



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



**Report Number:** 22-005788/D003.R000  
**Report Date:** 05/26/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/18/22 10:45

**Customer:** Nutra Pure, LLC  
**Product identity:** CBDPet 100 (2 Units)  
**Client/Metric ID:** Batch 52382  
**Laboratory ID:** 22-005788-0001

### Summary

**Potency:**

Analyte per 60ml	Result	Limits	Units	Status	
CBC per 60ml <sup>†</sup>	6.35		mg/60ml		CBD-Total (%) 0.208 %
CBD per 60ml	113		mg/60ml		
CBD-A per 60ml	2.46		mg/60ml		
CBT per 60ml <sup>†</sup>	2.57		mg/60ml		CBD-Total per 60ml 115 mg/60ml
Δ9-THC per 60ml	6.51		mg/60ml		
					THC-Total (%) 0.0118 %

**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:** Nutra Pure, LLC  
**Product identity:** CBDPet 100 (2 Units)  
**Client/Metric ID:** Batch 52382  
**Sample Date:**  
**Laboratory ID:** 22-005788-0001  
**Evidence of Cooling:** No  
**Temp:** 18.9 °C  
**Relinquished by:** UPS  
**Serving Size #1:** 55.2 g  
**Density:** 0.9200 g/ml

### Sample Results

Potency per 60ml					
Method J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2204346 Analyze: 5/23/22 11:53:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 60ml <sup>†</sup>	6.35		mg/60ml	1.78	
CBC-A per 60ml <sup>†</sup>	< LOQ		mg/60ml	1.78	
CBC-Total per 60ml <sup>†</sup>	6.35		mg/60ml	3.34	
CBD per 60ml	113		mg/60ml	1.78	
CBD-A per 60ml	2.46		mg/60ml	1.78	
CBD-Total per 60ml	115		mg/60ml	3.34	
CBDV per 60ml <sup>†</sup>	< LOQ		mg/60ml	1.78	
CBDV-A per 60ml <sup>†</sup>	< LOQ		mg/60ml	1.78	
CBDV-Total per 60ml <sup>†</sup>	< LOQ		mg/60ml	3.32	
CBE per 60ml <sup>†</sup>	< LOQ		mg/60ml	1.78	
CBG per 60ml <sup>†</sup>	< LOQ		mg/60ml	1.78	
CBG-A per 60ml <sup>†</sup>	< LOQ		mg/60ml	1.78	
CBG-Total per 60ml <sup>†</sup>	< LOQ		mg/60ml	3.32	
CBL per 60ml <sup>†</sup>	< LOQ		mg/60ml	1.78	
CBL-A per 60ml <sup>†</sup>	< LOQ		mg/60ml	1.78	
CBL-Total per 60ml <sup>†</sup>	< LOQ		mg/60ml	3.34	
CBN per 60ml	< LOQ		mg/60ml	1.78	
CBT per 60ml <sup>†</sup>	2.57		mg/60ml	1.78	
Δ8-THCV per 60ml <sup>†</sup>	< LOQ		mg/60ml	1.78	
Δ8-THC per 60ml <sup>†</sup>	< LOQ		mg/60ml	1.78	
Δ9-THC per 60ml	6.51		mg/60ml	1.78	
exo-THC per 60ml <sup>†</sup>	< LOQ		mg/60ml	1.78	
THC-A per 60ml	< LOQ		mg/60ml	1.78	
THC-Total per 60ml	6.51		mg/60ml	3.34	
THCV per 60ml <sup>†</sup>	< LOQ		mg/60ml	1.78	
THCV-A per 60ml <sup>†</sup>	< LOQ		mg/60ml	1.78	
THCV-Total per 60ml <sup>†</sup>	< LOQ		mg/60ml	3.34	
Total Cannabinoids per 60ml	130		mg/60ml		



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**Microbiology**

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2204266	05/21/22	AOAC 990.12 (Petrifilm)	X	
E.coli	< LOQ		cfu/g	10	2204264	05/21/22	AOAC 991.14 (Petrifilm)	X	
Total Coliforms	< LOQ		cfu/g	10	2204264	05/21/22	AOAC 991.14 (Petrifilm)	X	
Staphylococcus aureus	< LOQ		cfu/g	10	2204267	05/20/22	AOAC 2003.07	X	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2204265	05/22/22	AOAC 2014.05 (RAPID)	X	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2204265	05/22/22	AOAC 2014.05 (RAPID)	X	
E. coli, O157:H7 (by PCR)	Negative		/25g		2204270	05/20/22	AOAC 2019.03	X	
Listeria spp.	Negative		/25g		2204269	05/20/22	AOAC 2019.10	X	
Salmonella spp. by PCR	Negative		/25g		2204268	05/20/22	AOAC 2020.02	X	

**Solvents Method Residual Solvents by GC/MS Units µg/g Batch 2204489 Analyze 05/26/22 10:42 AM**

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-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 2204335 Analyze 05/23/22 08:26 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifentazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.200	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoazole	< 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		Fonicamid	< 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		Paclobotrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass	
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass	
Prallethrin	< LOQ	0.20	0.200	pass		Propiconazole	< LOQ	0.40	0.200	pass	
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass	
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass	
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass	
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass	
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass	
Trifloxystrobin	< LOQ	0.20	0.100	pass							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes	
Arsenic	< LOQ	0.200	mg/kg	0.0837	2204321	05/20/22	AOAC 2013.06 (mod.)	pass	X	
Cadmium	< LOQ	0.200	mg/kg	0.0837	2204321	05/20/22	AOAC 2013.06 (mod.)	pass	X	
Lead	< LOQ	0.500	mg/kg	0.0923	2204400	05/24/22	AOAC 2013.06 (mod.)	pass	X	
Mercury	< LOQ	0.100	mg/kg	0.0419	2204321	05/20/22	AOAC 2013.06 (mod.)	pass	X	



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These test results are representative of the individual sample selected and submitted by the client.

**Abbreviations**

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

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

† = Analyte not NELAP accredited.

**Units of Measure**

/25g = Per 25g

cfu/g = Colony forming units per gram

g = g

g/ml = Gram per milliliter

µg/g = Microgram per gram

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

mg/60ml = Milligram per 60ml

% = Percentage of sample

% wt = µg/g divided by 10,000

**Glossary of Qualifiers**

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner  
General Manager



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**Cannabis Chain of Custody Record**

ORELAP ID: OR100028

Company: <b>Nutra Pure LLC</b>		<b>Analysis Requested</b>											Purchase Order Number:				
Contact: <b>Luis Monge</b>		Pesticides – OR 59 compounds	Pesticide Multi-Residue – 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other: MICRO PROFILE X	Tinctures/Softgels Density: .92			Project Number:
Address: 800 NE Tenney Rd, Suite 110-326, Vancouver, WA 98685														Reportable Units: Tinctures: mg/60ml Softgels: mg/1 softgel			Project Name:
Email: <b>Luis@Speedwinds.com</b>														Each softgel is .5 ml			<input type="checkbox"/> Report Instructions:
Phone: 208-869-8687 Fax: 503-295-7399																	<input type="checkbox"/> Send to State - METRC
Processor's License:					<input checked="" type="checkbox"/> Email Final Results:	Other:											
					<input type="checkbox"/> Fax Final Results												
					<input checked="" type="checkbox"/> Cash/Check/CC/Net 30												
Field ID	Date/Time Collected												Matrix	Weight	Serving size for edibles	Comments/Metric ID	
CBDPet 100 (2 Units)		X	X	X						X	X		Oil	60 ml	1 gram	Batch 52382	

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)	Andy Kester	5/12/22		<i>AK</i>	5/18/22	10:45	Client Alias:
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)							Order Number:
<input type="checkbox"/> Priority Rush (2 day) (2x Standard)							Proper Container
							Sample Condition
							Temperature:
							Shipped Via:
							Evidence of

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE P  
Revision: 2.00 Control#: CF023  
Effective 04/29/2019 Revised 04/29/2019  
[www.pixislabs.com](http://www.pixislabs.com)  
[www.columbiqlabs.com](http://www.columbiqlabs.com)



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Document ID: 3177 Revision: 3  
Effective: 04/26/2022  
Page 1 of 1

**PACKAGE RECEIVING FORM**

Delivery Date:  5/18  Same as Opened By Date  Unsure

How was the package delivered?

UPS  FEDEX  USPS  DHL  OTHER: \_\_\_\_\_

Tracking Number: 1Z3T 6L9 03 0420 843C

	CIRCLE ONE	
1) Was package sealed with no evidence of holes/tampering? Further custody seal/tampering notes: _____	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
2) Was packing material used? If YES: <input type="checkbox"/> PEANUTS <input type="checkbox"/> BUBBLE <input checked="" type="checkbox"/> WRAP <input type="checkbox"/> FOAM PAPER	YES	NO
3) Was a Complete Chain of Custody (COC) received? Comment (PT?, Email?): _____	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
4) Sample temperature upon arrival? _____ °C		
5) Evidence of cooling? If YES, What kind? <input type="checkbox"/> ICE <input type="checkbox"/> FREEZER PACK <input type="checkbox"/> DRY ICE Insulation? <input type="checkbox"/> PLASTIC COOLER <input type="checkbox"/> STYROFOAM <input type="checkbox"/> OTHER: _____	YES	<input checked="" type="checkbox"/> NO
6) Were sample containers sealed in separate plastic bags/secondary containment?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
7) Did sample containers arrive in good condition? If NO: <input type="checkbox"/> LEAKED <input type="checkbox"/> BROKEN <input type="checkbox"/> OTHER: If NO: Suspect contamination of other samples? <input type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> NO <i>HE 5/18</i>
8) Sample labels present?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
9) Do sample labels agree with COC? If NO, number of sample containers received: _____	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

Sample pre-log location:

R39 R44 F44 R99  CANNA SHELF  FOOD SHELF Other: \_\_\_\_\_

Other Notes:

Received By (initials): *HE* Date: 5/18/22 Time: 10:45



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

**Laboratory Pesticide Quality Control Results**

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 2204335				
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		1.207	1.000	120.7	50.0	150
Acephate	0.033	< 0.250		1.102	1.000	110.2	60.0	120
Acequinocyl	0.000	< 1.000		4.533	4.000	113.3	40.0	160
Acetamiprid	0.000	< 0.100		0.433	0.400	108.2	60.0	120
Aldicarb	0.000	< 0.200		0.898	0.800	112.2	60.0	120
Azoxystrobin	0.000	< 0.100		0.427	0.400	106.8	60.0	120
Bifenazate	0.000	< 0.100		0.481	0.400	120.2	60.0	120
Bifenthrin	0.000	< 0.100		0.431	0.400	107.8	50.0	150
Boscalid	0.000	< 0.200		0.847	0.800	105.9	60.0	120
Carbaryl	0.000	< 0.100		0.427	0.400	106.7	60.0	120
Carbofuran	0.000	< 0.100		0.424	0.400	106.1	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.404	0.400	100.9	60.0	120
Chlorfenapyr	0.000	< 0.500		2.208	2.000	110.4	60.0	120
Chlorpyrifos	0.000	< 0.100		0.429	0.400	107.2	60.0	120
Clofentazine	0.000	< 0.100		0.449	0.400	112.2	60.0	120
Cyfluthrin	0.000	< 0.500		2.117	2.000	105.9	50.0	150
Cypermethrin	0.000	< 0.500		2.197	2.000	109.9	50.0	150
Daminozide	0.000	< 0.500		2.477	2.000	123.8	60.0	120
Diazinon	0.000	< 0.100		0.469	0.400	117.3	60.0	120
Dichlorvos	0.000	< 0.500		2.271	2.000	113.6	60.0	120
Dimethoate	0.000	< 0.100		0.440	0.400	110.0	60.0	120
Ethoprophos	0.000	< 0.100		0.440	0.400	110.1	60.0	120
Etofenprox	0.000	< 0.200		0.876	0.800	109.5	50.0	150
Etoxazole	0.000	< 0.100		0.453	0.400	113.1	60.0	120
Fenoxycarb	0.000	< 0.100		0.440	0.400	110.1	60.0	120
Fenpyroximate	0.000	< 0.200		0.891	0.800	111.4	60.0	120
Fipronil	0.000	< 0.200		0.855	0.800	106.8	60.0	120
Fonicamid	0.000	< 0.250		1.029	1.000	102.9	60.0	120
Fludioxonil	0.000	< 0.200		0.879	0.800	109.8	50.0	150
Hexythiazox	0.000	< 0.250		1.117	1.000	111.7	60.0	120
Imazalil	0.000	< 0.100		0.443	0.400	110.8	60.0	120
Imidacloprid	0.000	< 0.200		0.873	0.800	109.1	60.0	120
Kresoxim-methyl	0.000	< 0.200		0.884	0.800	110.5	60.0	120
Malathion	0.000	< 0.100		0.445	0.400	111.3	60.0	120
Metaxalyl	0.000	< 0.100		0.427	0.400	106.6	60.0	120
Methiocarb	0.000	< 0.100		0.431	0.400	107.6	60.0	120
Methomyl	0.000	< 0.200		0.891	0.800	111.4	60.0	120
MGK-264	0.000	< 0.100		0.440	0.400	110.1	50.0	150
Myclobutanil	0.000	< 0.100		0.453	0.400	113.2	60.0	120
Naled	0.000	< 0.250		0.980	1.000	98.0	50.0	150
Oxamyl	0.000	< 0.500		1.990	2.000	99.5	60.0	120
Pacllobutrazole	0.000	< 0.200		0.883	0.800	110.4	60.0	120
Parathion-Methyl	0.000	< 0.200		1.801	0.800	225.1	50.0	150
Permethrin	0.000	< 0.100		0.441	0.400	110.2	50.0	150
Phosmet	0.000	< 0.100		0.450	0.400	112.5	50.0	150
Piperonyl butoxide	0.000	< 0.500		2.228	2.000	111.4	60.0	120
Prallethrin	0.000	< 0.100		0.449	0.400	112.1	60.0	120
Propiconazole	0.000	< 0.200		0.898	0.800	112.2	60.0	120
Propoxur	0.000	< 0.100		0.451	0.400	112.7	60.0	120
Pyrethrin (Summe)	0.001	< 0.100		0.451	0.413	109.3	60.0	120
Pyridaben	0.000	< 0.100		0.453	0.400	113.2	50.0	150
Spirosad	0.000	< 0.100		0.395	0.388	101.9	50.0	150
Spiromesifen	0.000	< 0.100		0.443	0.400	110.8	60.0	120
Spirotetramat	0.000	< 0.100		0.444	0.400	111.1	60.0	120
Spiroxamine	0.000	< 0.200		0.880	0.800	110.0	60.0	120
Tebuconazole	0.000	< 0.200		0.908	0.800	113.5	60.0	120
Thiacloprid	0.000	< 0.100		0.432	0.400	108.1	60.0	120
Thiamethoxam	0.000	< 0.100		0.439	0.400	109.9	60.0	120
Trifloxystrobin	0.000	< 0.100		0.430	0.400	107.5	60.0	120





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



Report Number: 22-005788/D003.R000  
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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg				Batch ID: 2204335					
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 22-005695-0001									
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes	
Abamectin	0.000	0.981	1.008	1.000	2.8%	< 30	98.1%	100.8%	50 - 150		
Acephate	0.000	1.078	1.084	1.000	0.6%	< 30	107.8%	108.4%	50 - 150		
Acetamiprid	0.000	0.424	0.432	0.400	1.7%	< 30	106.1%	107.9%	50 - 150		
Aldicarb	0.000	0.867	0.905	0.800	4.3%	< 30	108.4%	113.2%	50 - 150		
Azoxystrobin	0.000	0.423	0.410	0.400	3.2%	< 30	105.8%	102.5%	50 - 150		
Bifenazate	0.000	0.532	0.540	0.400	1.5%	< 30	133.0%	135.0%	50 - 150		
Bifenthrin	0.000	0.517	0.555	0.400	7.0%	< 30	129.2%	138.6%	50 - 150		
Boscalid	0.000	0.834	0.814	0.800	2.5%	< 30	104.3%	101.7%	50 - 150		
Carbaryl	0.000	0.419	0.418	0.400	0.2%	< 30	104.7%	104.5%	50 - 150		
Carbofuran	0.000	0.410	0.419	0.400	2.0%	< 30	102.6%	104.7%	50 - 150		
Chlorantraniliprole	0.000	0.406	0.412	0.400	1.4%	< 30	101.5%	103.0%	50 - 150		
Chlorfenapyr	0.000	1.985	2.002	2.000	0.9%	< 30	99.2%	100.1%	50 - 150		
Chlorpyrifos	0.000	0.417	0.387	0.400	7.5%	< 30	104.3%	96.7%	50 - 150		
Clofentezine	0.000	0.468	0.445	0.400	5.1%	< 30	117.1%	111.3%	50 - 150		
Cyfluthrin	0.000	1.723	1.776	2.000	3.0%	< 30	86.2%	88.8%	30 - 150		
Cypermethrin	0.000	1.766	1.793	2.000	1.5%	< 30	88.3%	89.7%	50 - 150		
Daminozide	0.000	2.413	2.344	2.000	2.9%	< 30	120.6%	117.2%	30 - 150		
Diazinon	0.000	0.461	0.448	0.400	2.9%	< 30	115.3%	112.0%	50 - 150		
Dichlorvos	0.000	2.571	2.763	2.000	7.2%	< 30	128.6%	138.1%	50 - 150		
Dimethoate	0.000	0.434	0.440	0.400	1.3%	< 30	108.5%	109.9%	50 - 150		
Ethoprophos	0.000	0.429	0.420	0.400	2.1%	< 30	107.3%	105.1%	50 - 150		
Etofenprox	0.000	1.137	1.179	0.800	3.6%	< 30	142.2%	147.4%	50 - 150		
Etoxazole	0.000	0.467	0.460	0.400	1.6%	< 30	116.8%	115.0%	50 - 150		
Fenoxycarb	0.000	0.445	0.432	0.400	2.9%	< 30	111.1%	107.9%	50 - 150		
Fenpyroximate	0.000	0.780	0.830	0.800	6.2%	< 30	97.5%	103.7%	50 - 150		
Fipronil	0.000	0.838	0.858	0.800	2.3%	< 30	104.8%	107.3%	50 - 150		
Fonicamid	0.000	1.119	1.132	1.000	1.2%	< 30	111.9%	113.2%	50 - 150		
Fludioxonil	0.000	0.923	0.916	0.800	0.8%	< 30	115.4%	114.4%	50 - 150		
Hexythiazox	0.000	1.249	1.302	1.000	4.2%	< 30	124.9%	130.2%	50 - 150		
Imazalil	0.000	0.449	0.427	0.400	5.0%	< 30	112.1%	106.7%	50 - 150		
Imidacloprid	0.000	0.848	0.841	0.800	0.9%	< 30	106.0%	105.1%	50 - 150		
Kresoxim-methyl	0.000	0.893	0.924	0.800	3.4%	< 30	111.6%	115.5%	50 - 150		
Malathion	0.000	0.440	0.449	0.400	2.0%	< 30	109.9%	112.1%	50 - 150		
Metaxalyl	0.000	0.432	0.431	0.400	0.3%	< 30	107.9%	107.6%	50 - 150		
Methiocarb	0.000	0.419	0.430	0.400	2.6%	< 30	104.8%	107.6%	50 - 150		
Methomyl	0.000	0.912	0.904	0.800	0.9%	< 30	114.0%	113.0%	50 - 150		
MGK-264	0.000	0.421	0.422	0.400	0.3%	< 30	105.1%	105.5%	50 - 150		
Myclobutanil	0.000	0.418	0.430	0.400	3.0%	< 30	104.4%	107.6%	50 - 150		
Naled	0.000	0.470	0.351	1.000	29.1%	< 30	47.0%	35.1%	50 - 150	Q	
Oxamyl	0.000	2.247	2.296	2.000	2.2%	< 30	112.3%	114.8%	50 - 150		
Pacllobutrazole	0.000	0.869	0.865	0.800	0.4%	< 30	108.6%	108.1%	50 - 150		
Parathion-Methyl	0.000	1.650	1.864	0.800	12.2%	< 30	206.2%	233.0%	30 - 150	Q	
Permethrin	0.000	0.581	0.599	0.400	3.1%	< 30	145.4%	149.9%	50 - 150		
Phosmet	0.000	0.450	0.449	0.400	0.4%	< 30	112.6%	112.2%	50 - 150		
Piperonyl butoxide	0.000	2.168	2.196	2.000	1.3%	< 30	108.4%	109.8%	50 - 150		
Prallethrin	0.000	0.438	0.439	0.400	0.2%	< 30	109.4%	109.7%	50 - 150		
Propiconazole	0.000	0.871	0.877	0.800	0.7%	< 30	108.9%	109.6%	50 - 150		
Propoxur	0.000	0.448	0.451	0.400	0.7%	< 30	112.1%	112.8%	50 - 150		
Pyrethrin (Summe)	0.000	0.314	0.308	0.413	1.8%	< 30	76.0%	74.7%	50 - 150		
Pyridaben	0.000	0.280	0.301	0.400	7.4%	< 30	69.9%	75.3%	50 - 150		
Spinosad	0.000	0.390	0.383	0.388	1.8%	< 30	100.4%	98.7%	50 - 150		
Spiromesifen	0.000	0.347	0.345	0.400	0.4%	< 30	86.7%	86.3%	50 - 150		
Spirotetramat	0.000	0.436	0.453	0.400	3.8%	< 30	108.9%	113.1%	50 - 150		
Spiroxamine	0.000	0.881	0.843	0.800	4.3%	< 30	110.1%	105.4%	50 - 150		
Tebuconazole	0.000	0.890	0.878	0.800	1.4%	< 30	111.3%	109.8%	50 - 150		
Thiacloprid	0.000	0.421	0.419	0.400	0.6%	< 30	105.4%	104.7%	50 - 150		
Thiamethoxam	0.000	0.422	0.474	0.400	11.7%	< 30	105.5%	118.6%	50 - 150		
Trifloxystrobin	0.000	0.426	0.441	0.400	3.3%	< 30	106.6%	110.2%	50 - 150		



12423 NE Whitaker Way  
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503-254-1794



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**Laboratory Quality Control Results**

**J AOAC 2015 V98-6** **Batch ID: 2204346**

**Laboratory Control Sample**

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	1	0.0324	0.033	%	97.3	80.0 - 120	Acceptable	
CBDV	1	0.0353	0.033	%	106	80.0 - 120	Acceptable	
CBE	1	0.0304	0.033	%	91.3	80.0 - 120	Acceptable	
CBDA	1	0.0314	0.033	%	94.1	90.0 - 110	Acceptable	
CBGA	1	0.0303	0.033	%	91.0	80.0 - 120	Acceptable	
CBG	1	0.0296	0.033	%	88.9	80.0 - 120	Acceptable	
CBD	1	0.0318	0.033	%	95.5	90.0 - 110	Acceptable	
THCV	1	0.0318	0.033	%	95.3	80.0 - 120	Acceptable	
d8THCV	1	0.0321	0.033	%	96.4	80.0 - 120	Acceptable	
THCVA	1	0.0310	0.033	%	93.1	80.0 - 120	Acceptable	
CBN	1	0.0331	0.033	%	99.3	90.0 - 110	Acceptable	
exo-THC	1	0.0314	0.033	%	94.1	80.0 - 120	Acceptable	
d9THC	1	0.0321	0.033	%	96.4	90.0 - 110	Acceptable	
d8THC	1	0.0310	0.033	%	93.0	80.0 - 120	Acceptable	
CBL	1	0.0316	0.033	%	94.7	80.0 - 120	Acceptable	
CBC	1	0.0339	0.033	%	102	80.0 - 120	Acceptable	
THCA	1	0.0312	0.033	%	93.7	90.0 - 110	Acceptable	
CBCA	1	0.0332	0.033	%	99.7	80.0 - 120	Acceptable	
CBLA	1	0.0327	0.033	%	98.2	80.0 - 120	Acceptable	
CBT	1	0.0335	0.033	%	100	80.0 - 120	Acceptable	

**Method Blank**

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBE	<LOQ	0.003	%	< 0.003	Acceptable	
CBDA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
d8THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	<LOQ	0.003	%	< 0.003	Acceptable	
d9THC	<LOQ	0.003	%	< 0.003	Acceptable	
d8THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
CBC	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBLA	<LOQ	0.003	%	< 0.003	Acceptable	
CBT	<LOQ	0.003	%	< 0.003	Acceptable	

**Abbreviations**

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

**Units of Measure:**

% - Percent



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: 2204346						
Sample Duplicate		Sample ID: 22-005774-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0392	0.0396	0.003	%	0.998	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.535	0.541	0.003	%	1.00	< 20	Acceptable	
CBD	17.8	18.0	0.003	%	1.02	< 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	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.148	0.149	0.003	%	0.784	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	0.0043	0.0043	0.003	%	0.424	< 20	Acceptable	

**Abbreviations**

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

**Units of Measure:**



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



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Laboratory Quality Control Results

Residual Solvents				Batch ID: 2204489					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		595	572	µg/g	104.0	60 - 120	
Isobutane	ND	< 200		928	731	µg/g	126.9	60 - 120	Q1
Butane	ND	< 200		891	731	µg/g	121.9	60 - 120	Q1
2,2-Dimethylpropane	ND	< 200		1030	936	µg/g	110.0	60 - 120	
Methanol	ND	< 200		1720	1620	µg/g	106.2	60 - 120	
Ethylene Oxide	ND	< 30		66.5	56.2	µg/g	118.3	60 - 120	
2-Methylbutane	ND	< 200		1790	1620	µg/g	110.5	60 - 120	
Pentane	ND	< 200		1790	1610	µg/g	111.2	60 - 120	
Ethanol	ND	< 200		1940	1630	µg/g	119.0	70 - 130	
Ethyl Ether	ND	< 200		1760	1620	µg/g	108.6	60 - 120	
2,2-Dimethylbutane	ND	< 30		187	174	µg/g	107.5	60 - 120	
Acetone	ND	< 200		1620	1650	µg/g	98.2	60 - 120	
2-Propanol	ND	< 200		1770	1610	µg/g	109.9	60 - 120	
Ethyl Formate	ND	< 500		1490	1600	µg/g	93.1	70 - 130	
Acetonitrile	ND	< 100		545	498	µg/g	109.4	60 - 120	
Methyl Acetate	ND	< 500		1820	1610	µg/g	113.0	70 - 130	
2,3-Dimethylbutane	ND	< 30		168	176	µg/g	95.5	60 - 120	
Dichloromethane	ND	< 60		593	510	µg/g	116.3	60 - 120	
2-Methylpentane	ND	< 30		176	176	µg/g	100.0	60 - 120	
MTBE	ND	< 500		1630	1600	µg/g	101.9	70 - 130	
3-Methylpentane	ND	< 30		188	175	µg/g	107.4	60 - 120	
Hexane	ND	< 30		191	177	µg/g	107.9	60 - 120	
1-Propanol	ND	< 500		1730	1610	µg/g	107.5	70 - 130	
Methylethylketone	ND	< 500		1840	1600	µg/g	115.0	70 - 130	
Ethyl acetate	ND	< 200		1930	1630	µg/g	118.4	60 - 120	
2-Butanol	ND	< 200		2320	1620	µg/g	143.2	60 - 120	Q1
Tetrahydrofuran	ND	< 100		608	500	µg/g	121.6	60 - 120	Q1
Cyclohexane	ND	< 200		1860	1620	µg/g	114.8	60 - 120	
2-methyl-1-propanol	ND	< 500		1940	1620	µg/g	119.8	70 - 130	
Benzene	ND	< 1		5.74	5.32	µg/g	107.9	60 - 120	
Isopropyl Acetate	ND	< 200		1820	1620	µg/g	112.3	60 - 120	
Heptane	ND	< 200		1870	1770	µg/g	105.6	60 - 120	
1-Butanol	ND	< 500		1830	1600	µg/g	114.4	70 - 130	
Propyl Acetate	ND	< 500		1810	1600	µg/g	113.1	70 - 130	
1,4-Dioxane	ND	< 100		559	504	µg/g	110.9	60 - 120	
2-Ethoxyethanol	ND	< 30		201	181	µg/g	111.0	60 - 120	
Methylisobutylketone	ND	< 500		1770	1610	µg/g	109.9	70 - 130	
3-Methyl-1-butanol	ND	< 500		1670	1610	µg/g	103.7	70 - 130	
Ethylene Glycol	ND	< 200		351	494	µg/g	71.1	60 - 120	
Toluene	ND	< 100		521	491	µg/g	106.1	60 - 120	
Isobutyl Acetate	ND	< 500		2080	1600	µg/g	130.0	70 - 130	
1-Pentanol	ND	< 500		1840	1610	µg/g	114.3	70 - 130	
Butyl Acetate	ND	< 500		1830	1610	µg/g	113.7	70 - 130	
Ethylbenzene	ND	< 200		1000	973	µg/g	102.8	60 - 120	
m,p-Xylene	ND	< 200		995	996	µg/g	99.9	60 - 120	
o-Xylene	ND	< 200		1000	973	µg/g	102.8	60 - 120	
Cumene	ND	< 30		186	170	µg/g	109.4	60 - 120	
Anisole	ND	< 500		1700	1610	µg/g	105.6	70 - 130	
DMSO	ND	< 500		1510	1630	µg/g	92.6	70 - 130	
1,2-dimethoxyethane	ND	< 50		192	164	µg/g	117.1	70 - 130	
Triethylamine	ND	< 500		1590	1600	µg/g	99.4	70 - 130	
N,N-dimethylformamide	ND	< 150		569	497	µg/g	114.5	70 - 130	
N,N-dimethylacetamide	ND	< 150		456	498	µg/g	91.6	70 - 130	
Pyridine	ND	< 50		243	180	µg/g	135.0	70 - 130	Q1
1,2-Dichloroethane	ND	< 1		0.881	1	µg/g	88.1	70 - 130	
Chloroform	ND	< 1		1.03	1	µg/g	103.0	70 - 130	
Trichloroethylene	ND	< 1		1.03	1	µg/g	103.0	70 - 130	



12423 NE Whitaker Way  
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QC - Sample Duplicate			Sample ID: 22-005769-0001					
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	
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	

**Abbreviations**

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

**Units of Measure:**

µg/g - Microgram per gram or ppm



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



**Report Number:** 22-005788/D003.R000  
**Report Date:** 05/26/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/18/22 10:45





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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.