	
Trichloroethylene	ND	<	1		1.16	1	µg/g	116.0	70	- 130	
1,1-Dichloroethane	ND	<	1		1.18	1	µg/g	118.0	70	- 130	

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QC- Sample Duplicate — Sample ID: 22-011454-0004

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	
Pertane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethanol	689	698	200	µg/g	1.3	< 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	
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
Q6- Quality control outside QClimits. Data acceptable basedon remaining QC.

Units of Measure:

µg/g- Microgram per gram or ppm

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A Tentamus Company

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Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2208627**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0370	0.034	%	107	80.0 - 120	Acceptable	
CBDV	2	0.0389	0.037	%	107	80.0 - 120	Acceptable	
CBE	2	0.0373	0.035	%	107	80.0 - 120	Acceptable	
CBDA	1	0.0321	0.033	%	95.9	90.0 - 110	Acceptable	
CBGA	1	0.0324	0.034	%	96.5	80.0 - 120	Acceptable	
CBG	1	0.0335	0.034	%	97.7	80.0 - 120	Acceptable	
CBD	1	0.0331	0.034	%	96.7	90.0 - 110	Acceptable	
THCV	2	0.0401	0.038	%	107	80.0 - 120	Acceptable	
d8THCV	2	0.0392	0.037	%	107	80.0 - 120	Acceptable	
THCVA	2	0.0359	0.034	%	107	80.0 - 120	Acceptable	
CBN	1	0.0333	0.034	%	98.9	90.0 - 110	Acceptable	
exo-THC	2	0.0360	0.034	%	105	80.0 - 120	Acceptable	
d9THC	1	0.0339	0.035	%	98.3	90.0 - 110	Acceptable	
d8THC	1	0.0355	0.033	%	106	90.0 - 110	Acceptable	
CBL	2	0.0358	0.033	%	109	80.0 - 120	Acceptable	
d10THC	1	0.0309	0.032	%	96.9	80.0 - 120	Acceptable	
CBC	2	0.0387	0.036	%	107	80.0 - 120	Acceptable	
THCA	1	0.0318	0.033	%	96.0	90.0 - 110	Acceptable	
CBCA	2	0.0374	0.035	%	106	80.0 - 120	Acceptable	
CBLA	2	0.0199	0.019	%	106	80.0 - 120	Acceptable	
CBT	2	0.0399	0.037	%	107	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	
CBDA	<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	
d10THC	<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

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Laboratory Quality Control Results

J AOAC 2015 V98-6					Batch ID: 2208627			
Sample Duplicate					Sample ID: 22-012040-0001			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0106	0.0098	0.003	%	8.46	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.101	0.0920	0.003	%	9.12	< 20	Acceptable	
CBD	2.23	2.04	0.003	%	8.64	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.0758	0.0692	0.003	%	9.12	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.0701	0.0637	0.003	%	9.43	< 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	0.0346	0.0319	0.003	%	8.08	< 20	Acceptable	

Abbreviations

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

Units of Measure:

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Laboratory Quality Control Results

JAOAC2015 V986 Batch ID: 2208869

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0334	0.034	%	99.3	80.0 - 120	Acceptable	
CBDV	2	0.0368	0.037	%	101	80.0 - 120	Acceptable	
CBE	2	0.0331	0.034	%	97.1	80.0 - 120	Acceptable	
CBDA	1	0.0349	0.033	%	104	90.0 - 110	Acceptable	
CBGA	1	0.0349	0.034	%	104	80.0 - 120	Acceptable	
CBG	1	0.0363	0.034	%	106	80.0 - 120	Acceptable	
CBD	1	0.0364	0.034	%	106	90.0 - 110	Acceptable	
THCV	2	0.0348	0.035	%	99.0	80.0 - 120	Acceptable	
d8THCV	2	0.0346	0.035	%	97.9	80.0 - 120	Acceptable	
THCVA	2	0.0329	0.033	%	100	80.0 - 120	Acceptable	
CBN	1	0.0357	0.034	%	106	90.0 - 110	Acceptable	
exo-THC	2	0.0340	0.034	%	98.7	80.0 - 120	Acceptable	
d9THC	1	0.0366	0.035	%	106	90.0 - 110	Acceptable	
d8THC	1	0.0347	0.033	%	104	90.0 - 110	Acceptable	
CBL	2	0.0320	0.032	%	99.1	80.0 - 120	Acceptable	
d10THC	1	0.0337	0.032	%	106	80.0 - 120	Acceptable	
CBC	2	0.0361	0.036	%	101	80.0 - 120	Acceptable	
THCA	1	0.0347	0.033	%	105	90.0 - 110	Acceptable	
CBCA	2	0.0334	0.034	%	97.3	80.0 - 120	Acceptable	
CBLA	2	0.0345	0.035	%	99.2	80.0 - 120	Acceptable	
CBT	2	0.0355	0.036	%	99.0	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	
CBDA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	0.0055	0.003	%	< 0.003	Outlier	B1
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	
d10THC	<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
B1 - The sample concentration is greater than 5 times the blank concentration.

Units of Measure:

% - Percent

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Laboratory Quality Control Results

JAOAC2015 V986 — Batch ID: 2208869
Sample Duplicate — Sample ID: 22-012040000101

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0119	0.0112	0.003	%	5.96	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.120	0.113	0.003	%	5.56	< 20	Acceptable	
CBD	2.73	2.62	0.003	%	4.06	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.0035	0.0032	0.003	%	8.13	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.0895	0.0842	0.003	%	6.08	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.0811	0.0767	0.003	%	5.59	< 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	0.0398	0.0375	0.003	%	5.93	< 20	Acceptable	

Abbreviations

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

Units of Measure:

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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	Quantitaion 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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