



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



Report Number: 23-003324/D002.R000
Report Date: 04/13/2023
ORELAP#: OR100028
OLCC : 010-1003224D558
Received: 04/03/23 13:05

Customer: Empower BodyCare
Product identity: Empower BodyCare Luxury Body Oil Batch # LO06
Client/Metric ID:
Laboratory ID: 23-003324-0001

Summary

Potency:

Analyte per 28.5g	Result	Limits	Units	Status	
CBD per 28.5g	522		mg/28.5g		CBD-Total per Serving Size 522 mg/28.5g
CBDV per 28.5g	1.94		mg/28.5g		THC-Total per Serving Size <LOQ
					(Reported in milligrams per serving)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Received: 04/03/23 13:05

Customer: Empower BodyCare
Product identity: Empower BodyCare Luxury Body Oil Batch # LO06
Client/Metric ID:
Sample Date:
Laboratory ID: 23-003324-0001
Evidence of Cooling: No
Temp: 18.2
Relinquished by: usps
Serving Size #1: 28.5 g

Sample Results

Potency per 28.5g		Method: J AOAC 2015 V98-6 (mod)		Units mg/se Batch: 2305620		Analyze: 4/4/23 9:36:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 28.5g	< LOQ		mg/28.5g	0.913		
CBC-A per 28.5g	< LOQ		mg/28.5g	0.913		
CBC-Total per 28.5g	< LOQ		mg/28.5g	1.71		
CBD per 28.5g	522		mg/28.5g	9.13		
CBD-A per 28.5g	< LOQ		mg/28.5g	0.913		
CBD-Total per 28.5g	522		mg/28.5g	9.94		
CBDV per 28.5g	1.94		mg/28.5g	0.913		
CBDV-A per 28.5g	< LOQ		mg/28.5g	0.913		
CBDV-Total per 28.5g	1.94		mg/28.5g	1.71		
CBE per 28.5g	< LOQ		mg/28.5g	0.913		
CBG per 28.5g	< LOQ		mg/28.5g	0.913		
CBG-A per 28.5g	< LOQ		mg/28.5g	0.913		
CBG-Total per 28.5g	< LOQ		mg/28.5g	1.71		
CBL per 28.5g	< LOQ		mg/28.5g	0.913		
CBL-A per 28.5g	< LOQ		mg/28.5g	0.913		
CBL-Total per 28.5g	< LOQ		mg/28.5g	1.71		
CBN per 28.5g	< LOQ		mg/28.5g	0.913		
CBT per 28.5g	< LOQ		mg/28.5g	0.913		
Δ8-THCV per 28.5g	< LOQ		mg/28.5g	0.913		
Δ10-THC-9R per 28.5g	< LOQ		mg/28.5g	0.913		
Δ10-THC-9S per 28.5g	< LOQ		mg/28.5g	0.913		
Δ10-THC-Total per 28.5g	< LOQ		mg/28.5g	1.83		
Δ8-THC per 28.5g	< LOQ		mg/28.5g	0.913		
Δ9-THC per 28.5g	< LOQ		mg/28.5g	0.913		
exo-THC per 28.5g	< LOQ		mg/28.5g	0.913		
THC-A per 28.5g	< LOQ		mg/28.5g	0.913		
THC-Total per 28.5g	< LOQ		mg/28.5g	1.71		
THCV per 28.5g	< LOQ		mg/28.5g	0.913		
THCV-A per 28.5g	< LOQ		mg/28.5g	0.913		
THCV-Total per 28.5g	< LOQ		mg/28.5g	1.72		
Total Cannabinoids per 28.5g	525		mg/28.5g			



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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2305489	04/06/23 AOAC 990.12 (Petrifilm)		
E.coli	< LOQ		cfu/g	10	2305487	04/06/23 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2305487	04/06/23 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2305488	04/07/23 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2305488	04/07/23 AOAC 2014.05 (RAPID)		

Solvents Method: Residual Solvents by GC/MS Units µg/g Batch 2305821 Analyze 04/06/23 03:33 PM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane [‡]	< LOQ	380	100	pass		2-Butanol [‡]	< LOQ	5000	200	pass	
2-Ethoxyethanol [‡]	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA) [‡]	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone [‡]	< LOQ	5000	200	pass		Acetonitrile [‡]	< LOQ	410	100	pass	
Benzene [‡]	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane [‡]	< LOQ	3880	200	pass		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 2306014		Analyze 04/10/23 10:42 AM		
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [‡]	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.200	pass	
Acequinocyl [‡]	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb [‡]	< LOQ	0.40	0.200	pass		Azoxystrobin [‡]	< LOQ	0.20	0.100	pass	
Bifentazate [‡]	< LOQ	0.20	0.100	pass		Bifenthrin [‡]	< LOQ	0.20	0.100	pass	
Boscalid [‡]	< LOQ	0.40	0.200	pass		Carbaryl [‡]	< LOQ	0.20	0.100	pass	
Carbofuran [‡]	< LOQ	0.20	0.100	pass		Chlorantraniliprole [‡]	< LOQ	0.20	0.100	pass	
Chlorfenapyr [‡]	< LOQ	1.0	0.500	pass		Chlorpyrifos [‡]	< LOQ	0.20	0.100	pass	
Clofentezine [‡]	< LOQ	0.20	0.100	pass		Cyfluthrin [‡]	< LOQ	1.0	0.500	pass	
Cypermethrin [‡]	< LOQ	1.0	0.500	pass		Daminozide [‡]	< LOQ	1.0	0.500	pass	
Diazinon [‡]	< LOQ	0.20	0.100	pass		Dichlorvos [‡]	< LOQ	1.0	0.500	pass	
Dimethoate [‡]	< LOQ	0.20	0.100	pass		Ethoprophos [‡]	< LOQ	0.20	0.100	pass	
Etofenprox [‡]	< LOQ	0.40	0.200	pass		Etoxazole [‡]	< LOQ	0.20	0.100	pass	
Fenoxycarb [‡]	< LOQ	0.20	0.100	pass		Fenpyroximate [‡]	< LOQ	0.40	0.200	pass	
Fipronil [‡]	< LOQ	0.40	0.200	pass		Flonicamid [‡]	< LOQ	1.0	0.400	pass	
Fludioxonil [‡]	< LOQ	0.40	0.200	pass		Hexythiazox [‡]	< LOQ	1.0	0.400	pass	
Imazalil [‡]	< LOQ	0.20	0.100	pass		Imidacloprid [‡]	< LOQ	0.40	0.200	pass	
Kresoxim-methyl [‡]	< LOQ	0.40	0.200	pass		Malathion [‡]	< LOQ	0.20	0.100	pass	
Metalaxyl [‡]	< LOQ	0.20	0.100	pass		Methiocarb [‡]	< LOQ	0.20	0.100	pass	
Methomyl [‡]	< LOQ	0.40	0.200	pass		MGK-264 [‡]	< LOQ	0.20	0.100	pass	
Myclobutanil [‡]	< LOQ	0.20	0.100	pass		Naled [‡]	< LOQ	0.50	0.250	pass	
Oxamyl [‡]	< LOQ	1.0	0.500	pass		Pacllobutrazole [‡]	< LOQ	0.40	0.200	pass	
Parathion-Methyl [‡]	< LOQ	0.20	0.100	pass		Permethrin [‡]	< LOQ	0.20	0.100	pass	
Phosmet [‡]	< LOQ	0.20	0.100	pass		Piperonyl butoxide [‡]	< LOQ	2.0	1.00	pass	
Prallethrin [‡]	< LOQ	0.20	0.100	pass		Propiconazole [‡]	< LOQ	0.40	0.200	pass	
Propoxur [‡]	< LOQ	0.20	0.100	pass		Pyrethrin I (total) [‡]	< LOQ	1.0	0.500	pass	
Pyridaben [‡]	< LOQ	0.20	0.100	pass		Spinosad [‡]	< LOQ	0.20	0.100	pass	
Spiromesifen [‡]	< LOQ	0.20	0.100	pass		Spirotetramat [‡]	< LOQ	0.20	0.100	pass	
Spiroxamine [‡]	< LOQ	0.40	0.200	pass		Tebuconazole [‡]	< LOQ	0.40	0.200	pass	
Thiacloprid [‡]	< LOQ	0.20	0.100	pass		Thiamethoxam [‡]	< LOQ	0.20	0.100	pass	
Trifloxystrobin [‡]	< LOQ	0.20	0.100	pass							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method		Status	Notes	
Arsenic [‡]	< LOQ	0.200	mg/kg	0.0857	2305993	04/07/23	AOAC 2013.06 (mod.) ^p	pass		
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0857	2305993	04/07/23	AOAC 2013.06 (mod.) ^p	pass		
Lead [‡]	< LOQ	0.500	mg/kg	0.0857	2305993	04/07/23	AOAC 2013.06 (mod.) ^p	pass		
Mercury [‡]	< LOQ	0.100	mg/kg	0.0429	2305993	04/07/23	AOAC 2013.06 (mod.) ^p	pass		



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Received: 04/03/23 13:05

Customer: Empower BodyCare
Product identity: Empower BodyCare Luxury Body Oil Batch # LO06 (2)
Client/Metric ID:
Laboratory ID: 23-003324-0002

Summary

Potency:

Analyte per 28.5g	Result	Limits	Units	Status	
CBD per 28.5g	530		mg/28.5g		CBD-Total per Serving Size 531 mg/28.5g
CBDV per 28.5g	1.93		mg/28.5g		
					THC-Total per Serving Size <LOQ
					(Reported in milligrams per serving)



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Customer: Empower BodyCare
Product identity: Empower BodyCare Luxury Body Oil Batch # LO06 (2)
Client/Metric ID:
Sample Date:
Laboratory ID: 23-003324-0002
Evidence of Cooling: No
Temp: 18.2
Relinquished by: usps
Serving Size #1: 28.5 g

Sample Results

Potency per 28.5g		Method: J AOAC 2015 V98-6 (mod)		Units mg/se Batch: 2305620		Analyze: 4/4/23 9:43:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 28.5g	< LOQ		mg/28.5g	0.913		
CBC-A per 28.5g	< LOQ		mg/28.5g	0.913		
CBC-Total per 28.5g	< LOQ		mg/28.5g	1.71		
CBD per 28.5g	530		mg/28.5g	9.13		
CBD-A per 28.5g	< LOQ		mg/28.5g	0.913		
CBD-Total per 28.5g	531		mg/28.5g	9.93		
CBDV per 28.5g	1.93		mg/28.5g	0.913		
CBDV-A per 28.5g	< LOQ		mg/28.5g	0.913		
CBDV-Total per 28.5g	1.93		mg/28.5g	1.70		
CBE per 28.5g	< LOQ		mg/28.5g	0.913		
CBG per 28.5g	< LOQ		mg/28.5g	0.913		
CBG-A per 28.5g	< LOQ		mg/28.5g	0.913		
CBG-Total per 28.5g	< LOQ		mg/28.5g	1.70		
CBL per 28.5g	< LOQ		mg/28.5g	0.913		
CBL-A per 28.5g	< LOQ		mg/28.5g	0.913		
CBL-Total per 28.5g	< LOQ		mg/28.5g	1.71		
CBN per 28.5g	< LOQ		mg/28.5g	0.913		
CBT per 28.5g	< LOQ		mg/28.5g	0.913		
Δ8-THCV per 28.5g	< LOQ		mg/28.5g	0.913		
Δ10-THC-9R per 28.5g	< LOQ		mg/28.5g	0.913		
Δ10-THC-9S per 28.5g	< LOQ		mg/28.5g	0.913		
Δ10-THC-Total per 28.5g	< LOQ		mg/28.5g	1.83		
Δ8-THC per 28.5g	< LOQ		mg/28.5g	0.913		
Δ9-THC per 28.5g	< LOQ		mg/28.5g	0.913		
exo-THC per 28.5g	< LOQ		mg/28.5g	0.913		
THC-A per 28.5g	< LOQ		mg/28.5g	0.913		
THC-Total per 28.5g	< LOQ		mg/28.5g	1.71		
THCV per 28.5g	< LOQ		mg/28.5g	0.913		
THCV-A per 28.5g	< LOQ		mg/28.5g	0.913		
THCV-Total per 28.5g	< LOQ		mg/28.5g	1.71		
Total Cannabinoids per 28.5g	534		mg/28.5g			



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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/28.5g = Milligram per 28.5g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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**Statistical Analysis:
 Empower BodyCare Luxury Body Oil Batch # LO06**

Analysis mg/g					
	23-003324-0001	23-003324-0002	Average	%RPD	Pass/Fail (<10%RPD)
Delta-8-THC	< 0.0186	< 0.0186	n/a	0.0 %	Pass
THC-Total	< 0.0602	< 0.0601	n/a	0.0 %	Pass
Delta-9-THC	< 0.00801	< 0.00801	n/a	0.0 %	Pass
CBD-Total	18.3	18.6	18.45	1.6 %	Pass



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Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2305620

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0330	0.033	%	99.1	80.0	- 120	Acceptable	
CBDV	2	0.0328	0.033	%	98.4	80.0	- 120	Acceptable	
CBE	2	0.0327	0.033	%	98.2	80.0	- 120	Acceptable	
CBD	1	0.0301	0.031	%	97.4	90.0	- 110	Acceptable	
CBGA	1	0.0250	0.026	%	97.2	80.0	- 120	Acceptable	
CBG	1	0.0307	0.031	%	98.7	80.0	- 120	Acceptable	
THCV	2	0.0339	0.033	%	102	80.0	- 120	Acceptable	
δ8THCV	2	0.0325	0.033	%	97.5	80.0	- 120	Acceptable	
THCVA	2	0.0328	0.033	%	98.3	80.0	- 120	Acceptable	
CBN	1	0.0266	0.027	%	98.5	80.0	- 120	Acceptable	
exo-THC	2	0.0312	0.033	%	93.5	80.0	- 120	Acceptable	
δ9THC	1	0.0316	0.031	%	102	90.0	- 110	Acceptable	
δ8THC	1	0.0302	0.031	%	96.8	90.0	- 110	Acceptable	
9S-Δ10THC	1	0.0310	0.031	%	98.6	80.0	- 120	Acceptable	
CBL	2	0.0332	0.033	%	99.7	80.0	- 120	Acceptable	
9R-Δ10THC	1	0.0299	0.032	%	93.5	80.0	- 120	Acceptable	
CB	2	0.0333	0.033	%	99.9	80.0	- 120	Acceptable	
THCA	1	0.0350	0.036	%	97.3	90.0	- 110	Acceptable	
CBCA	2	0.0339	0.033	%	102	80.0	- 120	Acceptable	
CBLA	2	0.0337	0.033	%	101	80.0	- 120	Acceptable	
CBT	2	0.0325	0.033	%	97.5	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	
CBDA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
δ8THCV	<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	
δ9THC	<LOQ	0.003	%	< 0.003	Acceptable	
δ8THC	<LOQ	0.003	%	< 0.003	Acceptable	
9S-Δ10THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
9R-Δ10THC	<LOQ	0.003	%	< 0.003	Acceptable	
CB	<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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Revision: 1 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2305620						
Sample Duplicate		Sample ID: 23-003181-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 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	0.0597	0.0582	0.003	%	2.51	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCV	0.0117	0.0124	0.003	%	5.74	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.203	0.199	0.003	%	1.82	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	1.68	1.64	0.003	%	2.42	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.0516	0.0506	0.003	%	1.93	< 20	Acceptable	
THCA	0.0748	0.0698	0.003	%	6.93	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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

Report Number: 23-003324/D002.R000
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Received: 04/03/23 13:05



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

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2305821					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		463	584	µg/g	79.3	60 - 120	
Isobutane	ND	< 200		590	767	µg/g	76.9	60 - 120	
Butane	ND	< 200		594	782	µg/g	76.0	60 - 120	
2,2-Dimethylpropane	ND	< 200		764	939	µg/g	81.4	60 - 120	
Methanol	ND	< 200		1850	1610	µg/g	114.9	60 - 120	
Ethylene Oxide	ND	< 30		44.9	57.1	µg/g	78.6	60 - 120	
2-Methylbutane	ND	< 200		1730	1600	µg/g	108.1	60 - 120	
Pentane	ND	< 200		1750	1610	µg/g	108.7	60 - 120	
Ethanol	ND	< 200		1710	1600	µg/g	106.9	70 - 130	
Ethyl Ether	ND	< 200		1730	1610	µg/g	107.5	60 - 120	
2,2-Dimethylbutane	ND	< 30		181	173	µg/g	104.6	60 - 120	
Acetone	ND	< 200		1730	1620	µg/g	106.8	60 - 120	
2-Propanol	ND	< 200		1660	1600	µg/g	103.8	60 - 120	
Acetonitrile	ND	< 100		521	488	µg/g	106.8	60 - 120	
2,3-Dimethylbutane	ND	< 30		187	165	µg/g	113.3	60 - 120	
Dichloromethane	ND	< 60		516	487	µg/g	106.0	60 - 120	
2-Methylpentane	ND	< 30		164	160	µg/g	102.5	60 - 120	
3-Methylpentane	ND	< 30		173	161	µg/g	107.5	60 - 120	
Hexane	ND	< 30		173	162	µg/g	106.8	60 - 120	
Ethyl acetate	ND	< 200		1690	1600	µg/g	105.6	60 - 120	
2-Butanol	ND	< 200		1670	1610	µg/g	103.7	60 - 120	
Tetrahydrofuran	ND	< 100		508	483	µg/g	105.2	60 - 120	
Cyclohexane	ND	< 200		1670	1610	µg/g	103.7	60 - 120	
Benzene	ND	< 1		4.21	4.98	µg/g	84.5	60 - 120	
Isopropyl Acetate	ND	< 200		1660	1610	µg/g	103.1	60 - 120	
Heptane	ND	< 200		1690	1620	µg/g	104.3	60 - 120	
1,4-Dioxane	ND	< 100		496	494	µg/g	100.4	60 - 120	
2-Ethoxyethanol	ND	< 30		174	165	µg/g	105.5	60 - 120	
Ethylene Glycol	ND	< 200		400	486	µg/g	82.3	60 - 120	
Toluene	ND	< 100		481	513	µg/g	93.8	60 - 120	
Ethylbenzene	ND	< 200		937	967	µg/g	96.9	60 - 120	
m,p-Xylene	ND	< 200		1440	994	µg/g	144.9	60 - 120	Q1
o-Xylene	ND	< 200		942	992	µg/g	95.0	60 - 120	
Cumene	ND	< 30		158	171	µg/g	92.4	60 - 120	



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

QC - Sample Duplicate		Sample ID: 23-003182-0004						
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	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	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	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
 RPD - Relative Percent Difference
 LOQ - Limit of Quantitation
 Q1 - Quality control result biased high. Only non-detect samples reported.

Units of Measure:

µg/g - Microgram per gram or ppm



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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: 2306014				
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		0.993	1.000	99.3	50.0	150
Acephate	0.000	< 0.200		0.752	0.800	93.9	60.0	120
Acetaminocyl	0.000	< 1.000		3.716	4.000	92.9	40.0	160
Acetamiprid	0.000	< 0.100		0.416	0.400	104.0	60.0	120
Aldicarb	0.000	< 0.200		0.822	0.800	102.8	60.0	120
Azoxystrobin	0.000	< 0.100		0.436	0.400	109.1	60.0	120
Bifenazate	0.000	< 0.100		0.402	0.400	100.5	60.0	120
Bifenthrin	0.000	< 0.100		0.396	0.400	98.9	50.0	150
Boscalid	0.000	< 0.200		0.800	0.800	100.0	60.0	120
Carbaryl	0.000	< 0.100		0.409	0.400	102.2	60.0	120
Carbofuran	0.000	< 0.100		0.417	0.400	104.2	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.414	0.400	103.5	60.0	120
Chlorfenapyr	0.000	< 0.500		1.899	2.000	94.9	60.0	120
Chlorpyrifos	0.000	< 0.100		0.406	0.400	101.5	60.0	120
Clofentazine	0.000	< 0.100		0.376	0.400	94.0	60.0	120
Cyfluthrin	0.000	< 0.500		1.965	2.000	98.3	50.0	150
Cypermethrin	0.000	< 0.500		1.995	2.000	99.7	50.0	150
Daminozide	0.000	< 0.500		0.670	2.000	33.5	60.0	120
Diazinon	0.000	< 0.100		0.422	0.400	105.5	60.0	120
Dichlorvos	0.000	< 0.500		1.968	2.000	98.4	60.0	120
Dimethoate	0.000	< 0.100		0.408	0.400	101.9	60.0	120
Ethoprophos	0.000	< 0.100		0.415	0.400	103.9	60.0	120
Etofenprox	0.000	< 0.200		0.797	0.800	99.6	50.0	150
Etoxazole	0.000	< 0.100		0.457	0.400	114.3	60.0	120
Fenoxycarb	0.000	< 0.100		0.409	0.400	102.2	60.0	120
Fenpyroximate	0.000	< 0.200		0.825	0.800	103.1	60.0	120
Fipronil	0.000	< 0.200		0.818	0.800	102.3	60.0	120
Fonicamid	0.000	< 0.250		1.056	1.000	105.6	60.0	120
Fludioxonil	0.000	< 0.200		0.775	0.800	96.8	50.0	150
Hexythiazox	0.000	< 0.250		0.974	1.000	97.4	60.0	120
Imazalil	0.000	< 0.100		0.402	0.400	100.5	60.0	120
Imidacloprid	0.000	< 0.200		0.815	0.800	101.8	60.0	120
Kresoxim-methyl	0.000	< 0.200		0.802	0.800	100.2	60.0	120
Malathion	0.000	< 0.100		0.428	0.400	107.0	60.0	120
Metaxalyl	0.000	< 0.100		0.425	0.400	106.2	60.0	120
Methiocarb	0.000	< 0.100		0.407	0.400	101.7	60.0	120
Methomyl	0.000	< 0.200		0.811	0.800	101.4	60.0	120
MGK-264	0.000	< 0.100		0.423	0.400	105.7	50.0	150
Myclobutanil	0.000	< 0.100		0.408	0.400	102.1	60.0	120
Naled	0.000	< 0.250		1.033	1.000	103.3	50.0	150
Oxamyl	0.000	< 0.500		1.807	2.000	90.3	60.0	120
Paclbutrazole	0.000	< 0.200		0.813	0.800	101.7	60.0	120
Parathion-Methyl	0.023	< 0.100		0.413	0.400	103.2	50.0	150
Permethrin	0.000	< 0.100		0.406	0.400	101.5	50.0	150
Phosmet	0.000	< 0.100		0.415	0.400	103.7	50.0	150
Piperonyl butoxide	0.000	< 0.500		2.291	2.000	114.6	60.0	120
Prallethrin	0.000	< 0.100		0.396	0.400	99.0	60.0	120
Propiconazole	0.000	< 0.200		0.807	0.800	100.9	60.0	120
Propoxur	0.000	< 0.100		0.425	0.400	106.3	60.0	120
Pyrethrin (Summe)	0.000	< 0.100		0.493	0.488	101.1	60.0	120
Pyridaben	0.000	< 0.100		0.402	0.400	100.4	50.0	150
Spirosad	0.000	< 0.100		0.387	0.388	99.7	50.0	150
Spiromesifen	0.000	< 0.100		0.400	0.400	100.0	60.0	120
Spirotetramat	0.000	< 0.100		0.398	0.400	99.5	60.0	120
Spiroxamine	0.000	< 0.200		0.834	0.800	104.3	60.0	120
Tebuconazole	0.000	< 0.200		0.838	0.800	104.7	60.0	120
Thiacloprid	0.000	< 0.100		0.406	0.400	101.5	60.0	120
Thiamethoxam	0.000	< 0.100		0.427	0.400	106.9	60.0	120
Trifloxystrobin	0.000	< 0.100		0.425	0.400	106.3	60.0	120

Q6



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Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg					Batch ID: 2306014				
Matrix Spike/Matrix Spike Duplicate Recoveries						Sample ID: 23-003324-0001					
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes	
Abamectin	0.000	0.963	1.023	1.000	6.1%	< 30	96.3%	102.3%	50 - 150		
Acephate	0.000	0.752	0.750	0.800	0.3%	< 30	94.0%	93.7%	50 - 150		
Acequinocyl	0.000	2.921	2.636	4.000	10.3%	< 30	73.0%	65.9%	50 - 150		
Acetamiprid	0.000	0.426	0.423	0.400	0.7%	< 30	106.5%	105.8%	50 - 150		
Aldicarb	0.000	0.794	0.799	0.800	0.5%	< 30	99.3%	99.8%	50 - 150		
Azoxystrobin	0.000	0.423	0.437	0.400	3.3%	< 30	105.9%	109.4%	50 - 150		
Bifenazate	0.000	0.398	0.398	0.400	0.0%	< 30	99.4%	99.5%	50 - 150		
Bifenthrin	0.000	0.308	0.262	0.400	16.0%	< 30	77.1%	65.6%	50 - 150		
Boscalid	0.000	0.831	0.849	0.800	2.1%	< 30	103.9%	106.2%	50 - 150		
Carbaryl	0.000	0.394	0.394	0.400	0.1%	< 30	98.6%	98.4%	50 - 150		
Carbofuran	0.000	0.404	0.407	0.400	0.6%	< 30	101.0%	101.7%	50 - 150		
Chlorantraniliprole	0.000	0.405	0.405	0.400	0.1%	< 30	101.3%	101.3%	50 - 150		
Chlorfenapyr	0.000	1.958	2.015	2.000	2.9%	< 30	97.9%	100.8%	50 - 150		
Chlorpyrifos	0.000	0.361	0.366	0.400	1.3%	< 30	90.4%	91.5%	50 - 150		
Clofentezine	0.000	0.352	0.349	0.400	0.7%	< 30	87.9%	87.3%	50 - 150		
Cyfluthrin	0.000	2.061	2.040	2.000	1.0%	< 30	103.0%	102.0%	30 - 150		
Cypermethrin	0.000	2.073	2.020	2.000	2.6%	< 30	103.6%	101.0%	50 - 150		
Daminozide	0.000	0.741	0.735	2.000	0.8%	< 30	37.0%	36.8%	30 - 150		
Diazinon	0.000	0.400	0.395	0.400	1.1%	< 30	99.9%	98.8%	50 - 150		
Dichlorvos	0.000	1.911	2.064	2.000	7.7%	< 30	95.6%	103.2%	50 - 150		
Dimethoate	0.000	0.425	0.412	0.400	3.1%	< 30	106.3%	103.1%	50 - 150		
Ethoprophos	0.000	0.411	0.409	0.400	0.5%	< 30	102.9%	102.3%	50 - 150		
Etofenprox	0.000	0.642	0.565	0.800	12.7%	< 30	80.2%	70.6%	50 - 150		
Etoxazole	0.000	0.418	0.426	0.400	1.8%	< 30	104.6%	106.5%	50 - 150		
Fenoxycarb	0.000	0.386	0.387	0.400	0.2%	< 30	96.5%	96.7%	50 - 150		
Fenpyroximate	0.000	0.752	0.771	0.800	2.5%	< 30	94.0%	96.3%	50 - 150		
Fipronil	0.000	0.750	0.772	0.800	3.0%	< 30	93.7%	96.5%	50 - 150		
Flonicamid	0.000	0.935	1.002	1.000	7.0%	< 30	93.5%	100.2%	50 - 150		
Fludioxonil	0.000	0.774	0.747	0.800	3.5%	< 30	96.7%	93.4%	50 - 150		
Hexythiazox	0.000	0.445	0.442	1.000	0.6%	< 30	44.5%	44.2%	50 - 150	Q	
Imazalil	0.000	0.400	0.398	0.400	0.5%	< 30	100.1%	99.6%	50 - 150		
Imidacloprid	0.000	0.793	0.786	0.800	1.0%	< 30	99.2%	98.2%	50 - 150		
Kresoxim-methyl	0.000	0.786	0.798	0.800	1.5%	< 30	98.3%	99.8%	50 - 150		
Malathion	0.000	0.430	0.416	0.400	3.2%	< 30	107.5%	104.1%	50 - 150		
Metaxalyl	0.000	0.410	0.416	0.400	1.4%	< 30	102.5%	103.9%	50 - 150		
Methiocarb	0.000	0.379	0.394	0.400	3.9%	< 30	94.7%	98.5%	50 - 150		
Methomyl	0.000	0.806	0.826	0.800	2.5%	< 30	100.7%	103.3%	50 - 150		
MGK-264	0.000	0.365	0.390	0.400	6.6%	< 30	91.2%	97.4%	50 - 150		
Myclobutanil	0.000	0.383	0.407	0.400	6.1%	< 30	95.8%	101.8%	50 - 150		
Naled	0.000	0.966	0.970	1.000	0.4%	< 30	96.6%	97.0%	50 - 150		
Oxamyl	0.000	1.763	2.099	2.000	17.4%	< 30	88.1%	105.0%	50 - 150		
Paclobutrazole	0.000	0.765	0.848	0.800	10.2%	< 30	95.7%	106.0%	50 - 150		
Parathion-Methyl	0.023	0.399	0.384	0.400	4.0%	< 30	93.9%	90.3%	30 - 150		
Permethrin	0.000	0.338	0.309	0.400	8.9%	< 30	84.5%	77.3%	50 - 150		
Phosmet	0.000	0.410	0.431	0.400	5.0%	< 30	102.6%	107.9%	50 - 150		
Piperonyl butoxide	0.000	2.063	2.118	2.000	2.7%	< 30	103.1%	105.9%	50 - 150		
Prallethrin	0.000	0.360	0.368	0.400	2.4%	< 30	90.0%	92.1%	50 - 150		
Propiconazole	0.000	0.776	0.787	0.800	1.4%	< 30	97.0%	98.4%	50 - 150		
Propoxur	0.000	0.412	0.408	0.400	0.9%	< 30	103.0%	102.1%	50 - 150		
Pyrethrin (Summe)	0.000	0.502	0.509	0.488	1.4%	< 30	102.9%	104.4%	50 - 150		
Pyridaben	0.000	0.390	0.389	0.400	0.1%	< 30	97.4%	97.3%	50 - 150		
Spinosad	0.000	0.378	0.391	0.388	3.5%	< 30	97.4%	100.9%	50 - 150		
Spiromesifen	0.000	0.376	0.393	0.400	4.3%	< 30	94.1%	98.3%	50 - 150		
Spirotetramat	0.000	0.403	0.406	0.400	0.8%	< 30	100.8%	101.6%	50 - 150		
Spiroxamine	0.000	0.837	0.846	0.800	1.1%	< 30	104.6%	105.7%	50 - 150		
Tebuconazole	0.000	0.777	0.771	0.800	0.8%	< 30	97.1%	96.4%	50 - 150		
Thiacloprid	0.000	0.409	0.416	0.400	1.7%	< 30	102.2%	104.0%	50 - 150		
Thiamethoxam	0.000	0.401	0.416	0.400	3.7%	< 30	100.2%	104.0%	50 - 150		
Trifloxystrobin	0.000	0.414	0.433	0.400	4.5%	< 30	103.4%	108.2%	50 - 150		



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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.