



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



**Report Number:** 24-002523/D001.R001  
**Report Date:** 03/19/2024  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/06/24 09:59

This is an amended version of report# 24-002523/D001.R000.

Reason: Updated customer information.

**Customer:** SIVAN REMEDIES  
**Product identity:** FeelGood Assorted Flavors  
**Client/Metric ID:** .  
**Laboratory ID:** 24-002523-0001

### Summary

**Potency:**

Analyte per 7.91g	Result	Limits	Units	Status	
CBG per 7.91g	0.451		mg/7.91g		THC-Total per Serving Size 18.7 mg/7.91g
Δ9-THC per 7.91g	18.7		mg/7.91g		
					CBD-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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**Customer:** SIVAN REMEDIES  
**Product identity:** FeelGood Assorted Flavors  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 24-002523-0001  
**Evidence of Cooling:** No  
**Temp:** 20 °C  
**Relinquished by:** shipping  
**Serving Size #1:** 7.91 g

### Sample Results

Potency per 7.91g						Method: J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2401847	Analyze: 3/7/24 6:08:00 PM
Analyte	Result	Limits	Units	LOQ	Notes				
CBD per 7.91g	< LOQ		mg/7.91g	0.247					
CBD-A per 7.91g <sup>±</sup>	< LOQ		mg/7.91g	0.247					
CBD-Total per 7.91g <sup>±</sup>	< LOQ		mg/7.91g	0.463					
CBG per 7.91g	0.451		mg/7.91g	0.247					
CBG-A per 7.91g	< LOQ		mg/7.91g	0.247					
CBG-Total per 7.91g	< LOQ		mg/7.91g	0.461					
CBN per 7.91g	< LOQ		mg/7.91g	0.247					
Δ10-THC-9R per 7.91g	< LOQ		mg/7.91g	0.247					
Δ10-THC-9S per 7.91g	< LOQ		mg/7.91g	0.247					
Δ10-THC-Total per 7.91g	< LOQ		mg/7.91g	0.494					
Δ8-THC per 7.91g <sup>±</sup>	< LOQ		mg/7.91g	0.247					
Δ9-THC per 7.91g <sup>±</sup>	18.7		mg/7.91g	0.247					
THC-A per 7.91g <sup>±</sup>	< LOQ		mg/7.91g	0.247					
THC-Total per 7.91g	18.7		mg/7.91g	0.463					

Microbiology							
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status Notes
Aerobic Plate Count	< LOQ		cfu/g	100	2401791	03/09/24 AOAC 990.12 (Petrifilm)	
E.coli	< LOQ		cfu/g	10	2401789	03/09/24 AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ		cfu/g	10	2401789	03/09/24 AOAC 991.14 (Petrifilm)	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2401790	03/10/24 AOAC 2014.05 (RAPID)	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2401790	03/10/24 AOAC 2014.05 (RAPID)	



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Solvents											Method: Residual Solvents by GC/MS <sup>b</sup>					Units µg/g		Batch 2401823		Analyze 03/07/24 04:10 PM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes													
1,4-Dioxane <sup>‡</sup>	< LOQ	380	100	pass		2-Butanol <sup>‡</sup>	< LOQ	5000	200	pass														
2-Ethoxyethanol <sup>‡</sup>	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200															
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA) <sup>‡</sup>	< 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 <sup>‡</sup>	< LOQ	5000	200	pass		Acetonitrile <sup>‡</sup>	< LOQ	410	100	pass														
Benzene <sup>‡</sup>	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass														
Cyclohexane <sup>‡</sup>	< LOQ	3880	200	pass		Ethyl acetate <sup>‡</sup>	< LOQ	5000	200	pass														
Ethyl benzene	< LOQ		200			Ethyl ether <sup>‡</sup>	< LOQ	5000	200	pass														
Ethylene glycol <sup>‡</sup>	< LOQ	620	200	pass		Ethylene oxide <sup>‡</sup>	< LOQ	50.0	20.0	pass														
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate <sup>‡</sup>	< LOQ	5000	200	pass														
Isopropylbenzene (Cumene) <sup>‡</sup>	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200															
Methanol <sup>‡</sup>	< LOQ	3000	200	pass		Methylene chloride <sup>‡</sup>	< LOQ	600	60.0	pass														
Methylpropane (Isobutane)	< LOQ		200			n-Butane	< LOQ		200															
n-Heptane <sup>‡</sup>	< LOQ	5000	200	pass		n-Hexane <sup>‡</sup>	< LOQ		30.0															
n-Pentane <sup>‡</sup>	< LOQ		200			o-Xylene	< LOQ		200															
Pentanes (sum)	< LOQ	5000	600	pass		Propane <sup>‡</sup>	< LOQ	5000	200	pass														
Tetrahydrofuran <sup>‡</sup>	< LOQ	720	100	pass		Toluene <sup>‡</sup>	< LOQ	890	100	pass														
Total Xylenes <sup>‡</sup>	< 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 2401863	Analyze 03/08/24 01:56 PM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin <sup>‡</sup>	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.200	pass	
Acequinocyl <sup>‡</sup>	< LOQ	2.0	1.00	pass		Acetamidrid	< LOQ	0.20	0.100	pass	
Aldicarb <sup>‡</sup>	< LOQ	0.40	0.200	pass		Azoxystrobin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Bifenazate <sup>‡</sup>	< LOQ	0.20	0.100	pass		Bifenthrin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Boscalid <sup>‡</sup>	< LOQ	0.40	0.200	pass		Carbaryl <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Carbofuran <sup>‡</sup>	< LOQ	0.20	0.100	pass		Chlorantraniliprole <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Chlorfenapyr <sup>‡</sup>	< LOQ	1.0	0.500	pass		Chlorpyrifos <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Clofentezine <sup>‡</sup>	< LOQ	0.20	0.100	pass		Cyfluthrin <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Cypermethrin <sup>‡</sup>	< LOQ	1.0	0.500	pass		Daminozide <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Diazinon <sup>‡</sup>	< LOQ	0.20	0.100	pass		Dichlorvos <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Dimethoate <sup>‡</sup>	< LOQ	0.20	0.100	pass		Ethoprophos <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Etofenprox <sup>‡</sup>	< LOQ	0.40	0.200	pass		Etoxazole <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Fenoxycarb <sup>‡</sup>	< LOQ	0.20	0.100	pass		Fenpyroximate <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Fipronil <sup>‡</sup>	< LOQ	0.40	0.200	pass		Flonicamid <sup>‡</sup>	< LOQ	1.0	0.400	pass	
Fludioxonil <sup>‡</sup>	< LOQ	0.40	0.200	pass		Hexythiazox <sup>‡</sup>	< LOQ	1.0	0.400	pass	
Imazalil <sup>‡</sup>	< LOQ	0.20	0.100	pass		Imidacloprid <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Kresoxim-methyl <sup>‡</sup>	< LOQ	0.40	0.200	pass		Malathion <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Metalaxyl <sup>‡</sup>	< LOQ	0.20	0.100	pass		Methiocarb <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Methomyl <sup>‡</sup>	< LOQ	0.40	0.200	pass		MGK-264 <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Myclobutanil <sup>‡</sup>	< LOQ	0.20	0.100	pass		Naled <sup>‡</sup>	< LOQ	0.50	0.250	pass	
Oxamyl <sup>‡</sup>	< LOQ	1.0	0.500	pass		Paclobotrazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Parathion-Methyl <sup>‡</sup>	< LOQ	0.20	0.100	pass		Permethrin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Phosmet <sup>‡</sup>	< LOQ	0.20	0.100	pass		Piperonyl butoxide <sup>‡</sup>	< LOQ	2.0	1.00	pass	
Prallethrin <sup>‡</sup>	< LOQ	0.20	0.100	pass		Propiconazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Propoxur <sup>‡</sup>	< LOQ	0.20	0.100	pass		Pyrethrin I (total) <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Pyridaben <sup>‡</sup>	< LOQ	0.20	0.100	pass		Spinosad <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Spiromesifen <sup>‡</sup>	< LOQ	0.20	0.100	pass		Spirotetramat <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Spiroxamine <sup>‡</sup>	< LOQ	0.40	0.200	pass		Tebuconazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Thiacloprid <sup>‡</sup>	< LOQ	0.20	0.100	pass		Thiamethoxam <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Trifloxystrobin <sup>‡</sup>	< LOQ	0.20	0.100	pass							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes	
Arsenic <sup>‡</sup>	< LOQ	0.200	mg/kg	0.0139	2401860	03/08/24	AOAC 2013.06 (mod.) <sup>p</sup>	pass		
Cadmium <sup>‡</sup>	< LOQ	0.200	mg/kg	0.0139	2401860	03/08/24	AOAC 2013.06 (mod.) <sup>p</sup>	pass		
Lead <sup>‡</sup>	< LOQ	0.500	mg/kg	0.0139	2401860	03/08/24	AOAC 2013.06 (mod.) <sup>p</sup>	pass		
Mercury <sup>‡</sup>	< LOQ	0.100	mg/kg	0.00695	2401860	03/08/24	AOAC 2013.06 (mod.) <sup>p</sup>	pass		



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**Mycotoxins**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B1 <sup>¶</sup>	< LOQ		µg/kg	5.00	2401909	03/12/24 AOAC 2007.01 & EN 15662 (mod) <sup>¶</sup>		
Aflatoxin B2 <sup>¶</sup>	< LOQ		µg/kg	5.00	2401909	03/12/24 AOAC 2007.01 & EN 15662 (mod) <sup>¶</sup>		
Aflatoxin G1 <sup>¶</sup>	< LOQ		µg/kg	5.00	2401909	03/12/24 AOAC 2007.01 & EN 15662 (mod) <sup>¶</sup>		
Aflatoxin G2 <sup>¶</sup>	< LOQ		µg/kg	5.00	2401909	03/12/24 AOAC 2007.01 & EN 15662 (mod) <sup>¶</sup>		
Ochratoxin A <sup>¶</sup>	< LOQ	20.0	µg/kg	5.00	2401909	03/12/24 AOAC 2007.01 & EN 15662 (mod) <sup>¶</sup>	pass	
Total Aflatoxins	0.000	20.0	µg/kg	20.0		03/12/24 AOAC 2007.01 & EN 15662 (mod)	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

µg/kg = Micrograms per kilogram = parts per billion (ppb)

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

mg/7.91g = Milligram per 7.91g

% = 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: 2401823					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		594	584	µg/g	101.7	60 - 120	
Isobutane	ND	< 200		756	767	µg/g	98.6	60 - 120	
Butane	ND	< 200		775	782	µg/g	99.1	60 - 120	
2,2-Dimethylpropane	ND	< 200		932	939	µg/g	99.3	60 - 120	
Methanol	ND	< 200		1610	1600	µg/g	100.6	60 - 120	
Ethylene Oxide	ND	< 30		58.3	57.1	µg/g	102.1	60 - 120	
2-Methylbutane	ND	< 200		1610	1600	µg/g	100.6	60 - 120	
Pentane	ND	< 200		1610	1600	µg/g	100.6	60 - 120	
Ethanol	ND	< 200		1640	1600	µg/g	102.5	70 - 130	
Ethyl Ether	ND	< 200		1610	1600	µg/g	100.6	60 - 120	
2,2-Dimethylbutane	ND	< 30		164	163	µg/g	100.6	60 - 120	
Acetone	ND	< 200		1610	1610	µg/g	100.0	60 - 120	
2-Propanol	ND	< 200		1660	1600	µg/g	103.8	60 - 120	
Ethyl Formate	ND	< 500		1520	1620	µg/g	93.8	70 - 130	
Acetonitrile	ND	< 100		480	481	µg/g	99.8	60 - 120	
Methyl Acetate	ND	< 500		1490	1610	µg/g	92.5	70 - 130	
2,3-Dimethylbutane	ND	< 30		164	161	µg/g	101.9	60 - 120	
Dichloromethane	ND	< 60		478	481	µg/g	99.4	60 - 120	
2-Methylpentane	ND	< 30		160	162	µg/g	98.8	60 - 120	
MTBE	ND	< 500		1530	1610	µg/g	95.0	70 - 130	
3-Methylpentane	ND	< 30		165	163	µg/g	101.2	60 - 120	
Hexane	ND	< 30		167	163	µg/g	102.5	60 - 120	
1-Propanol	ND	< 500		1540	1600	µg/g	96.3	70 - 130	
Methylethylketone	ND	< 500		1550	1610	µg/g	96.3	70 - 130	
Ethyl acetate	ND	< 200		1630	1610	µg/g	101.2	60 - 120	
2-Butanol	ND	< 200		1670	1600	µg/g	104.4	60 - 120	
Tetrahydrofuran	ND	< 100		500	487	µg/g	102.7	60 - 120	
Cyclohexane	ND	< 200		1620	1610	µg/g	100.6	60 - 120	
2-methyl-1-propanol	ND	< 500		1530	1610	µg/g	95.0	70 - 130	
Benzene	ND	< 1		4.68	4.88	µg/g	95.9	60 - 120	
Isopropyl Acetate	ND	< 200		1610	1610	µg/g	100.0	60 - 120	
Heptane	ND	< 200		1580	1600	µg/g	98.8	60 - 120	
1-Butanol	ND	< 500		1480	1610	µg/g	91.9	70 - 130	
Propyl Acetate	ND	< 500		1500	1610	µg/g	93.2	70 - 130	
1,4-Dioxane	ND	< 100		504	484	µg/g	104.1	60 - 120	
2-Ethoxyethanol	ND	< 30		159	162	µg/g	98.1	60 - 120	
Methylisobutylketone	ND	< 500		1490	1630	µg/g	91.4	70 - 130	
3-Methyl-1-butanol	ND	< 500		1460	1610	µg/g	90.7	70 - 130	
Ethylene Glycol	ND	< 200		430	496	µg/g	86.7	60 - 120	
Toluene	ND	< 100		513	486	µg/g	105.6	60 - 120	
Isobutyl Acetate	ND	< 500		1480	1610	µg/g	91.9	70 - 130	
1-Pentanol	ND	< 500		1440	1600	µg/g	90.0	70 - 130	
Butyl Acetate	ND	< 500		1460	1600	µg/g	91.3	70 - 130	
Ethylbenzene	ND	< 200		1020	961	µg/g	106.1	60 - 120	
m,p-Xylene	ND	< 200		1030	973	µg/g	105.9	60 - 120	
o-Xylene	ND	< 200		1020	963	µg/g	105.9	60 - 120	
Cumene	ND	< 30		173	164	µg/g	105.5	60 - 120	
Anisole	ND	< 500		1440	1600	µg/g	90.0	70 - 130	
DMSO	ND	< 500		1620	1610	µg/g	100.6	70 - 130	
1,2-dimethoxyethane	ND	< 50		168	170	µg/g	98.8	70 - 130	
Triethylamine	ND	< 500		1390	1600	µg/g	86.9	70 - 130	
N,N-dimethylformamide	ND	< 150		420	482	µg/g	87.1	70 - 130	
N,N-dimethylacetamide	ND	< 150		429	488	µg/g	87.9	70 - 130	
Pyridine	ND	< 50		155	164	µg/g	94.5	70 - 130	
Sulfolane	ND	< 50		115	169	µg/g	68.0	70 - 130	Q6
1,2-Dichloroethane	ND	< 1		0.996	1	µg/g	99.6	70 - 130	
Chloroform	ND	< 1		1.02	1	µg/g	102.0	70 - 130	
Trichloroethylene	ND	< 1		1.02	1	µg/g	102.0	70 - 130	
1,1-Dichloroethane	ND	< 1		1.03	1	µg/g	103.0	70 - 130	



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

QC - Sample Duplicate Sample ID: 24-002416-0001

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	
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	
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:** 24-002523/D001.R001  
**Report Date:** 03/19/2024  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/06/24 09:59

Revision: 4 Document ID: 7148  
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2401847

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0314	0.0324	%	97.2	80.0	- 120	Acceptable	
CBDV	2	0.0316	0.0352	%	89.9	80.0	- 120	Acceptable	
CBE	2	0.0329	0.0359	%	91.5	80.0	- 120	Acceptable	
CBDA	1	0.0319	0.0319	%	100.0	90.0	- 110	Acceptable	
CBGA	1	0.0312	0.0316	%	98.8	80.0	- 120	Acceptable	
CBG	1	0.0340	0.0366	%	92.9	80.0	- 120	Acceptable	
CBD	1	0.0352	0.0355	%	99.2	90.0	- 110	Acceptable	
THCV	2	0.0334	0.0345	%	96.9	80.0	- 120	Acceptable	
d8THCV	2	0.0295	0.0304	%	97.1	80.0	- 120	Acceptable	
THCVA	2	0.0304	0.0323	%	94.1	80.0	- 120	Acceptable	
CBN	1	0.0324	0.0334	%	97.1	80.0	- 120	Acceptable	
exo-THC	2	0.0309	0.0338	%	91.5	80.0	- 120	Acceptable	
d9THC	1	0.0342	0.0355	%	96.4	90.0	- 110	Acceptable	
d8THC	1	0.0311	0.0339	%	91.7	90.0	- 110	Acceptable	
9S-d10THC	1	0.0315	0.0333	%	94.7	80.0	- 120	Acceptable	
CBL	2	0.0325	0.0340	%	95.5	80.0	- 120	Acceptable	
9S-HHC	3	0.0298	0.0312	%	95.6	80.0	- 120	Acceptable	
9R-d10THC	1	0.0304	0.0326	%	93.3	80.0	- 120	Acceptable	
CBC	2	0.0332	0.0352	%	94.3	80.0	- 120	Acceptable	
9R-HHC	3	0.0276	0.0293	%	94.0	80.0	- 120	Acceptable	
THCA	1	0.0323	0.0320	%	101	90.0	- 110	Acceptable	
CBCA	2	0.0319	0.0346	%	92.2	80.0	- 120	Acceptable	
CBLA	2	0.0321	0.0344	%	93.2	80.0	- 120	Acceptable	
d9THCP	2	0.0287	0.0336	%	85.5	80.0	- 120	Acceptable	
d8THCO	3	0.0320	0.0330	%	96.9	80.0	- 120	Acceptable	
CBT	2	0.0282	0.0348	%	81.1	80.0	- 120	Acceptable	
d9THCO	3	0.0310	0.0323	%	96.1	80.0	- 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00306	%	< 0.00306	Acceptable	
CBDV	<LOQ	0.00306	%	< 0.00306	Acceptable	
CBE	<LOQ	0.00306	%	< 0.00306	Acceptable	
CBDA	<LOQ	0.00306	%	< 0.00306	Acceptable	
CBGA	<LOQ	0.00306	%	< 0.00306	Acceptable	
CBG	<LOQ	0.00306	%	< 0.00306	Acceptable	
CBD	<LOQ	0.00306	%	< 0.00306	Acceptable	
THCV	<LOQ	0.00306	%	< 0.00306	Acceptable	
d8THCV	<LOQ	0.00306	%	< 0.00306	Acceptable	
THCVA	<LOQ	0.00306	%	< 0.00306	Acceptable	
CBN	<LOQ	0.00306	%	< 0.00306	Acceptable	
exo-THC	<LOQ	0.00306	%	< 0.00306	Acceptable	
d9THC	<LOQ	0.00306	%	< 0.00306	Acceptable	
d8THC	<LOQ	0.00306	%	< 0.00306	Acceptable	
9S-d10THC	<LOQ	0.00306	%	< 0.00306	Acceptable	
CBL	<LOQ	0.00306	%	< 0.00306	Acceptable	
9S-HHC	<LOQ	0.00306	%	< 0.00306	Acceptable	
9R-d10THC	<LOQ	0.00306	%	< 0.00306	Acceptable	
CBC	<LOQ	0.00306	%	< 0.00306	Acceptable	
9R-HHC	<LOQ	0.00306	%	< 0.00306	Acceptable	
THCA	<LOQ	0.00306	%	< 0.00306	Acceptable	
CBCA	<LOQ	0.00306	%	< 0.00306	Acceptable	
CBLA	<LOQ	0.00306	%	< 0.00306	Acceptable	
d9THCP	<LOQ	0.00306	%	< 0.00306	Acceptable	
d8THCO	<LOQ	0.00306	%	< 0.00306	Acceptable	
CBT	<LOQ	0.00306	%	< 0.00306	Acceptable	
d9THCO	<LOQ	0.00306	%	< 0.00306	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



12423 NE Whitaker Way  
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**Report Number:** 24-002523/D001.R001  
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**Received:** 03/06/24 09:59

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Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2401847						
Sample Duplicate		Sample ID: 24-002502-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBG	0.00618	0.00679	0.00305	%	9.37	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBN	0.00444	0.00494	0.00305	%	10.7	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
d9THC	0.230	0.253	0.00305	%	9.58	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
9S-HHC	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBG	0.237	0.261	0.00305	%	9.62	< 20	Acceptable	
9R-HHC	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
d8THCO	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
d9THCO	<LOQ	<LOQ	0.00305	%	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  
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**Report Number:** 24-002523/D001.R001  
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Revision: 3 Document ID: 3120  
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Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg			Batch ID 2401863			
Method Blank	Blank Result	Blank Limits	Notes	LCS Result	LCS Spk	LCS % Re	Limits	Notes
Abamectin	0.132	< 0.250		1.051	1.000	105.1	50.0	150
Acaphate	0.002	< 0.200		0.731	0.800	91.4	60.0	120
Acetaminophyl	0.124	< 1.000		2.828	4.000	70.7	40.0	160
Acetamiprid	0.003	< 0.100		0.383	0.400	95.7	60.0	120
Aldicarb	0.000	< 0.200		0.754	0.800	94.3	60.0	120
Azoxystrobin	0.000	< 0.100		0.292	0.400	73.1	60.0	120
Bifenazate	0.001	< 0.100		0.382	0.400	95.4	60.0	120
Bifenthrin	0.001	< 0.100		0.346	0.400	86.5	50.0	150
Boscalid	0.003	< 0.200		0.743	0.800	92.8	60.0	120
Carbaryl	0.000	< 0.100		0.394	0.400	98.5	60.0	120
Carbendazim	0.000	< 0.100		0.381	0.400	95.2	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.378	0.400	94.5	60.0	120
Chlorfenapyr	0.001	< 0.500		1.653	2.000	82.7	60.0	120
Chlorpyrifos	0.000	< 0.100		0.375	0.400	93.7	60.0	120
Clofentezine	0.000	< 0.100		0.346	0.400	86.4	60.0	120
Cyfluthrin	0.029	< 0.500		1.810	2.000	90.5	50.0	150
Cypermethrin	0.000	< 0.500		1.846	2.000	92.3	50.0	150
Daminozide	0.000	< 0.500		0.607	2.000	30.3	60.0	120
Diuron	0.006	< 0.100		0.375	0.400	93.8	60.0	120
Dichlorvos	0.000	< 0.500		1.878	2.000	93.9	60.0	120
Dimethoate	0.003	< 0.100		0.378	0.400	94.4	60.0	120
Ethiofencarb	0.000	< 0.100		0.376	0.400	94.0	60.0	120
Etofenprox	0.003	< 0.200		0.661	0.800	82.7	50.0	150
Etoxazole	0.003	< 0.100		0.372	0.400	93.1	60.0	120
Fenoxycarb	0.000	< 0.100		0.356	0.400	89.0	60.0	120
Fenpyroximate	0.003	< 0.200		0.738	0.800	92.3	60.0	120
Fipronil	0.002	< 0.200		0.768	0.800	96.0	60.0	120
Fonicamid	0.000	< 0.250		1.009	1.000	100.9	60.0	120
Fludioxonil	0.000	< 0.200		0.815	0.800	101.8	50.0	150
Hexythiazox	0.000	< 0.250		0.932	1.000	93.2	60.0	120
Imazalil	0.000	< 0.100		0.379	0.400	94.8	60.0	120
Imidacloprid	0.006	< 0.200		0.672	0.800	84.0	60.0	120
Kiesoxim-methyl	0.002	< 0.200		0.734	0.800	91.8	60.0	120
Malathion	0.000	< 0.100		0.377	0.400	94.3	60.0	120
Metaxyl	0.003	< 0.100		0.373	0.400	93.2	60.0	120
Methiocarb	0.000	< 0.100		0.364	0.400	91.0	60.0	120
Methomyl	0.000	< 0.200		0.697	0.800	87.1	60.0	120
MCK-264	0.001	< 0.100		0.372	0.400	92.9	50.0	150
Mydobutanol	0.000	< 0.100		0.375	0.400	93.8	60.0	120
Naled	0.001	< 0.250		0.943	1.000	94.3	50.0	150
Oxamyl	0.118	< 0.500		1.446	2.000	72.3	60.0	120
Padobutrazole	0.000	< 0.200		0.743	0.800	92.8	60.0	120
Parathion-Methyl	0.000	< 0.100		0.364	0.400	91.0	50.0	150
Permethrin	0.001	< 0.100		0.370	0.400	92.5	50.0	150
Phosmet	0.000	< 0.100		0.354	0.400	88.5	50.0	150
Piperonyl butoxide	0.008	< 0.500		1.882	2.000	94.1	60.0	120
Prallethrin	0.000	< 0.100		0.361	0.400	90.2	60.0	120
Propiconazole	0.000	< 0.200		0.750	0.800	93.8	60.0	120
Propoxur	0.000	< 0.100		0.384	0.400	96.1	60.0	120
Pyrethrin (Summe)	0.012	< 0.100		0.427	0.488	87.5	60.0	120
Pyridaben	0.000	< 0.100		0.373	0.400	93.2	50.0	150
Spinosad	0.001	< 0.100		0.375	0.388	96.5	50.0	150
Spiromesfen	0.000	< 0.100		0.376	0.400	94.0	60.0	120
Spirotetramat	0.000	< 0.100		0.388	0.400	97.0	60.0	120
Spiroxamine	0.000	< 0.200		0.750	0.800	93.7	60.0	120
Tebuconazole	0.000	< 0.200		0.748	0.800	93.5	60.0	120
Thiadoprid	0.000	< 0.100		0.381	0.400	95.3	60.0	120
Thiamethoxam	0.001	< 0.100		0.354	0.400	88.4	60.0	120
Trifloxystrobin	0.003	< 0.100		0.376	0.400	93.9	60.0	120

Q7



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 LegacyID: CFLC21WorksheetValidated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg				Batch ID 2401863				
Matrix Spke/Matrix Spke Duplicate Recoveries	Result	M5 Res	M5D Res	Spike	RFD%	Limit	MS% Re	M5D% Re	Limits	Notes
Abamectin	0.129	0.952	0.844	1.000	14.0%	< 30	82.2%	71.5%	50 - 150	
Acephate	0.000	0.765	0.731	0.800	4.7%	< 30	95.7%	91.3%	50 - 150	
Acetamiprid	0.002	0.376	0.371	0.400	1.4%	< 30	93.3%	92.1%	50 - 150	
Aldicarb	0.000	0.733	0.754	0.800	2.8%	< 30	91.6%	94.2%	50 - 150	
Azoxystrobin	0.000	0.352	0.366	0.400	4.0%	< 30	88.0%	91.6%	50 - 150	
Bifenazate	0.004	0.363	0.381	0.400	4.9%	< 30	89.9%	94.4%	50 - 150	
Bifenthrin	0.000	0.344	0.356	0.400	3.4%	< 30	86.0%	89.0%	50 - 150	
Boscalid	0.003	0.716	0.749	0.800	4.5%	< 30	89.2%	93.3%	50 - 150	
Carbaryl	0.000	0.358	0.366	0.400	2.4%	< 30	89.4%	91.6%	50 - 150	
Carbofuran	0.000	0.368	0.364	0.400	1.2%	< 30	92.1%	91.0%	50 - 150	
Chlorantraniliprole	0.000	0.362	0.349	0.400	3.7%	< 30	90.3%	87.2%	50 - 150	
Chlorfenapyr	0.006	2.054	1.939	2.000	5.8%	< 30	102.4%	96.7%	50 - 150	
Chlorpyrifos	0.000	0.380	0.379	0.400	0.2%	< 30	95.1%	94.8%	50 - 150	
Clofentezine	0.000	0.318	0.312	0.400	1.9%	< 30	79.6%	78.1%	50 - 150	
Cyfluthrin	0.017	1.783	1.930	2.000	8.0%	< 30	88.3%	95.6%	30 - 150	
Cypermethrin	0.000	1.869	1.921	2.000	2.8%	< 30	93.4%	96.1%	50 - 150	
Daminozide	0.000	0.629	0.578	2.000	8.3%	< 30	31.4%	28.9%	30 - 150	Q
Diazinon	0.006	0.346	0.348	0.400	0.5%	< 30	85.0%	85.5%	50 - 150	
Dichlorvos	0.000	1.808	1.814	2.000	0.3%	< 30	90.4%	90.7%	50 - 150	
Dimethoate	0.004	0.365	0.358	0.400	2.0%	< 30	90.5%	88.7%	50 - 150	
Ethionphos	0.000	0.370	0.370	0.400	0.2%	< 30	92.6%	92.4%	50 - 150	
Etofenprox	0.001	0.672	0.685	0.800	1.9%	< 30	83.8%	85.5%	50 - 150	
Etoxazole	0.003	0.369	0.368	0.400	0.1%	< 30	91.5%	91.4%	50 - 150	
Fenoxycarb	0.000	0.355	0.355	0.400	0.1%	< 30	88.8%	88.7%	50 - 150	
Fenpyroximate	0.003	0.743	0.741	0.800	0.2%	< 30	92.3%	92.3%	50 - 150	
Fipronil	0.001	0.722	0.740	0.800	2.5%	< 30	90.0%	92.3%	50 - 150	
Fonicamid	0.000	1.056	1.152	1.000	8.7%	< 30	105.6%	115.2%	50 - 150	
Fludioxonil	0.000	0.759	0.766	0.800	1.0%	< 30	94.8%	95.7%	50 - 150	
Hexythiazox	0.000	1.547	1.558	1.000	0.7%	< 30	154.7%	155.8%	50 - 150	Q
Imazalil	0.000	0.388	0.366	0.400	2.2%	< 30	89.6%	91.6%	50 - 150	
Imidacloprid	0.006	0.720	0.713	0.800	1.1%	< 30	89.5%	88.5%	50 - 150	
Kiesoxim-methyl	0.002	0.725	0.711	0.800	2.0%	< 30	90.5%	88.6%	50 - 150	
Malathion	0.000	0.370	0.357	0.400	3.6%	< 30	92.6%	89.3%	50 - 150	
Metaxyl	0.003	0.352	0.380	0.400	2.2%	< 30	87.4%	89.3%	50 - 150	
Methiocarb	0.000	0.354	0.363	0.400	2.4%	< 30	88.6%	90.8%	50 - 150	
Methomyl	0.000	0.770	0.789	0.800	2.4%	< 30	96.2%	98.6%	50 - 150	
MCK-264	0.000	0.399	0.375	0.400	4.2%	< 30	89.9%	93.7%	50 - 150	
Mydobutani	0.050	0.411	0.415	0.400	1.2%	< 30	90.1%	91.2%	50 - 150	
Naled	0.001	0.895	0.898	1.000	0.3%	< 30	89.4%	89.6%	50 - 150	
Oxaryl	0.118	1.372	1.709	2.000	23.7%	< 30	62.7%	79.6%	50 - 150	
Padobutrazole	0.000	0.725	0.746	0.800	2.9%	< 30	90.6%	93.3%	50 - 150	
Parathion-Methyl	0.000	0.280	0.260	0.400	7.4%	< 30	69.9%	64.9%	30 - 150	
Permethrin	0.000	0.359	0.367	0.400	2.2%	< 30	89.7%	91.7%	50 - 150	
Phosmet	0.000	0.358	0.363	0.400	1.5%	< 30	89.5%	90.8%	50 - 150	
Piperonyl butoxide	0.008	1.805	1.806	2.000	0.1%	< 30	89.9%	89.9%	50 - 150	
Prallethrin	0.000	0.374	0.361	0.400	3.5%	< 30	93.5%	90.3%	50 - 150	
Propiconazole	0.000	0.750	0.730	0.800	2.7%	< 30	93.7%	91.2%	50 - 150	
Propoxur	0.000	0.371	0.381	0.400	2.6%	< 30	92.8%	95.2%	50 - 150	
Pyrethrin (Summe)	0.011	0.426	0.426	0.488	0.0%	< 30	85.1%	85.1%	50 - 150	
Pyridaben	0.000	0.433	0.436	0.400	0.5%	< 30	108.3%	108.9%	50 - 150	
Spinosad	0.001	0.358	0.354	0.388	1.1%	< 30	91.9%	90.9%	50 - 150	
Spiromesfen	0.000	0.380	0.384	0.400	1.0%	< 30	95.0%	95.9%	50 - 150	
Spirotetramat	0.000	0.377	0.374	0.400	0.8%	< 30	94.1%	93.4%	50 - 150	
Spiroxamine	0.000	0.690	0.714	0.800	3.5%	< 30	86.3%	89.3%	50 - 150	
Tebuconazole	0.001	0.725	0.731	0.800	0.9%	< 30	90.5%	91.3%	50 - 150	
Thiadoprid	0.000	0.357	0.359	0.400	0.5%	< 30	89.2%	89.7%	50 - 150	
Thiamethoxam	0.001	0.404	0.411	0.400	1.8%	< 30	100.7%	102.6%	50 - 150	
Trifloxystrobin	0.003	0.373	0.374	0.400	0.2%	< 30	92.7%	92.9%	50 - 150	



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503-254-1794



**Report Number:** 24-002523/D001.R001  
**Report Date:** 03/19/2024  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/06/24 09:59





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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.