



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



Report Number: 22-000142/D013.R000
Report Date: 01/13/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/07/22 16:27

Customer:

Product identity: D - Compliant-UKBSD-V2 GVL-TST133 Pri .
Client/Metric ID: 01/07/22
Sample Date: 22-000142-0011
Laboratory ID: No
Evidence of Cooling: 13.1 °C
Temp: Scarminach
Relinquished by:

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2200248	Analyze: 1/10/22 10:08:00 PM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	< LOQ		0.0084		<ul style="list-style-type: none"> ● CBD ● CBG ● CBDV ● 8-THC 	
CBC-A†	< LOQ		0.0084			
CBC-Total†	< LOQ		0.0158			
CBD	95.4		0.844			
CBD-A	< LOQ		0.0084			
CBD-Total	95.4		0.851			
CBDV†	0.220		0.0084			
CBDV-A†	< LOQ		0.0084			
CBDV-Total†	0.220		0.0158			
CBE†	< LOQ		0.0084			
CBG†	4.91		0.0844			
CBG-A†	< LOQ		0.0084			
CBG-Total	4.91		0.0917			
CBL†	< LOQ		0.0084			
CBL-A†	< LOQ		0.0084			
CBL-Total†	< LOQ		0.0158			
CBN	< LOQ		0.0084			
CBT†	< LOQ		0.0084			
Δ8-THC†	0.0193		0.0084			
Δ8-THCV	< LOQ		0.0084			
Δ9-THC	< LOQ		0.0084			
THC-A	< LOQ		0.0084			
THC-Total	< LOQ		0.0158			
THCV†	< LOQ		0.0084			
THCV-A†	< LOQ		0.0084			
THCV-Total†	< LOQ		0.0158			
Total Cannabinoids†	> 98.0					



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Solvents						Residual Solvents by GC/MS						Units µg/g		Batch 2200340		Analyze 01/13/22 03:53 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes								
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass									
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200										
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass									
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200										
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0										
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass									
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass									
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass									
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass									
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass									
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass									
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200										
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass									
Methylpropane (Isobutane)	< LOQ		200			n-Butane	< LOQ		200										
n-Heptane	452	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 2200267 Analyze 01/12/22 08:17 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	
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		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		Paclobutrazole	< 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							



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Relinquished by:

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2200248	Analyze: 1/10/22 10:16:00 PM
Analyte	As Received	Dry weight	LOQ	Notes	<ul style="list-style-type: none"> ● CBD ● CBG ● CBDV 	
CBC	< LOQ		0.0092			
CBC-A†	< LOQ		0.0092			
CBC-Total†	< LOQ		0.0173			
CBD	92.9		0.920			
CBD-A	< LOQ		0.0092			
CBD-Total	92.9		0.928			
CBDV†	0.219		0.0092			
CBDV-A†	< LOQ		0.0092			
CBDV-Total†	0.219		0.0172			
CBE†	< LOQ		0.0092			
CBG†	5.04		0.0920			
CBG-A†	< LOQ		0.0092			
CBG-Total	5.04		0.1000			
CBL†	< LOQ		0.0092			
CBL-A†	< LOQ		0.0092			
CBL-Total†	< LOQ		0.0173			
CBN	< LOQ		0.0092			
CBT†	< LOQ		0.0092			
Δ8-THC†	< LOQ		0.0092			
Δ8-THCV	< LOQ		0.0092			
Δ9-THC	< LOQ		0.0092			
THC-A	< LOQ		0.0092			
THC-Total	< LOQ		0.0173			
THCV†	< LOQ		0.0092			
THCV-A†	< LOQ		0.0092			
THCV-Total†	< LOQ		0.0172			
Total Cannabinoids†	> 98.0					



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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	329	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									
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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	
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		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		Paclobutrazole	< 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							



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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.

† = Analyte not NELAP accredited.

Units of Measure

µg/g = Microgram per gram

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

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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Statistical Analysis:
GVB D - Compliant-UKBSD-V2 GVL-TST133

	Analysis mg/g						
	CBD	CBD-A	CBD-Total	CBN	THC	THC-A	THC-Total
22-000142-0011	954	< 0.016	954	< 0.0228	< 0.0211	< 0.0194	< 0.158
22-000142-0012	929	< 0.0175	929	< 0.0248	< 0.023	< 0.0212	< 0.173
Average mg/g	941.5	n/a	941.5	0.0238	n/a	n/a	n/a
Stdev	12.5	0.000	12.5	0.0010	0.000	0.000	0.000
%RPD	2.7%	0.0%	2.7%	8.4%	0.0%	0.0%	0.0%
Pass/Fail (<15%RPD)	n/a	n/a	n/a	n/a	n/a	n/a	Pass



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ORELAP ID: OR100028
 OLCC license #: 1003224D558

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 Portland OR, 97230
 Phone: (503)254-1794 Fax: (503)254-1452

Cannabis Chain of Custody Record

Client Information		Purchase Order:	
Company:		Project #:	22-000142
Contact:		Project ID:	22-000142
Address:		<input type="checkbox"/> - Send to State (METRC) &/or OHA <input type="checkbox"/> - Email Final Results:	
Email:			
Phone: (909 660-2939)	Fax:		
Processor's License: AG-R1065475IHH		Bill to email/address:	

Columbia Sample ID	Lot#/Metr Tag ID#	Matrix	Product/Strain Name	Date Sampled	Sample Weight (g)	Pesticides - OE 59 Compounds	Pesticide Multi-Residue - 275 Compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast & Mold	Micro: E. Coli & Total Coliform	Heavy Metals	Microbials	Other
22-000142-0001		Extract - Distillate	GVB D - 8SD GVL-T5T129 Primary	1/7/2022	6.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22-000142-0002		Extract - Distillate	GVB D - 8SD GVL-T5T129 Dup	1/7/2022	6.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22-000142-0003		Extract - Distillate	GVB D - 4SD GVL-T5T130 Primary	1/7/2022	6.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22-000142-0004		Extract - Distillate	GVB D - 4SD GVL-T5T130 Dup	1/7/2022	6.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22-000142-0005		Extract - Distillate	GVB D - NDD-CBG GVL-T5T127 Primary	1/7/2022	6.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22-000142-0006		Extract - Distillate	GVB D - NDD-CBG GVL-T5T127 Dup	1/7/2022	6.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22-000142-0007		Extract - Distillate	GVB D - NDD-CBN GVL-T5T131 Primary	1/7/2022	1.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22-000142-0008		Extract - Distillate	GVB D - NDD-CBN GVL-T5T131 Dup	1/7/2022	10.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22-000142-0009		Extract - Distillate	CUSTOM UK CBG DISTILLATE GVL-T5T132 Primary	1/7/2022	0.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22-000142-0010		Extract - Distillate	CUSTOM UK CBG DISTILLATE GVL-T5T132 Dup	1/7/2022	0.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22-000142-0011		Extract - Distillate	GVB D - Compliant-UK8SD-V2 GVL-T5T133 Primary	1/7/2022	6.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22-000142-0012		Extract - Distillate	GVB D - Compliant-UK8SD-V2 GVL-T5T133 Dup	1/7/2022	6.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22-000142-0013		Extract - Distillate	Transportation Blank - No Charge	1/7/2022	1.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Collected By: <input type="checkbox"/> Standard 5 day <input checked="" type="checkbox"/> Rush (1.5 x Standard) <input type="checkbox"/> Priority Rush (2 x Standard) Ask About Availability	Relinquished By: <i>[Signature]</i> Date: 01/07/22 Time: 1:15	Received By: <i>[Signature]</i> Date: 01/07/22 Time: 1:15	Date: 1/7/22 Time: 16:27	Labs Use Only: Client Alias: _____ Order Number: _____ <input type="checkbox"/> Proper Container <input checked="" type="checkbox"/> Sample Condition <i>Good</i> <input checked="" type="checkbox"/> Temperature: <i>13.1c</i> <input type="checkbox"/> Shipped Via: <i>CFE</i> Evidence of cooling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	<i>[Signature]</i> Date: 01/07/22 Time: 1:16 AE			

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO COLUMBIA LABORATORIES WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE LAST PAGE OF THIS FORM

Revision: 0.00 Control#: CF004
 Effective date: 03/20/2020 Revision Date: 03/20/2020

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

Report Number: 22-000142/D013.R000
Report Date: 01/13/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/07/22 16:27



12423 NE Whitaker Way
 Portland OR, 97230
 Phone: (503)254-1794 Fax: (503)254-1452

Cannabis Chain of Custody Record


 ORELAP ID: OR100028
 OLCC license #: 1003224D558

Chain of Custody Instructions	
REPORT ATTENTION -	Name of the person who receives the labs report
CUSTOMER NAME -	Name of the company or individual requesting the analysis.
MAILING ADDRESS -	Address of the customer to which the labs report and billings should be sent.
REPORT INSTRUCTIONS -	A brief description of any special mail or transmittal instruction or address information pertaining to extra report copies.
PROJECT NAME -	Applies to customer project name.
PROJECT NUMBER -	Applies only to samples submitted by the customer for its internal identification purposes.
REPORTING REQUEST STATE COMPLIANCE	Applies to all samples MUST BE CHECKED FOR ALL COMPLIANCE WORK REQUESTED for reporting to METRC
SAMPLE ID -	A short description of the sample point and material to be analyzed. This description will appear on the report.
COLLECTION DATE -	The date on which the sample(s) was/were collected.
COLLECTION TIME -	The time at which the sample(s) was/were collected.
MEDIA -	This is a description of the sample media (e.g., drinking water, waste water, soil, etc.)
ANALYSIS REQUESTED -	Use one line for each analysis or group of analyses associated to a specific bottle or container.
SAMPLE COLLECTED BY -	The person who collected the sample(s) signs here.
RELINQUISHED BY -	The sampler signs this box when he/she gives the sample to someone else, and then fills in the date/time the sample left his/her possession, etc.
RECEIVED BY -	The person who receives the sample(s) signs here and fills in the date/time received. The date and time should be same as "Relinquished by" unless the sample(s) was shipped.
JOB OR SAMPLE REMARKS -	General sample or job remarks such as high concentrations, or hazardous content.
AUTHORIZED CUSTOMER SIGNATURE -	Form must be signed by authorized representative of customer.

TERMS AND CONDITION

PRICING AND CHARGES - Prices to be charged for work performed for CUSTOMER are those currently published in the COLUMBIA LABORATORIES LABS, LLC (COLUMBIA LABORATORIES) standard price book unless otherwise agreed in writing by the CUSTOMER and COLUMBIA LABORATORIES. CUSTOMER must notify COLUMBIA LABORATORIES of price quotation at the time of the transfer of sample(s) to COLUMBIA LABORATORIES. Any cancellation of testing requirements will result in charges being assessed on all testing completed prior to the notice of cancellation. Unless otherwise agreed upon, samples containing hazardous material, will be shipped back to client at their expense, or disposed of at a certain fee, waste category dependent.

DELIVERY AND LIABILITY LIMITATIONS The specific format of the goods will be defined by CUSTOMER to COLUMBIA LABORATORIES upon delivery of the sample(s) to COLUMBIA LABORATORIES. COLUMBIA LABORATORIES will analyze samples provided by CUSTOMER as requested by CUSTOMER in accordance with the procedures documented in the COLUMBIA LABORATORIES Quality Assurance Plan (QAP). Samples are retained for 15-days. If additional time is desired, then a written request is required and an additional monthly fee will apply.

CONFIDENTIALITY - COLUMBIA LABORATORIES will use its best efforts to treat all information regarding work performed for CUSTOMER as proprietary and confidential. No CUSTOMER information will be released to third persons without the written request of the CUSTOMER.

LIMITATION OF LIABILITY AND WARRANTY
 COLUMBIA LABORATORIES gives no warranty, express or implied, or of fitness for a particular purpose, in connection with its analytical testing or reporting. Any liability of COLUMBIA LABORATORIES to CUSTOMER or any third party shall be limited to the cost of analysis charged to CUSTOMER.

PAST DUE ACCOUNTS
 Credit line account are payable within 30 days. Accounts that are past 60 days will incur 1 1/2% per month on all sums past due until paid in full. Customer agrees to pay the interest as a service charge and all of COLUMBIA LABORATORIES's collection costs, including reasonable attorney fees.

EXPERT TESTIMONY AND COURT APPEARANCES
 In the event CUSTOMER requires the further written opinion or testimony of any employee of COLUMBIA LABORATORIES, including response to a subpoena issued by CUSTOMER or any third person, CUSTOMER agrees to pay such additional fees and expenses as may be reasonably assessed by COLUMBIA LABORATORIES.

ALTERNATIVE DISPUTE RESOLUTION (ADR)
 Any disputes arising out of this Agreement or the analytical testing of reporting of COLUMBIA LABORATORIES shall be settled through mediation and/or arbitration rather than litigation, and the cost of the ADR shall be borne equally by both parties.

APPLICABLE LAW
 Legal matters arising from work performed by COLUMBIA LABORATORIES for CUSTOMER will be construed and interpreted in accordance with the laws for the state of Oregon.

Revision: 0.00 Control#: CF004
 Effective date: 03/20/2020 Revision Date: 03/20/2020

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

Report Number: 22-000142/D013.R000
Report Date: 01/13/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/07/22 16:27



Columbia Laboratories
Sampling Record/Field Data

CS Labs Sampling Template Revision 0.00 Control CF042
Revision date: 01/07/2021 Effective Date 01/13/2021

Processor/Client:
Location:
OHA License #:
Requester:
SOP: C913_Extracts and Concentrate Sampling

Date: 1/7/2022
Sampler: Shaine Scarminach
Sampling Event/Project ID: 22-000142
Balance ID: B-20
Thermometer ID: CFL-000716

Table with 7 columns: Weight Used (g), Serial #, Acceptance Limits, Initial Measured, Initial Result, Final Measured, Final Result. Contains two rows of data.

Table with 8 columns: Container type, Batch #, Lot # or METRC ID, Product type, Strain ID, Harvest/Prod Date, Batch size (lbs.), Glass Jar. Includes sub-tables for Product Temp, # of containers, # of Increments, and Increment Log.

Table with 8 columns: Container type, Batch #, Lot # or METRC ID, Product type, Strain ID, Harvest/Prod Date, Batch size (lbs.), Glass Jar. Includes sub-tables for Product Temp, # of containers, # of Increments, and Increment Log.

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Table with 8 columns: Container type, Batch #, Lot # or METRC ID, Product type, Strain ID, Harvest/Prod Date, Batch size (lbs.), Glass Jar. Includes sub-tables for Product Temp, # of containers, # of Increments, and Increment Log.

OLCC license #: 1003224D558
ORELAP#: OR100028

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

Report Number: 22-000142/D013.R000
Report Date: 01/13/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/07/22 16:27



Columbia Laboratories
Sampling Record/Field Data

CS Labs Sampling Template Revision 0.00 Control CF042
Revision date: 01/07/2021 Effective Date 01/13/2021

Processor/Client:
Location:
OHA License #:
Requester:
SOP: C913_Extracts and Concentrate Sampling

Date: 1/7/2022
Sampler: Shaine Scarrinach
Sampling Event/Project ID: 22-000142
Balance ID: 8-20
Thermometer ID: CFL-000716

Table with columns: Weight (g), Serial #, Acceptance Limits, Initial Measured, Initial Result, Final Measured, Final Result. Includes sub-tables for Increment Log, Observations, and Container type details.

OLCC license #: 1003224D558
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12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-000142/D013.R000
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Columbia Laboratories
Sampling Record/Field Data

CS Labs Sampling Template Revision 0.00 Control CF042
Revision date: 01/07/2021 Effective Date 01/13/2021

Processor/Client:
Location:
OHA License #:
Requester:
SOP: C913_Extracts and Concentrate Sampling

Date: 1/7/2022
Sampler: Shaine Scarminach
Sampling Event/Project ID: 22-000142
Balance ID: B-30
Thermometer ID: CFL-000716

Table with multiple sections: Weight Used (g), Observations, Container type, Product type, Strain ID, Harvest/Prod Date, Batch size (lbs.), Increment Log, and Sample Media. Includes various data points for samples and containers.

OLCC license #: 1003224D558
ORELAP#: OR100028

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Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430



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Columbia Laboratories
 Sampling Record/Field Data

CS Labs Sampling Template Revision 0.00 Control CF042
 Revision date: 01/07/2021 Effective Date 01/13/2021

Processor/Client:
 Location:
 OHA License #:
 Requester:
 SOP: C913_Extracts and Concentrate Sampling

Date: 1/7/2022
 Sampler: Shaine Scarmnach
 Sampling Event/Project ID: 22-000142
 Balance ID: B-20
 Thermometer ID: CFL-000716

Weight Use (g)	Serial #	Acceptance Limits	Initial Measured	Initial Result	Final Measured	Final Result	
0.10	CFL-000481	(+/-0.0005g)	0.11	Outlier	0.11	Acceptable	
50.00	CFL-000482	(+/-0.025g)	0.51	Outlier	49.99	Acceptable	
22-000142-0012	10ml Vial	Container ID.1	b1	1.0	1.00	1.00	
22-000142-0012	10ml Vial	Container ID.1	b2	1.0	1.00	1.00	
Totals				6.0	6.00	6.00	
Observations:	batch numbers	marks/labels	container types/sizes	Uniform	plant colors	Shape & Size	Plan or Procedure
Note any inconsistencies or abnormalities	No	No	No	No	No	No	No
Comments: 6.07							

Sampled By: [Signature]

Accepted By: [Signature]

Date: 01/07/21

Date: 01/07/22

Time: 1:14 pm

Time: 1:14 pm



12423 NE Whitaker Way
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Report Number: 22-000142/D013.R000
Report Date: 01/13/2022
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Received: 01/07/22 16:27



Revision #: 0.00 Control : CFL-D06
Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2200248**

Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.204	0.2	%	102	85.0 - 115	Acceptable	
CBDV	0.214	0.2	%	107	85.0 - 115	Acceptable	
CBE	0.193	0.2	%	96.5	85.0 - 115	Acceptable	
CBDA	0.215	0.2	%	107	85.0 - 115	Acceptable	
CBGA	0.204	0.2	%	102	85.0 - 115	Acceptable	
CBG	0.204	0.2	%	102	85.0 - 115	Acceptable	
CBD	0.204	0.2	%	102	85.0 - 115	Acceptable	
THCV	0.194	0.2	%	97.1	85.0 - 115	Acceptable	
d8THCV	0.196	0.2	%	97.8	85.0 - 115	Acceptable	
THCVA	0.202	0.2	%	101	85.0 - 115	Acceptable	
CBN	0.204	0.2	%	102	85.0 - 115	Acceptable	
exo-THC	0.188	0.2	%	94.0	85.0 - 115	Acceptable	
d9THC	0.195	0.2	%	97.6	85.0 - 115	Acceptable	
d8THC	0.191	0.2	%	95.3	85.0 - 115	Acceptable	
CBL	0.178	0.2	%	89.1	85.0 - 115	Acceptable	
CBC	0.203	0.2	%	101	85.0 - 115	Acceptable	
THCA	0.204	0.2	%	102	85.0 - 115	Acceptable	
CBCA	0.210	0.2	%	105	85.0 - 115	Acceptable	
CBLA	0.204	0.2	%	102	85.0 - 115	Acceptable	
CBT	0.222	0.2	%	111	85.0 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.01	%	< 0.01	Acceptable	
CBDV	<LOQ	0.01	%	< 0.01	Acceptable	
CBE	<LOQ	0.01	%	< 0.01	Acceptable	
CBDA	<LOQ	0.01	%	< 0.01	Acceptable	
CBGA	<LOQ	0.01	%	< 0.01	Acceptable	
CBG	<LOQ	0.01	%	< 0.01	Acceptable	
CBD	<LOQ	0.01	%	< 0.01	Acceptable	
THCV	<LOQ	0.01	%	< 0.01	Acceptable	
d8THCV	<LOQ	0.01	%	< 0.01	Acceptable	
THCVA	<LOQ	0.01	%	< 0.01	Acceptable	
CBN	<LOQ	0.01	%	< 0.01	Acceptable	
exo-THC	<LOQ	0.01	%	< 0.01	Acceptable	
d9THC	<LOQ	0.01	%	< 0.01	Acceptable	
d8THC	<LOQ	0.01	%	< 0.01	Acceptable	
CBL	<LOQ	0.01	%	< 0.01	Acceptable	
CBC	<LOQ	0.01	%	< 0.01	Acceptable	
THCA	<LOQ	0.01	%	< 0.01	Acceptable	
CBCA	<LOQ	0.01	%	< 0.01	Acceptable	
CBLA	<LOQ	0.01	%	< 0.01	Acceptable	
CBT	<LOQ	0.01	%	< 0.01	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
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Report Number: 22-000142/D013.R000
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Received: 01/07/22 16:27

Revision #: 0.00 Control : CFL-D06
 Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6								
Batch ID: 2200248								
Sample Duplicate								
Sample ID: 21-003811-0004								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	0.831	0.785	0.0975	%	5.65	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.0975	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.0975	%	NA	< 20	Acceptable	
CBDA	73.9	68.8	0.0975	%	7.17	< 20	Acceptable	
CBGA	0.396	0.356	0.0975	%	10.5	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.0975	%	NA	< 20	Acceptable	
CBD	0.647	0.580	0.0975	%	10.9	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.0975	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.0975	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.0975	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.0975	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.0975	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.0975	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.0975	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.0975	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.0975	%	NA	< 20	Acceptable	
THCA	0.110	0.0998	0.0975	%	9.55	< 20	Acceptable	
CBCA	0.186	0.164	0.0975	%	12.7	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.0975	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.0975	%	NA	< 20	Acceptable	

Abbreviations

- ND - None Detected at or above MRL
- RPD - Relative Percent Difference
- LOQ - Limit of Quantitation
- NA - Calculation Not Applicable given non-numerical results

Units of Measure:

% - Percent



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



Report Number: 22-000142/D013.R000
Report Date: 01/13/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/07/22 16:27

Revision: 2 Document ID: 3120
 Legacy ID: CFL-C21Effective:

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 2200267				
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	0.018	< 0.250		1.106	1.000	110.6	73.3 - 136	
Acequinocyl	0.000	< 1.000		3.986	4.000	99.7	74.6 - 139	
Acetamiprid	0.000	< 0.100		0.440	0.400	110.1	73.0 - 136	
Aldicarb	0.000	< 0.200		0.846	0.800	105.8	74.2 - 138	
Abamectin	0.000	< 0.250		0.906	1.000	90.6	76.8 - 143	
Azoxystrobin	0.001	< 0.100		0.414	0.400	103.6	72.4 - 134	
Bifenazate	0.000	< 0.100		0.568	0.400	141.9	86.2 - 160	
Bifenthrin	0.000	< 0.100		0.397	0.400	99.3	72.7 - 135	
Boscalid	0.000	< 0.200		0.870	0.800	108.7	74.2 - 138	
Carbaryl	0.000	< 0.100		0.422	0.400	105.6	73.6 - 137	
Carbofuran	0.000	< 0.100		0.425	0.400	106.2	74.5 - 138	
Chlorantraniliprol	0.000	< 0.100		0.422	0.400	105.6	68.4 - 127	
Chlorfenapyr	0.025	< 0.500		2.097	2.000	104.9	73.5 - 137	
Chlorpyrifos	0.000	< 0.100		0.424	0.400	105.9	70.9 - 132	
Clofentezine	0.000	< 0.100		0.421	0.400	105.1	71.8 - 133	
Cyfluthrin	0.000	< 0.500		2.069	2.000	103.4	75.2 - 140	
Cypermethrin	0.000	< 0.500		2.139	2.000	107.0	73.5 - 137	
Daminozide	0.272	< 0.500		2.415	2.000	120.7	72.1 - 134	
Diazinon	0.000	< 0.100		0.452	0.400	113.0	75.3 - 140	
Dichlorvos	0.000	< 0.500		2.082	2.000	104.1	72.3 - 134	
Dimethoat	0.000	< 0.100		0.438	0.400	109.6	72.9 - 135	
Ethoprophos	0.000	< 0.100		0.447	0.400	111.7	72.1 - 134	
Etofenprox	0.000	< 0.200		0.842	0.800	105.3	75.2 - 140	
Etoxazol	0.000	< 0.100		0.397	0.400	99.3	74.5 - 138	
Fenoxycarb	0.000	< 0.100		0.423	0.400	105.7	72.9 - 135	
Fenpyroximat	0.000	< 0.200		0.810	0.800	101.3	74.1 - 138	
Fipronil	0.000	< 0.200		0.898	0.800	112.2	75.1 - 139	
Fonicamid	0.000	< 0.250		0.910	1.000	91.0	73.0 - 136	
Fludioxonil	0.000	< 0.200		0.912	0.800	114.0	75.4 - 140	
Hexythiazox	0.000	< 0.250		1.029	1.000	102.9	71.6 - 133	
Imazalil	0.000	< 0.100		0.440	0.400	110.1	75.1 - 139	
Imidacloprid	0.000	< 0.200		0.836	0.800	104.5	73.5 - 137	
Kresoxim-Methyl	0.000	< 0.200		0.881	0.800	110.1	73.4 - 136	
Malathion	0.000	< 0.100		0.460	0.400	114.9	73.8 - 137	
Metalaxyl	0.000	< 0.100		0.425	0.400	106.3	73.7 - 137	
Methiocalb	0.007	< 0.100		0.423	0.400	105.7	73.4 - 136	
Methomyl	0.000	< 0.200		0.828	0.800	103.5	72.2 - 134	
MGK 264	0.000	< 0.100		0.420	0.400	104.9	73.6 - 137	
Myclobutanil	0.000	< 0.100		0.450	0.400	112.5	73.3 - 136	
Naled	0.000	< 0.250		1.063	1.000	106.3	73.3 - 136	
Oxamyl	0.000	< 0.500		2.205	2.000	110.2	72.7 - 135	
Paclobutrazol	0.000	< 0.200		0.833	0.800	104.1	73.3 - 136	
Parathion Methyl	0.060	< 0.200		0.806	0.800	100.7	76.2 - 141	
Permethrin	0.000	< 0.100		0.409	0.400	102.3	73.0 - 136	
Phosmet	0.000	< 0.100		0.423	0.400	105.7	73.5 - 137	
Piperonyl butoxide	0.000	< 0.500		2.116	2.000	105.8	76.0 - 141	
Prallethrin	0.000	< 0.100		0.403	0.400	100.8	73.5 - 137	
Propiconazole	0.000	< 0.200		0.851	0.800	106.3	73.4 - 136	
Propoxur	0.004	< 0.100		0.424	0.400	105.9	72.6 - 135	
Pyrethrins	0.000	< 0.100		0.438	0.413	106.1	67.9 - 126	
Pyridaben	0.000	< 0.100		0.426	0.400	106.4	73.1 - 136	
Spinosad	0.000	< 0.100		0.404	0.388	104.2	75.5 - 140	
Spiromesfen	0.000	< 0.100		0.440	0.400	110.0	74.7 - 139	
Spirotetramat	0.000	< 0.100		0.430	0.400	107.4	73.6 - 137	
Spiroxamine	0.000	< 0.200		0.839	0.800	104.9	71.6 - 133	
Tebuconazol	0.000	< 0.200		0.869	0.800	108.6	74.1 - 138	
Thiacloprid	0.000	< 0.100		0.425	0.400	106.2	73.5 - 136	
Thiamethoxam	0.000	< 0.100		0.411	0.400	102.8	72.1 - 134	
Trifloxystrobin	0.000	< 0.100		0.417	0.400	104.3	73.5 - 137	



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



Report Number: 22-000142/D013.R000
Report Date: 01/13/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/07/22 16:27

Revision: 2 Document ID: 3120
Legacy ID: CFL-C21Effective:

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg					Batch ID: 2200267			
Matrix Spike/Matrix Spike Duplicate Recoveries										Sample ID: 22-000142-0001
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Accephate	0.017	1.063	1.039	1.000	2.4%	< 30	104.6%	102.1%	50 - 150	
Acetamiprid	0.349	4.787	5.237	4.000	9.6%	< 30	110.9%	122.2%	50 - 150	
Aldicarb	0.000	0.422	0.414	0.400	1.8%	< 30	105.4%	103.5%	50 - 150	
Abamectin	0.000	0.820	0.848	0.800	3.3%	< 30	102.5%	106.0%	50 - 150	
Azoxystrobin	0.001	0.391	0.386	0.400	9.8%	< 30	82.3%	90.8%	50 - 150	
Bifenazate	0.000	0.622	0.613	0.400	1.4%	< 30	97.5%	96.1%	50 - 150	
Bifenthrin	0.027	0.329	0.348	0.400	1.6%	< 30	155.6%	153.2%	50 - 150	Q1
Boscalid	0.023	0.879	0.859	0.800	5.9%	< 30	75.7%	80.3%	50 - 150	
Carbaryl	0.000	0.380	0.390	0.400	2.3%	< 30	107.0%	104.5%	50 - 150	
Carbofuran	0.000	0.366	0.366	0.400	2.7%	< 30	95.0%	97.6%	50 - 150	
Chlorantraniliprol	0.000	0.406	0.408	0.400	0.2%	< 30	91.4%	91.6%	50 - 150	
Chlorfenapyr	0.087	1.709	1.694	2.000	0.4%	< 30	101.6%	102.0%	50 - 150	
Chlorpyrifos	0.017	0.133	0.117	0.400	1.0%	< 30	81.1%	80.3%	50 - 150	
Clofentezine	0.000	0.309	0.306	0.400	15.1%	< 30	29.1%	25.0%	50 - 150	Q
Cyfluthrin	0.000	1.042	0.982	2.000	0.9%	< 30	77.2%	76.5%	50 - 150	
Cypermethrin	0.000	1.931	2.024	2.000	5.9%	< 30	52.1%	49.1%	30 - 150	
Daminozide	0.294	2.423	2.422	2.000	4.7%	< 30	96.6%	101.2%	50 - 150	
Diazinon	0.000	0.419	0.423	0.400	0.0%	< 30	106.4%	106.4%	30 - 150	
Dichlorvos	0.000	1.941	1.917	2.000	1.0%	< 30	104.7%	105.7%	50 - 150	
Dimethoat	0.000	0.425	0.424	0.400	1.2%	< 30	97.1%	95.9%	50 - 150	
Ethoprophos	0.013	0.410	0.414	0.400	0.3%	< 30	106.3%	106.0%	50 - 150	
Etofenprox	0.000	0.721	0.763	0.800	1.0%	< 30	99.3%	100.3%	50 - 150	
Etoxazol	0.000	0.405	0.409	0.400	5.7%	< 30	90.1%	95.4%	50 - 150	
Fenoxycarb	0.000	0.335	0.330	0.400	1.0%	< 30	101.3%	102.4%	50 - 150	
Fenpyroximat	0.000	0.664	0.708	0.800	1.6%	< 30	83.7%	82.4%	50 - 150	
Fipronil	0.000	0.478	0.459	0.800	6.5%	< 30	83.0%	88.5%	50 - 150	
Flonicamid	0.123	0.993	0.874	1.000	4.0%	< 30	59.8%	57.4%	50 - 150	
Fludioxonil	0.000	0.922	0.741	0.800	14.7%	< 30	86.9%	75.0%	50 - 150	
Hexythiazox	0.000	0.246	0.246	1.000	21.8%	< 30	115.2%	92.6%	50 - 150	
Imazalil	0.005	0.411	0.411	0.400	0.2%	< 30	24.6%	24.6%	50 - 150	Q
Imidacloprid	0.000	0.829	0.813	0.800	0.2%	< 30	101.6%	101.4%	50 - 150	
Kresoxim-Methyl	0.000	0.756	0.753	0.800	1.9%	< 30	103.6%	101.7%	50 - 150	
Malathion	0.000	0.423	0.419	0.400	0.4%	< 30	94.5%	94.1%	50 - 150	
Metaxalyl	0.005	0.403	0.406	0.400	0.8%	< 30	105.7%	104.9%	50 - 150	
Methiocarb	0.000	0.384	0.361	0.400	0.6%	< 30	99.5%	100.1%	50 - 150	
Methomyl	0.000	0.865	0.848	0.800	6.1%	< 30	96.1%	90.4%	50 - 150	
MGK 264	0.008	0.237	0.225	0.400	2.0%	< 30	108.2%	106.0%	50 - 150	
Myclobutanil	0.000	0.402	0.418	0.400	5.4%	< 30	57.2%	54.2%	50 - 150	
Naled	0.000	0.867	0.927	1.000	4.0%	< 30	100.5%	104.6%	50 - 150	
Oxamyl	0.000	2.307	2.051	2.000	6.7%	< 30	86.7%	92.7%	50 - 150	
Paclobutrazol	0.000	0.732	0.730	0.800	11.8%	< 30	115.4%	102.6%	50 - 150	
Parathion Methyl	0.051	0.755	0.891	0.800	0.2%	< 30	91.4%	91.3%	50 - 150	
Permethrin	0.000	0.412	0.410	0.400	17.7%	< 30	87.9%	105.0%	30 - 150	
Phosmet	0.000	0.413	0.400	0.400	0.5%	< 30	103.1%	102.6%	50 - 150	
Piperonyl butoxide	0.045	2.003	2.045	2.000	3.1%	< 30	103.2%	100.0%	50 - 150	
Prallethrin	0.078	0.254	0.283	0.400	2.1%	< 30	97.9%	100.0%	50 - 150	
Propiconazole	0.000	0.772	0.781	0.800	15.4%	< 30	43.9%	51.2%	50 - 150	Q
Propoxur	0.001	0.401	0.404	0.400	1.3%	< 30	96.5%	97.7%	50 - 150	
Pyrethrins	0.015	0.664	0.569	0.413	0.8%	< 30	99.9%	100.7%	50 - 150	
Pyridaben	0.000	0.435	0.439	0.400	15.6%	< 30	157.1%	134.3%	50 - 150	Q1
Spinosad	0.000	0.367	0.376	0.388	1.0%	< 30	108.7%	109.8%	50 - 150	
Spiromesfen	0.033	0.459	0.428	0.400	2.5%	< 30	94.6%	97.0%	50 - 150	
Spirotetramat	0.000	0.440	0.456	0.400	7.4%	< 30	106.4%	98.8%	50 - 150	
Spiroxamine	0.000	0.831	0.837	0.800	3.7%	< 30	110.0%	114.1%	50 - 150	
Tebuconazol	0.000	0.725	0.718	0.800	0.8%	< 30	103.9%	104.7%	50 - 150	
Thiacloprid	0.000	0.399	0.403	0.400	0.9%	< 30	90.6%	89.8%	50 - 150	
Thiamethoxam	0.000	0.416	0.399	0.400	0.9%	< 30	99.8%	100.6%	50 - 150	
Trifloxystrobin	0.008	0.373	0.386	0.400	4.2%	< 30	103.9%	99.7%	50 - 150	



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Report Number: 22-000142/D013.R000
Report Date: 01/13/2022
ORELAP#: OR100028
Purchase Order:
Received: 01/07/22 16:27

Revision: Document ID:
Legacy ID: Effective:

Laboratory Quality Control Results

Batch ID: 2200340

Residual Solvents		Method Blank		Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		1330	1400	µg/g	95.0	70 - 130	
Isobutane	ND	< 200		1770	1780	µg/g	99.4	70 - 130	
Butane	ND	< 200		1780	1790	µg/g	99.4	70 - 130	
2,2-Dimethylpropane	ND	< 200		1970	2190	µg/g	90.0	70 - 130	
Methanol	ND	< 200		1450	1610	µg/g	90.1	70 - 130	
Ethylene Oxide	ND	< 30		138	141	µg/g	97.9	70 - 130	
2-Methylbutane	ND	< 200		1590	1630	µg/g	97.5	70 - 130	
Pentane	ND	< 200		1600	1610	µg/g	99.4	70 - 130	
Ethanol	ND	< 200		1580	1630	µg/g	96.9	70 - 130	
Ethyl Ether	ND	< 200		1600	1610	µg/g	99.4	70 - 130	
2,2-Dimethylbutane	ND	< 30		176	165	µg/g	106.7	70 - 130	
Acetone	ND	< 200		1590	1610	µg/g	98.8	70 - 130	
2-Propanol	ND	< 200		1530	1610	µg/g	95.0	70 - 130	
Acetonitrile	ND	< 100		543	498	µg/g	109.0	70 - 130	
2,3-Dimethylbutane	ND	< 30		159	162	µg/g	98.1	70 - 130	
Dichloromethane	ND	< 60		487	498	µg/g	97.8	70 - 130	
2-Methylpentane	ND	< 30		174	167	µg/g	104.2	70 - 130	
3-Methylpentane	ND	< 30		177	179	µg/g	98.9	70 - 130	
Hexane	ND	< 30		158	164	µg/g	96.3	70 - 130	
Ethyl acetate	ND	< 200		1540	1620	µg/g	95.1	70 - 130	
2-Butanol	ND	< 200		1530	1600	µg/g	95.6	70 - 130	
Tetrahydrofuran	ND	< 100		488	500	µg/g	97.6	70 - 130	
Cyclohexane	ND	< 200		1560	1610	µg/g	96.9	70 - 130	
Benzene	ND	< 1		5.77	5.62	µg/g	102.7	70 - 130	
Isopropyl Acetate	ND	< 200		1520	1610	µg/g	94.4	70 - 130	
Heptane	ND	< 200		1530	1610	µg/g	95.0	70 - 130	
1,4-Dioxane	ND	< 100		530	502	µg/g	105.6	70 - 130	
2-Ethoxyethanol	ND	< 30		130	164	µg/g	79.3	70 - 130	
Ethylene Glycol	ND	< 200		441	502	µg/g	87.8	70 - 130	
Toluene	ND	< 200		451	488	µg/g	92.4	70 - 130	
Ethylbenzene	ND	< 200		869	965	µg/g	90.1	70 - 130	
m,p-Xylene	ND	< 200		877	990	µg/g	88.6	70 - 130	
o-Xylene	ND	< 200		831	971	µg/g	85.6	70 - 130	
Cumene	ND	< 30		149	179	µg/g	83.2	70 - 130	
1,2-Dichloroethane	ND	< 1		1.03	1	µg/g	103.0	70 - 130	
Chloroform	ND	< 1		1.05	1	µg/g	105.0	70 - 130	
Trichloroethylene	ND	< 1		0.932	1	µg/g	93.2	70 - 130	



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QC - Sample Duplicate Sample ID: 22-000142-0001

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	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	288	286	200	µg/g	0.7	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	200	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	
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

Units of Measure:

µg/g - Microgram per gram or ppm



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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.