



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



Report Number: 23-003440/D003.R001
Report Date: 04/17/2023
ORELAP#: OR100028
OLCC : 010-1003224D558
Received: 03/24/23 10:14

Customer: Empower BodyCare
Product identity: CBD LUXE SOAKING SALTS Batch LS08
Client/Metric ID:
Laboratory ID: 23-003440-0004

Summary

Potency:

Analyte per 114g	Result	Limits	Units	Status	
CBD per 114g	78.3		mg/114g		CBD-Total per Serving Size 78.3 mg/114g
Analyte per 454g	Result	Limits	Units	Status	
CBD per 454g	312		mg/454g		THC-Total per Serving Size <LOQ
					CBD-Total per Serving Size 312 mg/454g
					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: 03/24/23 10:14

Customer: Empower BodyCare
Product identity: CBD LUXE SOAKING SALTS Batch LS08
Client/Metric ID:
Sample Date:
Laboratory ID: 23-003440-0004
Evidence of Cooling: No
Temp: 14.7
Relinquished by: shipping
Unit Size: 114g/4oz, 454g/16oz
Serving Size #1: 114 g
Serving Size #2: 454 g

Sample Results

Potency per 114g	Method: J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2305803	Analyze: 3/28/23 8:00:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 114g	78.3		mg/114g	0.753	
CBD-A per 114g	< LOQ		mg/114g	0.753	
CBD-Total per 114g	78.3		mg/114g	1.41	
CBG per 114g	< LOQ		mg/114g	0.753	
CBG-A per 114g	< LOQ		mg/114g	0.753	
CBG-Total per 114g	< LOQ		mg/114g	1.41	
CBN per 114g	< LOQ		mg/114g	0.753	
Δ10-THC-9R per 114g	< LOQ		mg/114g	0.753	
Δ10-THC-9S per 114g	< LOQ		mg/114g	0.753	
Δ10-THC-Total per 114g	< LOQ		mg/114g	1.51	
Δ8-THC per 114g	< LOQ		mg/114g	0.753	
Δ9-THC per 114g	< LOQ		mg/114g	0.753	
THC-A per 114g	< LOQ		mg/114g	0.753	
THC-Total per 114g	< LOQ		mg/114g	1.41	

Potency per 454g	Method: J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2305803	Analyze: 3/28/23 8:00:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 454g	312		mg/454g	3.00	
CBD-A per 454g	< LOQ		mg/454g	3.00	
CBD-Total per 454g	312		mg/454g	5.63	
CBG per 454g	< LOQ		mg/454g	3.00	
CBG-A per 454g	< LOQ		mg/454g	3.00	
CBG-Total per 454g	< LOQ		mg/454g	5.60	
CBN per 454g	< LOQ		mg/454g	3.00	
Δ10-THC-9R per 454g	< LOQ		mg/454g	3.00	
Δ10-THC-9S per 454g	< LOQ		mg/454g	3.00	
Δ8-THC per 454g	< LOQ		mg/454g	3.00	
Δ9-THC per 454g	< LOQ		mg/454g	3.00	
THC-A per 454g	< LOQ		mg/454g	3.00	



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Potency per 454g **Method:** J AOAC 2015 V98-6 (mod) **Units mg/se** **Batch:** 2305803 **Analyze:** 3/28/23 8:00:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
THC-Total per 454g	< LOQ		mg/454g	5.63	

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2306068	03/30/23 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2306068	03/30/23 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2306070	03/31/23 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2306070	03/31/23 AOAC 2014.05 (RAPID)		

Solvents **Method:** Residual Solvents by GC/MS **Units µg/g** **Batch** 2305438 **Analyze** 04/04/23 02:32 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 2305343		Analyze 03/31/23 01:37 PM		
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [‡]	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.200	pass	
Acequinocyl [‡]	< LOQ	2.0	1.00	pass		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		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	
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0197	2305993	04/07/23	AOAC 2013.06 (mod.) ^p	pass		
Lead [‡]	< LOQ	0.500	mg/kg	0.0197	2305993	04/07/23	AOAC 2013.06 (mod.) ^p	pass		
Mercury [‡]	< LOQ	0.100	mg/kg	0.00983	2305993	04/07/23	AOAC 2013.06 (mod.) ^p	pass		



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Received: 03/24/23 10:14

This is an amended version of report# 23-003440/D003.R000.

Reason: Updated report format.

Customer: Empower BodyCare
Product identity: CBD LUXE SOAKING SALTS Batch LS08 duplicate 1
Client/Metric ID:
Laboratory ID: 23-003440-0003

Summary

Potency:

Analyte per 114g	Result	Limits	Units	Status	
CBD per 114g	84.6		mg/114g		CBD-Total per Serving Size 84.6 mg/114g
Analyte per 454g	Result	Limits	Units	Status	
CBD per 454g	337		mg/454g		THC-Total per Serving Size <LOQ
					CBD-Total per Serving Size 337 mg/454g
					THC-Total per Serving Size <LOQ
(Reported in milligrams per serving)					



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Customer: Empower BodyCare

Product identity: CBD LUXE SOAKING SALTS Batch LS08 duplicate 1

Client/Metric ID:

Sample Date:

Laboratory ID: 23-003440-0003

Evidence of Cooling: No

Temp: 14.7

Relinquished by: shipping

Unit Size: 114g/4oz, 454g/16oz

Serving Size #1: 114 g

Serving Size #2: 454 g

Sample Results

Potency per 114g **Method:** J AOAC 2015 V98-6 (mod) **Units mg/se Batch:** 2305803 **Analyze:** 3/28/23 7:52:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
CBD per 114g	84.6		mg/114g	0.730	
CBD-A per 114g	< LOQ		mg/114g	0.730	
CBD-Total per 114g	84.6		mg/114g	1.37	
CBG per 114g	< LOQ		mg/114g	0.730	
CBG-A per 114g	< LOQ		mg/114g	0.730	
CBG-Total per 114g	< LOQ		mg/114g	1.36	
CBN per 114g	< LOQ		mg/114g	0.730	
Δ10-THC-9R per 114g	< LOQ		mg/114g	0.730	
Δ10-THC-9S per 114g	< LOQ		mg/114g	0.730	
Δ10-THC-Total per 114g	< LOQ		mg/114g	1.46	
Δ8-THC per 114g	< LOQ		mg/114g	0.730	
Δ9-THC per 114g	< LOQ		mg/114g	0.730	
THC-A per 114g	< LOQ		mg/114g	0.730	
THC-Total per 114g	< LOQ		mg/114g	1.37	

Potency per 454g **Method:** J AOAC 2015 V98-6 (mod) **Units mg/se Batch:** 2305803 **Analyze:** 3/28/23 7:52:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
CBD per 454g	337		mg/454g	2.91	
CBD-A per 454g	< LOQ		mg/454g	2.91	
CBD-Total per 454g	337		mg/454g	5.46	
CBG per 454g	< LOQ		mg/454g	2.91	
CBG-A per 454g	< LOQ		mg/454g	2.91	
CBG-Total per 454g	< LOQ		mg/454g	5.43	
CBN per 454g	< LOQ		mg/454g	2.91	
Δ10-THC-9R per 454g	< LOQ		mg/454g	2.91	
Δ10-THC-9S per 454g	< LOQ		mg/454g	2.91	
Δ8-THC per 454g	< LOQ		mg/454g	2.91	
Δ9-THC per 454g	< LOQ		mg/454g	2.91	
THC-A per 454g	< LOQ		mg/454g	2.91	



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Potency per 454g	Method: J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2305803	Analyze: 3/28/23 7:52:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
THC-Total per 454g	< LOQ		mg/454g	5.46	



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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/114g = Milligram per 114g

mg/454g = Milligram per 454g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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**Statistical Analysis:
 CBD LUXE SOAKING SALTS Batch LS08**

Analysis mg/g					
	23-003440-0003	23-003440-0004	Average	%RPD	Pass/Fail (<10%RPD)
Delta-8-THC	< 0.00371	< 0.00383	n/a	0.0 %	Pass
THC-Total	< 0.012	< 0.0124	n/a	0.0 %	Pass
Delta-9-THC	< 0.0016	< 0.00165	n/a	0.0 %	Pass
CBD-Total	0.742	0.687	0.7145	7.7 %	Pass



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

Laboratory Pesticide Quality Control Results

AOAC2007.1 &EN 15662		Units: mg/Kg			Batch ID 0			
Method Bank	Laboratory Control Sample							
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spke	LCS % Re	Limits	Notes
Abamectin	0.000	< 0.250		1.003	1.000	100.3	50.0	150
Acephate	0.000	< 0.200		0.759	0.800	94.9	60.0	120
Acetamiprid	0.000	< 1.000		3.894	4.000	97.3	40.0	160
Acetamiprid	0.000	< 0.100		0.397	0.400	99.1	60.0	120
Aldicarb	0.000	< 0.200		0.848	0.800	106.0	60.0	120
Azoxystrobin	0.007	< 0.100		0.389	0.400	97.2	60.0	120
Bifenazate	0.000	< 0.100		0.420	0.400	105.1	60.0	120
Bifenthrin	0.000	< 0.100		0.394	0.400	98.4	50.0	150
Boscalid	0.000	< 0.200		0.796	0.800	99.5	60.0	120
Carbaryl	0.000	< 0.100		0.403	0.400	100.7	60.0	120
Carbofuran	0.000	< 0.100		0.390	0.400	97.5	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.405	0.400	101.4	60.0	120
Chlorfenapyr	0.000	< 0.500		1.959	2.000	97.9	60.0	120
Chlorpyrifos	0.000	< 0.100		0.397	0.400	99.3	60.0	120
Clofentazine	0.000	< 0.100		0.335	0.400	83.8	60.0	120
Cyfluthrin	0.000	< 0.500		1.972	2.000	98.6	50.0	150
Cypermethrin	0.000	< 0.500		1.982	2.000	99.1	50.0	150
Daminozide	0.000	< 0.500		0.813	2.000	40.6	60.0	120
Diazinon	0.000	< 0.100		0.416	0.400	104.0	60.0	120
Dichlorvos	0.000	< 0.500		1.961	2.000	98.1	60.0	120
Dimethoate	0.000	< 0.100		0.394	0.400	98.4	60.0	120
Ethoprophos	0.000	< 0.100		0.402	0.400	100.6	60.0	120
Etofenprox	0.000	< 0.200		0.782	0.800	97.7	50.0	150
Etoxazole	0.000	< 0.100		0.415	0.400	103.7	60.0	120
Fenoxycarb	0.000	< 0.100		0.399	0.400	99.9	60.0	120
Fenpyroximate	0.000	< 0.200		0.802	0.800	100.3	60.0	120
Fipronil	0.000	< 0.200		0.806	0.800	100.8	60.0	120
Fonicamid	0.000	< 0.250		1.014	1.000	101.4	60.0	120
Fludioxonil	0.000	< 0.200		0.790	0.800	98.8	50.0	150
Hexythiazox	0.000	< 0.250		0.969	1.000	96.9	60.0	120
Imazalil	0.000	< 0.100		0.404	0.400	101.1	60.0	120
Imidacloprid	0.000	< 0.200		0.788	0.800	98.5	60.0	120
Kresoxim-methyl	0.000	< 0.200		0.813	0.800	101.6	60.0	120
Malathion	0.000	< 0.100		0.398	0.400	99.5	60.0	120
Metaxalyl	0.000	< 0.100		0.402	0.400	100.4	60.0	120
Methiocarb	0.000	< 0.100		0.394	0.400	98.4	60.0	120
Methomyl	0.000	< 0.200		0.839	0.800	104.9	60.0	120
MGK-264	0.000	< 0.100		0.383	0.400	95.7	50.0	150
Myclobutanil	0.000	< 0.100		0.391	0.400	97.8	60.0	120
Naled	0.000	< 0.250		0.986	1.000	98.6	50.0	150
Oxamyl	0.000	< 0.500		2.226	2.000	111.3	60.0	120
Pacllobutrazole	0.000	< 0.200		0.766	0.800	95.8	60.0	120
Parathion-Methyl	0.000	< 0.100		0.391	0.400	97.8	50.0	150
Permethrin	0.000	< 0.100		0.386	0.400	96.4	50.0	150
Phosmet	0.000	< 0.100		0.395	0.400	98.7	50.0	150
Piperonyl butoxide	0.000	< 0.500		1.992	2.000	99.6	60.0	120
Prallethrin	0.000	< 0.100		0.393	0.400	98.3	60.0	120
Propiconazole	0.000	< 0.200		0.800	0.800	100.1	60.0	120
Propoxur	0.000	< 0.100		0.401	0.400	100.1	60.0	120
Pyrethrin (Summe)	0.000	< 0.100		0.482	0.488	98.9	60.0	120
Pyridaben	0.000	< 0.100		0.398	0.400	99.4	50.0	150
Spirosad	0.000	< 0.100		0.400	0.388	103.1	50.0	150
Spiromesifen	0.000	< 0.100		0.385	0.400	96.2	60.0	120
Spirotetramat	0.000	< 0.100		0.391	0.400	97.8	60.0	120
Spiroxamine	0.000	< 0.200		0.787	0.800	98.4	60.0	120
Tebuconazole	0.000	< 0.200		0.777	0.800	97.2	60.0	120
Thiacloprid	0.000	< 0.100		0.393	0.400	98.4	60.0	120
Thiamethoxam	0.000	< 0.100		0.418	0.400	104.4	60.0	120
Trifloxystrobin	0.000	< 0.100		0.395	0.400	98.8	60.0	120

Q6



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



Report Number: 23-003440/D003.R001
Report Date: 04/17/2023
ORELAP#: OR100028
OLCC : 010-1003224D558
Received: 03/24/23 10:14

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

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg					Batch ID: 0			
Matrix Spk/Matrix Spke	Matrix Spke Duplicate Recoveries	MS Res	MSD Res	Spike	RFD%	Limit	MS % Re	MSD % Re	Limits	Notes
Abamectin	0.000	1.023	1.036	1.000	1.2%	< 30	102.3%	103.6%	50 - 150	
Acephate	0.000	0.752	0.753	0.800	0.1%	< 30	94.0%	94.1%	50 - 150	
Acetamiprid	0.000	3.951	3.894	4.000	1.5%	< 30	98.8%	97.3%	50 - 150	
Aldicarb	0.000	0.846	0.864	0.800	2.0%	< 30	105.8%	108.0%	50 - 150	
Azoxystrobin	0.008	0.371	0.376	0.400	1.4%	< 30	90.8%	92.1%	50 - 150	
Bifenazate	0.000	0.404	0.402	0.400	0.4%	< 30	101.0%	100.6%	50 - 150	
Bifenthrin	0.000	0.387	0.387	0.400	0.0%	< 30	96.6%	96.6%	50 - 150	
Boscalid	0.000	0.757	0.779	0.800	2.8%	< 30	94.6%	97.3%	50 - 150	
Carbaryl	0.000	0.390	0.390	0.400	0.2%	< 30	97.6%	97.4%	50 - 150	
Carbofuran	0.000	0.389	0.384	0.400	1.3%	< 30	97.2%	95.9%	50 - 150	
Chlorantraniliprole	0.000	0.389	0.390	0.400	0.4%	< 30	97.2%	97.6%	50 - 150	
Chlorfenapyr	0.000	1.903	1.880	2.000	1.2%	< 30	95.1%	94.0%	50 - 150	
Chlorpyrifos	0.000	0.378	0.389	0.400	2.8%	< 30	94.5%	97.1%	50 - 150	
Clofentazine	0.000	0.316	0.282	0.400	11.6%	< 30	79.0%	70.4%	50 - 150	
Cyfluthrin	0.000	2.041	2.183	2.000	6.7%	< 30	102.1%	109.1%	30 - 150	
Cypermethrin	0.000	2.250	2.267	2.000	0.7%	< 30	112.5%	113.3%	50 - 150	
Daminozide	0.000	0.797	0.798	2.000	0.2%	< 30	39.8%	39.9%	30 - 150	
Diazinon	0.000	0.402	0.411	0.400	2.1%	< 30	100.6%	102.7%	50 - 150	
Dichlorvos	0.000	1.976	1.958	2.000	0.9%	< 30	98.8%	97.9%	50 - 150	
Dimethoate	0.000	0.388	0.393	0.400	1.1%	< 30	97.1%	98.1%	50 - 150	
Ethoprophos	0.000	0.382	0.389	0.400	1.8%	< 30	95.4%	97.2%	50 - 150	
Etofenprox	0.000	0.761	0.773	0.800	1.5%	< 30	95.2%	96.6%	50 - 150	
Etoxazole	0.000	0.420	0.411	0.400	2.1%	< 30	104.9%	102.7%	50 - 150	
Fenoxycarb	0.000	0.376	0.385	0.400	2.3%	< 30	94.1%	96.2%	50 - 150	
Fenpyroximate	0.000	0.754	0.757	0.800	0.4%	< 30	94.3%	94.6%	50 - 150	
Fipronil	0.000	0.762	0.778	0.800	2.0%	< 30	95.3%	97.2%	50 - 150	
Fonicamid	0.000	0.983	1.008	1.000	2.4%	< 30	98.3%	100.8%	50 - 150	
Fludioxonil	0.000	0.848	0.799	0.800	5.9%	< 30	106.0%	99.9%	50 - 150	
Hexythiazox	0.000	0.991	0.984	1.000	0.7%	< 30	99.1%	98.4%	50 - 150	
Imazalil	0.000	0.397	0.388	0.400	2.2%	< 30	99.2%	97.0%	50 - 150	
Imidacloprid	0.000	0.756	0.765	0.800	1.2%	< 30	94.4%	95.6%	50 - 150	
Kresoxim-methyl	0.000	0.775	0.783	0.800	0.9%	< 30	96.9%	97.8%	50 - 150	
Malathion	0.000	0.379	0.392	0.400	3.2%	< 30	94.9%	98.0%	50 - 150	
Metaxalyl	0.000	0.387	0.391	0.400	0.9%	< 30	96.8%	97.7%	50 - 150	
Methiocarb	0.000	0.388	0.393	0.400	1.4%	< 30	96.9%	98.3%	50 - 150	
Methomyl	0.000	0.763	0.813	0.800	6.4%	< 30	95.4%	101.7%	50 - 150	
MGK-264	0.000	0.385	0.401	0.400	4.1%	< 30	96.3%	100.3%	50 - 150	
Myclobutanil	0.000	0.374	0.375	0.400	0.4%	< 30	93.4%	93.8%	50 - 150	
Naled	0.000	0.940	0.970	1.000	3.1%	< 30	94.0%	97.0%	50 - 150	
Oxamyl	0.000	2.165	2.087	2.000	3.7%	< 30	108.3%	104.4%	50 - 150	
Paclobutrazole	0.000	0.753	0.774	0.800	2.7%	< 30	94.2%	96.8%	50 - 150	
Parathion-Methyl	0.000	0.363	0.346	0.400	4.8%	< 30	90.6%	86.4%	30 - 150	
Permethrin	0.000	0.399	0.398	0.400	0.1%	< 30	99.7%	99.6%	50 - 150	
Phosmet	0.000	0.391	0.390	0.400	0.0%	< 30	97.6%	97.6%	50 - 150	
Piperonyl butoxide	0.000	1.934	1.936	2.000	0.1%	< 30	96.7%	96.8%	50 - 150	
Prallethrin	0.000	0.429	0.426	0.400	0.7%	< 30	107.3%	106.5%	50 - 150	
Propiconazole	0.000	0.816	0.834	0.800	2.2%	< 30	102.0%	104.3%	50 - 150	
Propoxur	0.000	0.388	0.389	0.400	0.0%	< 30	97.1%	97.1%	50 - 150	
Pyrethrin (Summe)	0.000	0.433	0.438	0.488	1.3%	< 30	88.7%	89.8%	50 - 150	
Pyridaben	0.000	0.372	0.371	0.400	0.3%	< 30	93.0%	92.8%	50 - 150	
Spinosad	0.000	0.383	0.385	0.388	0.6%	< 30	98.7%	99.3%	50 - 150	
Spiromesifen	0.000	0.378	0.377	0.400	0.2%	< 30	94.4%	94.2%	50 - 150	
Spirotetramat	0.000	0.387	0.392	0.400	1.4%	< 30	96.7%	98.1%	50 - 150	
Spiroxamine	0.000	0.783	0.780	0.800	0.4%	< 30	97.9%	97.5%	50 - 150	
Tebuconazole	0.000	0.778	0.796	0.800	2.3%	< 30	97.3%	99.6%	50 - 150	
Thiacloprid	0.000	0.391	0.391	0.400	0.0%	< 30	97.8%	97.8%	50 - 150	
Thiamethoxam	0.000	0.399	0.404	0.400	1.2%	< 30	99.7%	100.9%	50 - 150	
Trifloxystrobin	0.000	0.372	0.379	0.400	1.9%	< 30	92.9%	94.7%	50 - 150	



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Revision: 2 Document ID: 7087
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Laboratory Quality Control Results

Residual Solvents				Batch ID:					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	%Rec	Limits	Notes
Propane	ND	< 200		525	584	µg/g	89.9	60 - 120	
Isobutane	ND	< 200		686	767	µg/g	89.4	60 - 120	
Butane	ND	< 200		696	782	µg/g	89.0	60 - 120	
2,2-Dimethylpropane	ND	< 200		918	939	µg/g	97.8	60 - 120	
Methanol	ND	< 200		1600	1610	µg/g	99.4	60 - 120	
Ethylene Oxide	ND	< 30		51.5	57.1	µg/g	90.2	60 - 120	
2-Methylbutane	ND	< 200		1530	1600	µg/g	95.6	60 - 120	
Pentane	ND	< 200		1530	1610	µg/g	95.0	60 - 120	
Ethanol	ND	< 200		1540	1600	µg/g	96.3	70 - 130	
Ethyl Ether	ND	< 200		1540	1610	µg/g	95.7	60 - 120	
2,2-Dimethylbutane	ND	< 30		163	173	µg/g	94.2	60 - 120	
Acetone	ND	< 200		1540	1620	µg/g	95.1	60 - 120	
2-Propanol	ND	< 200		1540	1600	µg/g	96.3	60 - 120	
Ethyl Formate	ND	< 500		1990	1610	µg/g	123.6	70 - 130	
Acetonitrile	ND	< 100		468	488	µg/g	95.9	60 - 120	
Methyl Acetate	ND	< 500		1580	1610	µg/g	98.1	70 - 130	
2,3-Dimethylbutane	ND	< 30		166	165	µg/g	100.6	60 - 120	
Dichloromethane	ND	< 60		470	487	µg/g	96.5	60 - 120	
2-Methylpentane	ND	< 30		144	160	µg/g	90.0	60 - 120	
MIBK	ND	< 500		1600	1600	µg/g	100.0	70 - 130	
3-Methylpentane	ND	< 30		154	161	µg/g	95.7	60 - 120	
Hexane	ND	< 30		154	162	µg/g	95.1	60 - 120	
1-Propanol	ND	< 500		1700	1620	µg/g	104.9	70 - 130	
Methyl ethyl ketone	ND	< 500		1620	1610	µg/g	100.6	70 - 130	
Ethyl acetate	ND	< 200		1520	1600	µg/g	95.0	60 - 120	
2-Butanol	ND	< 200		1520	1610	µg/g	94.4	60 - 120	
Tetrahydrofuran	ND	< 100		468	483	µg/g	96.5	60 - 120	
Cyclohexane	ND	< 200		1520	1610	µg/g	94.4	60 - 120	
2-methyl-1-propanol	ND	< 500		1690	1630	µg/g	103.7	70 - 130	
Benzene	ND	< 1		3.85	4.98	µg/g	77.3	60 - 120	
Isopropyl Acetate	ND	< 200		1500	1610	µg/g	93.2	60 - 120	
Heptane	ND	< 200		1510	1620	µg/g	93.2	60 - 120	
1-Butanol	ND	< 500		1700	1600	µg/g	106.3	70 - 130	
Propyl Acetate	ND	< 500		1640	1620	µg/g	101.2	70 - 130	
1,4-Dioxane	ND	< 100		470	494	µg/g	95.1	60 - 120	
2-Ethoxyethanol	ND	< 30		150	165	µg/g	90.9	60 - 120	
Methylisobutylketone	ND	< 500		1620	1610	µg/g	100.6	70 - 130	
3-Methyl-1-butanol	ND	< 500		1690	1610	µg/g	105.0	70 - 130	
Ethylene Glycol	ND	< 200		410	486	µg/g	84.4	60 - 120	
Toluene	ND	< 100		454	513	µg/g	88.5	60 - 120	
Isobutyl Acetate	ND	< 500		1600	1600	µg/g	100.0	70 - 130	
1-Pentanol	ND	< 500		1690	1610	µg/g	105.0	70 - 130	
Butyl Acetate	ND	< 500		1620	1610	µg/g	100.6	70 - 130	
Ethylbenzene	ND	< 200		904	967	µg/g	93.5	60 - 120	
m,p-Xylene	ND	< 200		1380	994	µg/g	138.8	60 - 120	Q1
o-Xylene	ND	< 200		910	992	µg/g	91.7	60 - 120	
Quinone	ND	< 30		154	171	µg/g	90.1	60 - 120	
Anisole	ND	< 500		1580	1610	µg/g	98.1	70 - 130	
DMSO	ND	< 500		1670	1610	µg/g	103.7	70 - 130	
1,2-dimethoxyethane	ND	< 50		178	172	µg/g	103.5	70 - 130	
Triethylamine	ND	< 500		1640	1620	µg/g	101.2	70 - 130	
N,N-dimethylformamide	ND	< 150		520	499	µg/g	104.2	70 - 130	
N,N-dimethylacetamide	ND	< 150		500	491	µg/g	101.8	70 - 130	
Pyridine	ND	< 50		174	171	µg/g	101.8	70 - 130	
Sulfolane	ND	< 50		168	160	µg/g	105.0	70 - 130	
1,2-Dichloroethane	ND	< 1		0.978	1	µg/g	97.8	70 - 130	
Chloroform	ND	< 1		1.03	1	µg/g	103.0	70 - 130	
Trichloroethylene	ND	< 1		0.964	1	µg/g	96.4	70 - 130	
Ethylene Oxide	ND	< 1		1.08	1	µg/g	108.0	70 - 130	
Dichloromethane	ND	< 1		0.988	1	µg/g	98.8	70 - 130	
Benzene	ND	< 1		0.986	1	µg/g	98.6	70 - 130	
1,1-Dichloroethane	ND	< 1		1.01	1	µg/g	101.0	70 - 130	



12423 NE Whitaker Way
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QC- Sample Duplicate		Sample ID: 2139-01						
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	
MTE	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	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Sulfolane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Dichloromethane	80.4	81.1	1	µg/g	0.9	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,1-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

µg/g - Microgram per gram or ppm



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



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Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2305803

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0341	0.034	%	100	80.0	- 120	Acceptable	
CBDV	2	0.0329	0.033	%	101	80.0	- 120	Acceptable	
CBE	2	0.0335	0.033	%	100	80.0	- 120	Acceptable	
CBDA	1	0.0308	0.031	%	99.6	90.0	- 110	Acceptable	
CBGA	1	0.0257	0.026	%	99.6	80.0	- 120	Acceptable	
CBG	1	0.0312	0.031	%	100	80.0	- 120	Acceptable	
CBD	1	0.0269	0.027	%	98.1	90.0	- 110	Acceptable	
THCV	2	0.0339	0.033	%	101	80.0	- 120	Acceptable	
d8THCV	2	0.0333	0.033	%	99.6	80.0	- 120	Acceptable	
THCVA	2	0.0336	0.034	%	100	80.0	- 120	Acceptable	
CBN	1	0.0270	0.027	%	99.9	80.0	- 120	Acceptable	
exo-THC	2	0.0324	0.032	%	100	80.0	- 120	Acceptable	
d9THC	1	0.0316	0.031	%	101	90.0	- 110	Acceptable	
d8THC	1	0.0313	0.031	%	100	90.0	- 110	Acceptable	
9S-d10THC	1	0.0315	0.031	%	100	80.0	- 120	Acceptable	
CBL	2	0.0331	0.033	%	100	80.0	- 120	Acceptable	
9R-d10THC	1	0.0314	0.032	%	98.2	80.0	- 120	Acceptable	
CBC	2	0.0334	0.033	%	100	80.0	- 120	Acceptable	
THCA	1	0.0362	0.036	%	101	90.0	- 110	Acceptable	
CBCA	2	0.0346	0.035	%	99.5	80.0	- 120	Acceptable	
CBLA	2	0.0332	0.035	%	94.4	80.0	- 120	Acceptable	
CBT	2	0.0322	0.033	%	96.5	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBDV	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBE	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBDA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBGA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBG	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBD	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCV	<LOQ	0.0006	%	< 0.0006	Acceptable	
d8THCV	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCVA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBN	<LOQ	0.0006	%	< 0.0006	Acceptable	
exo-THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
d9THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
d8THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
9S-d10THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBL	<LOQ	0.0006	%	< 0.0006	Acceptable	
9R-d10THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBC	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBCA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBLA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBT	<LOQ	0.0006	%	< 0.0006	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: 23-003440/D003.R001
Report Date: 04/17/2023
ORELAP#: OR100028
OLCC : 010-1003224D558
Received: 03/24/23 10:14

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

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2305803						
Sample Duplicate		Sample ID: 99-004068-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0055	0.0053	0.003	%	2.22	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDG	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	0.554	0.540	0.003	%	2.39	< 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	0.121	0.118	0.003	%	2.40	< 20	Acceptable	
d8THC	0.0266	0.0259	0.003	%	2.91	< 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	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
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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.