

CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU	BATCH #	LOQ: Limit Of Quantitation LOD: Limit Of Detection $1 \text{ g} = 10^{-3} \text{ kg} = 10^3 \text{ mg} = 10^6 \mu\text{g}$ $1 \text{ mg/kg} = 1 \text{ ppm} = 1000 \text{ ppb}$
PRODUCT NAME	SERVING SIZE	
LABORATORY :	OREGON ACCREDITATION: OR100028	

POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	mg/serving	mg/g	%
Total THC (d9-THC, THCA)	mg/serving	mg/g	%
Cannabigerol (CBG)	mg/serving	mg/g	%
Cannabinol (CBN)	mg/serving	mg/g	%
Cannabichromene (CBC)	mg/serving	mg/g	%
Tetrahydrocannabinolic Acid (THCA)	mg/serving	mg/g	%
Delta-9-THC (d9-THC)	mg/serving	mg/g	%
Delta-8-THC (d8-THC)	mg/serving	mg/g	%

HEAVY METALS	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Arsenic	µg/serving	µg/g	10 µg/day ^[1]
Cadmium	µg/serving	µg/g	4.1 µg/day ^[1]
Lead	µg/serving	µg/g	6 µg/day ^[1]
Mercury	µg/serving	µg/g	2 µg/day ^[1]

PESTICIDES	REGULATORY ACTION LEVEL
None of the other 59 pesticides tested found above limit of detection in the sample.	10 ppb ^[1]

RESIDUAL SOLVENTS	Results	REGULATORY ACTION LEVEL
Ethanol	µg/g	50,000 mg/day
Heptane	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.



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



Report Number: 23-003363/D001.R000
Report Date: 04/11/2023
ORELAP#: OR100028
Purchase Order:
Received: 03/16/23 16:28

Customer: Etz Hayim Holdings
Product identity: FORM-CAP.SLP50-EK47
Client/Metric ID: .
Laboratory ID: 23-003363-0001

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g	1.69		mg/1g		CBD-Total per Serving Size 91.2 mg/1g
CBD per 1g	91.2		mg/1g		
CBDV per 1g	0.559		mg/1g		THC-Total per Serving Size 0.984 mg/1g
CBG per 1g	26.2		mg/1g		(Reported in milligrams per serving)
CBL per 1g	0.145		mg/1g		
CBN per 1g	25.8		mg/1g		
CBT per 1g	1.12		mg/1g		
Δ9-THC per 1g	0.984		mg/1g		

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Analyte	Result	Units	Limit	Status	Analyte	Result	Units	Limit	Status
Lead*	0.400	mg/kg	0.500	pass	Arsenic*	0.0618	mg/kg	0.200	pass
Cadmium*	0.0498	mg/kg	0.200	pass					

Microbiology:

Analyte	Result	Units
Mold (RAPID Petrifilm)	10	cfu/g



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Received: 03/16/23 16:28

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

Product identity: FORM-CAP.SLP50-EK47

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-003363-0001

Evidence of Cooling: No

Temp: 20.6 °C

Relinquished by: Client

Serving Size #1: 1 g

Sample Results

Potency per 1g	Method: J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2305813	Analyze: 3/20/23 7:42:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	1.69		mg/1g	0.0330	
CBC-A per 1g	< LOQ		mg/1g	0.0330	
CBC-Total per 1g	1.69		mg/1g	0.0619	
CBD per 1g	91.2		mg/1g	0.330	
CBD-A per 1g	< LOQ		mg/1g	0.0330	
CBD-Total per 1g	91.2		mg/1g	0.359	
CBDV per 1g	0.559		mg/1g	0.0330	
CBDV-A per 1g	< LOQ		mg/1g	0.0330	
CBDV-Total per 1g	0.559		mg/1g	0.0616	
CBE per 1g	< LOQ		mg/1g	0.0330	
CBG per 1g	26.2		mg/1g	0.330	
CBG-A per 1g	< LOQ		mg/1g	0.0330	
CBG-Total per 1g	26.2		mg/1g	0.358	
CBL per 1g	0.145		mg/1g	0.0330	
CBL-A per 1g	< LOQ		mg/1g	0.0330	
CBL-Total per 1g	0.145		mg/1g	0.0619	
CBN per 1g	25.8		mg/1g	0.330	
CBT per 1g	1.12		mg/1g	0.0330	
Δ8-THCV per 1g	< LOQ		mg/1g	0.0330	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0330	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0330	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0659	
Δ8-THC per 1g	< LOQ		mg/1g	0.0330	
Δ9-THC per 1g	0.984		mg/1g	0.0330	
exo-THC per 1g	< LOQ		mg/1g	0.0330	
THC-A per 1g	< LOQ		mg/1g	0.0330	
THC-Total per 1g	0.984		mg/1g	0.0619	
THCV per 1g	< LOQ		mg/1g	0.0330	
THCV-A per 1g	< LOQ		mg/1g	0.0330	
THCV-Total per 1g	< LOQ		mg/1g	0.0619	



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Potency per 1g	Method: J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2305813	Analyze: 3/20/23 7:42:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
Total Cannabinoids per 1g	148		mg/1g		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	100	2305617	03/20/23 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	100	2305617	03/20/23 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	10		cfu/g	10	2305619	03/21/23 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2305619	03/21/23 AOAC 2014.05 (RAPID)		

Solvents

Method: Residual Solvents by GC/MS						Units µg/g	Batch 2305394	Analyze 04/04/23 01:56 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		Ethanol*	< LOQ		200		
Ethyl acetate*	< LOQ	5000	200	pass		Ethyl benzene	< LOQ		200		
Ethyl ether*	< LOQ	5000	200	pass		Ethylene glycol*	< LOQ	620	200	pass	
Ethylene oxide*	< LOQ	50.0	20.0	pass		Hexanes (sum)	< LOQ	290	150	pass	
Isopropyl acetate*	< LOQ	5000	200	pass		Isopropylbenzene (Cumene)*	< LOQ	70.0	30.0	pass	
m,p-Xylene	< LOQ		200			Methanol*	< LOQ	3000	200	pass	
Methylene chloride*	< LOQ	600	60.0	pass		Methylpropane (Isobutane)	< LOQ		200		
n-Butane*	< LOQ		200			n-Heptane*	< LOQ	5000	200	pass	
n-Hexane*	< LOQ		30.0			n-Pentane*	< LOQ		200		
o-Xylene	< LOQ		200			Pentanes (sum)	< LOQ	5000	600	pass	
Propane*	< LOQ	5000	200	pass		Tetrahydrofuran*	< LOQ	720	100	pass	
Toluene*	< LOQ	890	100	pass		Total Xylenes*	< LOQ		400		
Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass							



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod)					Units mg/kg	Batch 2305526	Analyze 04/04/23 12:29 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	
Arsenic [‡]	0.0618	0.200	mg/kg	0.0342	2305649	03/20/23	AOAC 2013.06 (mod.) ^p	pass		
Cadmium [‡]	0.0498	0.200	mg/kg	0.0342	2305649	03/20/23	AOAC 2013.06 (mod.) ^p	pass		
Lead [‡]	0.400	0.500	mg/kg	0.0342	2305649	03/20/23	AOAC 2013.06 (mod.) ^p	pass		
Mercury [‡]	< LOQ	0.100	mg/kg	0.0171	2305649	03/20/23	AOAC 2013.06 (mod.) ^p	pass		



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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Ⓟ = ISO/IEC 17025:2017 accredited method.

Ⓜ = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram

g = g

µg/g = Microgram per gram

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

mg/1g = Milligram per 1g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2305394					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		428	584	µg/g	73.3	60 - 120	
Isobutane	ND	< 200		531	767	µg/g	69.2	60 - 120	
Butane	ND	< 200		534	782	µg/g	68.3	60 - 120	
2,2-Dimethylpropane	ND	< 200		724	939	µg/g	77.1	60 - 120	
Methanol	ND	< 200		1550	1610	µg/g	96.3	60 - 120	
Ethylene Oxide	ND	< 30		41.5	57.1	µg/g	72.7	60 - 120	
2-Methylbutane	ND	< 200		1710	1600	µg/g	106.9	60 - 120	
Pentane	ND	< 200		1680	1610	µg/g	104.3	60 - 120	
Ethanol	ND	< 200		1480	1600	µg/g	92.5	70 - 130	
Ethyl Ether	ND	< 200		1610	1610	µg/g	100.0	60 - 120	
2,2-Dimethylbutane	ND	< 30		182	173	µg/g	105.2	60 - 120	
Acetone	ND	< 200		1580	1620	µg/g	97.5	60 - 120	
2-Propanol	ND	< 200		1450	1600	µg/g	90.6	60 - 120	
Ethyl Formate	ND	< 500		1970	1610	µg/g	122.4	70 - 130	
Acetonitrile	ND	< 100		450	488	µg/g	92.2	60 - 120	
Methyl Acetate	ND	< 500		1500	1610	µg/g	93.2	70 - 130	
2,3-Dimethylbutane	ND	< 30		150	165	µg/g	90.9	60 - 120	
Dichloromethane	ND	< 60		428	487	µg/g	87.9	60 - 120	
2-Methylpentane	ND	< 30		155	160	µg/g	96.9	60 - 120	
MTBE	ND	< 500		1540	1600	µg/g	96.3	70 - 130	
3-Methylpentane	ND	< 30		125	161	µg/g	77.6	60 - 120	
Hexane	ND	< 30		175	162	µg/g	108.0	60 - 120	
1-Propanol	ND	< 500		1590	1620	µg/g	98.1	70 - 130	
Methylethylketone	ND	< 500		1560	1610	µg/g	96.9	70 - 130	
Ethyl acetate	ND	< 200		1470	1600	µg/g	91.9	60 - 120	
2-Butanol	ND	< 200		1400	1610	µg/g	87.0	60 - 120	
Tetrahydrofuran	ND	< 100		426	483	µg/g	88.2	60 - 120	
Cyclohexane	ND	< 200		1470	1610	µg/g	91.3	60 - 120	
2-methyl-1-propanol	ND	< 500		1620	1630	µg/g	99.4	70 - 130	
Benzene	ND	< 1		4.68	4.98	µg/g	94.0	60 - 120	
Isopropyl Acetate	ND	< 200		1430	1610	µg/g	88.8	60 - 120	
Heptane	ND	< 200		1500	1620	µg/g	92.6	60 - 120	
1-Butanol	ND	< 500		1610	1600	µg/g	100.6	70 - 130	
Propyl Acetate	ND	< 500		1600	1620	µg/g	98.8	70 - 130	
1,4-Dioxane	ND	< 100		449	494	µg/g	90.9	60 - 120	
2-Ethoxyethanol	ND	< 30		115	165	µg/g	69.7	60 - 120	
Methylisobutylketone	ND	< 500		1590	1610	µg/g	98.8	70 - 130	
3-Methyl-1-butanol	ND	< 500		1610	1610	µg/g	100.0	70 - 130	
Ethylene Glycol	ND	< 200		344	486	µg/g	70.8	60 - 120	
Toluene	ND	< 100		417	513	µg/g	81.3	60 - 120	
Isobutyl Acetate	ND	< 500		1570	1600	µg/g	98.1	70 - 130	
1-Pentanol	ND	< 500		1710	1610	µg/g	106.2	70 - 130	
Butyl Acetate	ND	< 500		1650	1610	µg/g	102.5	70 - 130	
Ethylbenzene	ND	< 200		814	967	µg/g	84.2	60 - 120	
m,p-Xylene	ND	< 200		1270	994	µg/g	127.8	60 - 120	
o-Xylene	ND	< 200		838	992	µg/g	84.5	60 - 120	
Cumene	ND	< 30		129	171	µg/g	75.4	60 - 120	
Anisole	ND	< 500		1650	1610	µg/g	102.5	70 - 130	
DMSO	ND	< 500		1640	1610	µg/g	101.9	70 - 130	
1,2-dimethoxyethane	ND	< 50		176	172	µg/g	102.3	70 - 130	
Triethylamine	ND	< 500		1620	1620	µg/g	100.0	70 - 130	
N,N-dimethylformamide	ND	< 150		564	499	µg/g	113.0	70 - 130	
N,N-dimethylacetamide	ND	< 150		853	491	µg/g	173.7	70 - 130	
Pyridine	ND	< 50		174	171	µg/g	101.8	70 - 130	
Sulfone	ND	< 50		157	160	µg/g	98.1	70 - 130	
1,2-Dichloroethane	ND	< 1		1.05	1	µg/g	105.0	70 - 130	
Chloroform	ND	< 1		1	1	µg/g	100.0	70 - 130	
Trichloroethylene	ND	< 1		1.03	1	µg/g	103.0	70 - 130	
Ethylene Oxide	ND	< 1		0.889	1	µg/g	88.9	70 - 130	
Dichloromethane	ND	< 1		1.03	1	µg/g	103.0	70 - 130	
Benzene	ND	< 1		1.03	1	µg/g	103.0	70 - 130	
1,1-Dichloroethane	ND	< 1		1.01	1	µg/g	101.0	70 - 130	



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

QC - Sample Duplicate		Sample ID: 4021-02									
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	1160	504	200	µg/g	78.8	< 20	FAIL				
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable				
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable				
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable				
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable				
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable				
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable				
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable				
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable				
Dichloromethane	ND	ND	60	µg/g	0.0	< 20	Acceptable				
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable				
MTBE	ND	ND	500	µg/g	0.0	< 20	Acceptable				
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable				
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable				
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable				
Methyl ethyl ketone	ND	ND	500	µg/g	0.0	< 20	Acceptable				
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable				
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable				
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable				
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable				
2-methyl-1-propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable				
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable				
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable				
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable				
1-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable				
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable				
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable				
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable				
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	26.5	ND	1	µg/g	185.5	< 20	FAIL				
Dichloromethane	ND	ND	1	µg/g	0.0	< 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



Report Number: 23-003363/D001.R000
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Received: 03/16/23 16:28

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

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN15662		Units: mg/Kg			Batch ID: 0			
Method Blank	Laboratory Control Sample							
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spkce	LCS %Rec	Limits	Notes
Abamectin	0.000	< 0.250		0.948	1.000	94.8	50.0	150
Acephate	0.000	< 0.250		0.740	1.000	74.0	60.0	120
Acequinocyl	0.000	< 1.000		3.689	4.000	92.2	40.0	160
Acetamiprid	0.000	< 0.100		0.378	0.400	94.5	60.0	120
Aldicarb	0.000	< 0.200		0.771	0.800	96.4	60.0	120
Azoxystrobin	0.004	< 0.100		0.360	0.400	89.9	60.0	120
Bifenazate	0.000	< 0.100		0.400	0.400	100.0	60.0	120
Bifenthrin	0.000	< 0.100		0.382	0.400	95.5	50.0	150
Boscalid	0.000	< 0.200		0.754	0.800	94.2	60.0	120
Carbaryl	0.000	< 0.100		0.383	0.400	95.7	60.0	120
Carbofuran	0.000	< 0.100		0.380	0.400	94.9	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.384	0.400	96.1	60.0	120
Chlorfenapyr	0.000	< 0.500		1.827	2.000	91.3	60.0	120
Chlorpyrifos	0.000	< 0.100		0.376	0.400	93.9	60.0	120
Clofentazine	0.000	< 0.100		0.258	0.400	64.4	60.0	120
Cyfluthrin	0.000	< 0.500		1.933	2.000	96.6	50.0	150
Cypermethrin	0.000	< 0.500		1.940	2.000	97.0	50.0	150
Daminozide	0.051	< 0.500		0.675	2.000	33.7	60.0	120
Diazinon	0.000	< 0.100		0.380	0.400	95.0	60.0	120
Dichlorvos	0.000	< 0.500		1.956	2.000	97.8	60.0	120
Dimethoate	0.000	< 0.100		0.383	0.400	95.8	60.0	120
Ethoprophos	0.000	< 0.100		0.385	0.400	96.2	60.0	120
Etofenprox	0.000	< 0.200		0.731	0.800	91.4	50.0	150
Etoxazole	0.000	< 0.100		0.372	0.400	92.9	60.0	120
Fenoxycarb	0.000	< 0.100		0.382	0.400	95.5	60.0	120
Fenpyroximate	0.000	< 0.200		0.755	0.800	94.3	60.0	120
Fipronil	0.000	< 0.200		0.774	0.800	96.8	60.0	120
Flonicamid	0.000	< 0.250		0.977	1.000	97.7	60.0	120
Fludioxonil	0.000	< 0.200		0.764	0.800	95.5	50.0	150
Hexythiazox	0.000	< 0.250		0.944	1.000	94.4	60.0	120
Imazalil	0.000	< 0.100		0.378	0.400	94.4	60.0	120
Imidacloprid	0.000	< 0.200		0.765	0.800	95.7	60.0	120
Kresoxim-methyl	0.000	< 0.200		0.768	0.800	96.0	60.0	120
Malathion	0.000	< 0.100		0.385	0.400	96.3	60.0	120
Metaxalyl	0.000	< 0.100		0.380	0.400	95.0	60.0	120
Methiocarb	0.000	< 0.100		0.390	0.400	97.5	60.0	120
Methomyl	0.000	< 0.200		0.735	0.800	91.9	60.0	120
MGK-264	0.000	< 0.100		0.388	0.400	96.9	50.0	150
Myclobutanil	0.000	< 0.100		0.394	0.400	98.4	60.0	120
Naled	0.000	< 0.250		0.971	1.000	97.1	50.0	150
Oxamyl	0.000	< 0.500		1.940	2.000	97.0	60.0	120
Paclbutrazole	0.000	< 0.200		0.769	0.800	96.2	60.0	120
Parathion-Methyl	0.000	< 0.200		0.417	0.800	52.1	50.0	150
Permethrin	0.000	< 0.100		0.372	0.400	93.0	50.0	150
Phosmet	0.000	< 0.100		0.378	0.400	94.4	50.0	150
Piperonyl butoxide	0.000	< 0.500		1.848	2.000	92.4	60.0	120
Prallethrin	0.000	< 0.100		0.384	0.400	95.9	60.0	120
Propiconazole	0.000	< 0.200		0.754	0.800	94.3	60.0	120
Propoxur	0.000	< 0.100		0.393	0.400	98.3	60.0	120
Pyrethrin (Summe)	0.000	< 0.100		0.463	0.413	112.1	60.0	120
Pyridaben	0.000	< 0.100		0.380	0.400	95.1	50.0	150
Spinosad	0.000	< 0.100		0.370	0.388	95.4	50.0	150
Spiromesifen	0.000	< 0.100		0.388	0.400	96.9	60.0	120
Spirotetramat	0.000	< 0.100		0.375	0.400	93.7	60.0	120
Spiroxamine	0.000	< 0.200		0.757	0.800	94.7	60.0	120
Tebuconazole	0.000	< 0.200		0.770	0.800	96.3	60.0	120
Thiacloprid	0.000	< 0.100		0.386	0.400	96.5	60.0	120
Thiamethoxam	0.000	< 0.100		0.392	0.400	97.9	60.0	120
Trifloxystrobin	0.000	< 0.100		0.369	0.400	92.2	60.0	120

Q6



12423 NE Whitaker Way
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503-254-1794



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Revision: 6 Document ID: 3120
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Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN15662		Units: mg/Kg					Batch ID: 0			
Matrix Spike/Matrix Spike Duplicate Recoveries	Result	MSRes	MSD Res	Spike	RFD%	Limit	MS%Rec	MSD %Rec	Limits	Notes
Abamectin	0.000	0.831	0.826	1.000	0.6%	< 30	83.1%	82.6%	50 - 150	
Acephate	0.000	0.666	0.708	1.000	6.1%	< 30	66.6%	70.8%	50 - 150	
Acequinocyl	0.000	1.691	1.779	4.000	5.0%	< 30	42.3%	44.5%	50 - 150	Q
Acetamiprid	0.000	0.359	0.357	0.400	0.6%	< 30	89.7%	89.2%	50 - 150	
Aldicarb	0.000	0.736	0.729	0.800	1.0%	< 30	92.0%	91.1%	50 - 150	
Azoxystrobin	0.000	0.360	0.358	0.400	0.6%	< 30	90.0%	89.4%	50 - 150	
Bifenazate	0.000	0.361	0.374	0.400	3.6%	< 30	90.2%	93.5%	50 - 150	
Bifenthrin	0.000	0.193	0.217	0.400	11.9%	< 30	48.1%	54.2%	50 - 150	Q
Boscalid	0.000	0.680	0.689	0.800	1.3%	< 30	85.0%	86.1%	50 - 150	
Carbaryl	0.000	0.360	0.334	0.400	7.5%	< 30	89.9%	83.5%	50 - 150	
Carbofuran	0.000	0.364	0.350	0.400	3.8%	< 30	90.9%	87.5%	50 - 150	
Chlorantraniliprole	0.000	0.366	0.366	0.400	0.1%	< 30	91.6%	91.5%	50 - 150	
Chlorfenapyr	0.000	1.680	1.812	2.000	7.5%	< 30	84.0%	90.6%	50 - 150	
Chlorpyrifos	0.000	0.359	0.363	0.400	1.0%	< 30	89.9%	90.8%	50 - 150	
Clofentazine	0.000	0.272	0.272	0.400	0.0%	< 30	68.0%	68.0%	50 - 150	
Cyfluthrin	0.000	0.652	0.718	2.000	9.7%	< 30	32.6%	35.9%	30 - 150	
Cypermethrin	0.000	2.229	2.315	2.000	3.8%	< 30	111.4%	115.8%	50 - 150	
Daminozide	0.012	0.679	0.678	2.000	0.2%	< 30	33.4%	33.3%	30 - 150	
Diazinon	0.000	0.362	0.373	0.400	3.0%	< 30	90.6%	93.3%	50 - 150	
Dichlorvos	0.000	1.796	1.734	2.000	3.5%	< 30	89.8%	86.7%	50 - 150	
Dimethoate	0.000	0.355	0.356	0.400	0.1%	< 30	88.9%	89.0%	50 - 150	
Ethoprophos	0.000	0.359	0.372	0.400	3.6%	< 30	89.9%	93.1%	50 - 150	
Etofenprox	0.000	0.523	0.528	0.800	0.8%	< 30	65.4%	66.0%	50 - 150	
Etoxazole	0.000	0.295	0.290	0.400	1.6%	< 30	73.7%	72.5%	50 - 150	
Fenoxycarb	0.000	0.369	0.371	0.400	0.6%	< 30	92.2%	92.8%	50 - 150	
Fenpyroximate	0.000	0.304	0.302	0.800	0.6%	< 30	37.9%	37.7%	50 - 150	Q
Fipronil	0.000	0.733	0.706	0.800	3.8%	< 30	91.7%	88.2%	50 - 150	
Flonicamid	0.000	0.887	0.927	1.000	4.4%	< 30	88.7%	92.7%	50 - 150	
Fludioxonil	0.000	0.713	0.764	0.800	6.9%	< 30	89.1%	95.5%	50 - 150	
Hexythiazox	0.000	0.845	0.875	1.000	3.5%	< 30	84.5%	87.5%	50 - 150	
Imazalil	0.000	0.360	0.355	0.400	1.3%	< 30	89.9%	88.7%	50 - 150	
Imidacloprid	0.000	0.695	0.731	0.800	5.1%	< 30	86.9%	91.4%	50 - 150	
Kresoxim-methyl	0.000	0.724	0.712	0.800	1.7%	< 30	90.5%	89.0%	50 - 150	
Malathion	0.000	0.353	0.353	0.400	0.1%	< 30	88.2%	88.2%	50 - 150	
Metaxyl	0.000	0.364	0.357	0.400	1.8%	< 30	90.9%	89.4%	50 - 150	
Methiocarb	0.000	0.368	0.356	0.400	3.4%	< 30	92.0%	88.9%	50 - 150	
Methomyl	0.000	0.717	0.721	0.800	0.5%	< 30	89.7%	90.1%	50 - 150	
MGK-264	0.000	0.375	0.370	0.400	1.2%	< 30	93.7%	92.5%	50 - 150	
Myclobutanil	0.000	0.363	0.374	0.400	3.0%	< 30	90.7%	93.5%	50 - 150	
Naled	0.000	0.906	0.829	1.000	8.9%	< 30	90.6%	82.9%	50 - 150	
Oxamyl	0.000	1.745	1.758	2.000	0.7%	< 30	87.3%	87.9%	50 - 150	
Paclobutrazole	0.000	0.699	0.695	0.800	0.5%	< 30	87.3%	86.9%	50 - 150	
Parathion-Methyl	0.000	0.363	0.312	0.800	15.1%	< 30	45.4%	39.0%	30 - 150	
Permethrin	0.000	0.225	0.230	0.400	2.1%	< 30	56.2%	57.5%	50 - 150	
Phosmet	0.000	0.347	0.332	0.400	4.6%	< 30	86.8%	82.9%	50 - 150	
Piperonyl butoxide	0.000	1.801	1.761	2.000	2.3%	< 30	90.1%	88.0%	50 - 150	
Prallethrin	0.000	0.362	0.370	0.400	2.1%	< 30	90.6%	92.5%	50 - 150	
Propiconazole	0.000	0.720	0.709	0.800	1.6%	< 30	90.0%	88.6%	50 - 150	
Propoxur	0.000	0.361	0.345	0.400	4.5%	< 30	90.3%	86.3%	50 - 150	
Pyrethrin (Summe)	0.001	0.253	0.254	0.413	0.4%	< 30	61.1%	61.4%	50 - 150	
Pyridaben	0.000	0.340	0.345	0.400	1.4%	< 30	85.0%	86.2%	50 - 150	
Spinosad	0.000	0.349	0.340	0.388	2.6%	< 30	90.0%	87.6%	50 - 150	
Spiromesifen	0.000	0.364	0.366	0.400	0.6%	< 30	91.0%	91.5%	50 - 150	
Spirotetramat	0.000	0.374	0.380	0.400	1.4%	< 30	93.6%	94.9%	50 - 150	
Spiroxamine	0.000	0.711	0.722	0.800	1.5%	< 30	88.9%	90.3%	50 - 150	
Tebuconazole	0.000	0.722	0.739	0.800	2.3%	< 30	90.3%	92.4%	50 - 150	
Thiacloprid	0.000	0.366	0.377	0.400	3.0%	< 30	91.5%	94.3%	50 - 150	
Thiamethoxam	0.000	0.354	0.369	0.400	4.3%	< 30	88.5%	92.4%	50 - 150	
Trifloxystrobin	0.000	0.359	0.350	0.400	2.5%	< 30	89.7%	87.4%	50 - 150	



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Laboratory Quality Control Results

JAOAC2015 V986 Batch ID: 2305813

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	2	0.0337	0.033	%	101	80.0 - 120	Acceptable		
CBDV	2	0.0328	0.033	%	98.4	80.0 - 120	Acceptable		
CBE	2	0.0335	0.033	%	101	80.0 - 120	Acceptable		
CBDA	1	0.0304	0.031	%	98.2	90.0 - 110	Acceptable		
CBGA	1	0.0255	0.026	%	98.9	80.0 - 120	Acceptable		
CBG	1	0.0307	0.031	%	98.7	80.0 - 120	Acceptable		
CBD	1	0.0266	0.027	%	97.0	90.0 - 110	Acceptable		
THCV	2	0.0334	0.033	%	100	80.0 - 120	Acceptable		
d8THCV	2	0.0335	0.033	%	101	80.0 - 120	Acceptable		
THCVA	2	0.0337	0.033	%	101	80.0 - 120	Acceptable		
CBN	1	0.0265	0.027	%	98.2	80.0 - 120	Acceptable		
exo-THC	2	0.0310	0.033	%	93.1	80.0 - 120	Acceptable		
d9THC	1	0.0306	0.031	%	98.1	90.0 - 110	Acceptable		
d8THC	1	0.0310	0.031	%	99.5	90.0 - 110	Acceptable		
9S-d10THC	1	0.0307	0.031	%	97.6	80.0 - 120	Acceptable		
CBL	2	0.0334	0.033	%	100	80.0 - 120	Acceptable		
9S-HHC	3	0.0311	0.033	%	93.2	80.0 - 120	Acceptable		
9R-d10THC	1	0.0306	0.032	%	95.8	80.0 - 120	Acceptable		
CBG	2	0.0345	0.033	%	103	80.0 - 120	Acceptable		
9R-HHC	3	0.0297	0.033	%	89.0	80.0 - 120	Acceptable		
THCA	1	0.0362	0.036	%	101	90.0 - 110	Acceptable		
CBGA	2	0.0344	0.033	%	103	80.0 - 120	Acceptable		
CBLA	2	0.0337	0.033	%	101	80.0 - 120	Acceptable		
d8THCO	3	0.0332	0.033	%	99.5	80.0 - 120	Acceptable		
CBT	2	0.0311	0.033	%	93.4	80.0 - 120	Acceptable		
d9THCO	3	0.0345	0.033	%	103	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		
9S-d10THC	<LOQ	0.003	%	< 0.003	Acceptable		
CBL	<LOQ	0.003	%	< 0.003	Acceptable		
9S-HHC	<LOQ	0.003	%	< 0.003	Acceptable		
9R-d10THC	<LOQ	0.003	%	< 0.003	Acceptable		
CBG	<LOQ	0.003	%	< 0.003	Acceptable		
9R-HHC	<LOQ	0.003	%	< 0.003	Acceptable		
THCA	<LOQ	0.003	%	< 0.003	Acceptable		
CBGA	<LOQ	0.003	%	< 0.003	Acceptable		
CBLA	<LOQ	0.003	%	< 0.003	Acceptable		
d8THCO	<LOQ	0.003	%	< 0.003	Acceptable		
CBT	<LOQ	0.003	%	< 0.003	Acceptable		
d9THCO	<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

JAOAC2015 V986		Batch ID: 2305813						
Sample Duplicate		Sample ID: 99-0030280001						
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	
CBD A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.003	%	NA	< 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	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THC	0.0095	0.0092	0.003	%	2.54	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9S-HHC	0.284	0.278	0.003	%	1.97	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CB C	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9R-HHC	0.803	0.784	0.003	%	2.39	< 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	
d8THCO	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THCO	<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: 23-003363/D001.R000
Report Date: 04/11/2023
ORELAP#: OR100028
Purchase Order:
Received: 03/16/23 16:28





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.