



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

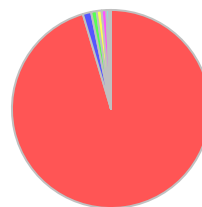
Report Number: 22-001538/D003.R000
Report Date: 02/15/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/10/22 15:44



Customer: USA Medical
United States of America (USA)
Product identity: TST-177-GVB D-BSD Primary
Client/Metric ID: .
Sample Date: 02/10/22 12:00
Laboratory ID: 22-001538-0007
Evidence of Cooling: No
Temp: 18.9 °C
Relinquished by: Thompson

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2201328	Analyze: 2/15/22 3:58:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	1.25		0.0927			
CBC-A†	< LOQ		0.0927			
CBC-Total†	1.25		0.174			
CBD	87.5		0.927			
CBD-A	< LOQ		0.0927			
CBD-Total	87.5		1.01			
CBDV†	0.401		0.0927			
CBDV-A†	< LOQ		0.0927			
CBDV-Total†	0.401		0.173			
CBE†	0.818		0.0927			
CBG†	0.277		0.0927			
CBG-A†	< LOQ		0.0927			
CBG-Total	0.277		0.173			
CBL†	< LOQ		0.0927			
CBL-A†	< LOQ		0.0927			
CBL-Total†	< LOQ		0.174			
CBN	0.713		0.0927			
CBT†	0.745		0.0927			
Δ8-THC†	< LOQ		0.0927			
Δ8-THCV	< LOQ		0.0927			
Δ9-THC	< LOQ		0.0927			
THC-A	< LOQ		0.0927			
THC-Total	< LOQ		0.174			
THCV†	< LOQ		0.0927			
THCV-A†	< LOQ		0.0927			
THCV-Total†	< LOQ		0.173			
Total Cannabinoids†	91.7					



- CBD
- CBC
- CBE
- CBT
- CBN
- CBDV
- CBG



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Solvents						Residual Solvents by GC/MS							
Analyte	Method	Result	Limits	LOQ	Status	Notes	Analyte	Method	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 2201285 Analyze 02/15/22 08:20 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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Product identity: TST-177-GVB D-BSD Dup
Client/Metric ID: .
Sample Date: 02/10/22 12:00
Laboratory ID: 22-001538-0008
Evidence of Cooling: No
Temp: 18.9 °C
Relinquished by: Thompson

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2201328	Analyze: 2/15/22 4:06:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	1.19		0.0921		<ul style="list-style-type: none"> ● CBD ● CBC ● CBE ● CBT ● CBN ● CBDV ● CBG 	
CBC-A†	< LOQ		0.0921			
CBC-Total†	1.19		0.173			
CBD	88.0		0.921			
CBD-A	< LOQ		0.0921			
CBD-Total	88.0		1.00			
CBDV†	0.401		0.0921			
CBDV-A†	< LOQ		0.0921			
CBDV-Total†	0.401		0.172			
CBE†	0.793		0.0921			
CBG†	0.262		0.0921			
CBG-A†	< LOQ		0.0921			
CBG-Total	0.262		0.172			
CBL†	< LOQ		0.0921			
CBL-A†	< LOQ		0.0921			
CBL-Total†	< LOQ		0.173			
CBN	0.676		0.0921			
CBT†	0.720		0.0921			
Δ8-THC†	< LOQ		0.0921			
Δ8-THCV	< LOQ		0.0921			
Δ9-THC	< LOQ		0.0921			
THC-A	< LOQ		0.0921			
THC-Total	< LOQ		0.173			
THCV†	< LOQ		0.0921			
THCV-A†	< LOQ		0.0921			
THCV-Total†	< LOQ		0.172			
Total Cannabinoids†	92.0					



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Solvents						Residual Solvents by GC/MS							
Method	Result	Limits	LOQ	Status	Notes	Units µg/g	Batch	Analyze	Result	Limits	LOQ	Status	Notes
	< LOQ	380	100	pass		2-Butanol	2201254	02/14/22 10:55 AM	< LOQ	5000	200	pass	
	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)			< LOQ		200		
	< LOQ		30.0			2-Propanol (IPA)			< LOQ	5000	200	pass	
	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)			< LOQ		200		
	< LOQ		30.0			3-Methylpentane			< LOQ		30.0		
	< LOQ	5000	200	pass		Acetonitrile			< LOQ	410	100	pass	
	< LOQ	2.00	1.00	pass		Butanes (sum)			< LOQ	5000	400	pass	
	< LOQ	3880	200	pass		Ethyl acetate			< LOQ	5000	200	pass	
	< LOQ		200			Ethyl ether			< LOQ	5000	200	pass	
	< LOQ	620	200	pass		Ethylene oxide			< LOQ	50.0	20.0	pass	
	< LOQ	290	150	pass		Isopropyl acetate			< LOQ	5000	200	pass	
	< LOQ	70.0	30.0	pass		m,p-Xylene			< LOQ		200		
	< LOQ	3000	200	pass		Methylene chloride			< LOQ	600	60.0	pass	
	< LOQ		200			n-Butane			< LOQ		200		
	< LOQ	5000	200	pass		n-Hexane			< LOQ		30.0		
	< LOQ		200			o-Xylene			< LOQ		200		
	< LOQ	5000	600	pass		Propane			< LOQ	5000	200	pass	
	< LOQ	720	100	pass		Toluene			< LOQ	890	100	pass	
	< LOQ		400			Total Xylenes and Ethyl benzene			< LOQ	2170	600	pass	



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Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2201285 Analyze 02/15/22 08:20 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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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:
 TST-177-GVB D-BSD**

	Analysis mg/g						
	CBD	CBD-A	CBD-Total	CBN	THC	THC-A	THC-Total
22-001538-0007	875	< 0.176	875	7.13	< 0.232	< 0.213	< 1.74
22-001538-0008	880	< 0.175	880	6.76	< 0.23	< 0.212	< 1.73
Average mg/g	877.5	n/a	877.5	6.945	n/a	n/a	n/a
Stdev	2.50	0.000	2.50	0.185	0.000	0.000	0.000
%RPD	0.6%	0.0%	0.6%	5.3%	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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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 #: 10032240558

Client Information		Purchase Order:	
Company: GVB Biopharma		Project #:	
Contact: Chelsea Thomas		Project ID:	
Address: 212 NE North St., Grass Valley, Oregon 97029		<input type="checkbox"/> - Send to State (METRC) &/or OHA	
Email: rob@gvbbiopharma.com		<input checked="" type="checkbox"/> Email Final Results:	
Phone: 909-660-2939 Fax:			
Processor's License: AG-R1065475IHH		Bill to email/address:	

Sample #	Columbia Sample ID	Lot#/Metrc Tag ID#	Matrix	Product/Strain Name	Date Sampled	Sample Weight (g)	Pesticides - OR 59 Compounds	Pesticide Multi-Residue - 379 Compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast & Mold	Micro: E.Coli & Total Coliform	Heavy Metals	Mycotoxins	Other
1	22-001538-0001	N/A	Extract - Distillate	TST-166-GVB D-CRD Primary	2/10/2022	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	22-001538-0002	N/A	Extract - Distillate	TST-166-GVB D-CRD Dup	2/10/2022	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	22-001538-0003	N/A	Extract - Distillate	TST-167-GVB D-CRD Primary	2/10/2022	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	22-001538-0004	N/A	Extract - Distillate	TST-167-GVB D-CRD Dup	2/10/2022	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	22-001538-0005	N/A	Extract - Distillate	TST-168-GVB D-CRD Primary	2/10/2022	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	22-001538-0006	N/A	Extract - Distillate	TST-168-GVB D-CRD Dup	2/10/2022	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	22-001538-0007	N/A	Extract - Distillate	TST-170-GVB D-BSD Primary	2/10/2022	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	22-001538-0008	N/A	Extract - Distillate	TST-170-GVB D-BSD Dup	2/10/2022	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	22-001538-0009	N/A	Extract - Distillate	TST-171-GVB D-BSD Primary	2/10/2022	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	22-001538-0010	N/A	Extract - Distillate	TST-171-GVB D-BSD Dup	2/10/2022	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	22-001538-0011	N/A	Extract - Oil	Transport Blank - No Charge	2/10/2022	1.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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

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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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 Phone: (503)254-1794 Fax: (503)254-1452

Cannabis Chain of Custody Record



ORELAP ID: OR100028
 OLCC license #: 1003224D558

Collected By:	Relinquished By:	Date	Time	Received By:	Date	Time	Labs Use Only:
<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	<i>[Signature]</i>	2/10/22	12:51	<i>[Signature]</i>	2/10/22	12:51	Client Alias: _____ Order Number: _____ <input type="checkbox"/> Proper Container <input type="checkbox"/> Sample Condition <input type="checkbox"/> Temperature: 18.9 °C <input type="checkbox"/> Shipped Via: _____ Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No
	<i>[Signature]</i>	2/10/22	15:33	<i>[Signature]</i>	2/10/22	15:44	

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: 22-001538/D003.R000
Report Date: 02/15/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/10/22 15:44



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 1½% 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 or 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: 22-001538/D003.R000
 Report Date: 02/15/2022
 ORELAP#: OR100028
 Purchase Order:
 Received: 02/10/22 15:44



Columbia Laboratories
 Sampling Record/Field Data

CS Labi Sampling Template Revision 0.00 Control CP041
 Revision date: 01/07/2021 Effective Date DRAFT/2021

Processor/Client: GVB Biopharma
 Location: 212 NE North St. Grass Valley, Oregon 97029
 OHA License #: AG-R1065475HH
 Requester: Chelsea Thomas
 SOP: C913_Extracts and Concentrate Sampling

Date: 2/10/2022
 Sampler: Thompson
 Sampling Event/Project ID: 22-001538
 Balance ID: B-20
 Thermometer ID: CFL-000716

Weight Used (g)	Serial #	Acceptance Limits	Initial Measured	Initial Result	Final Measured	Final Result
0.10	CFL-000501	(+/-0.0005g)	0.10	Acceptable	0.10	Acceptable
50.00	CFL-000480	(+/-0.025g)	50.00	Acceptable	50.00	Acceptable

Container ID	Sample Media	Container ID	Inc. Zone	Media Wt. (g)	Vol. Sample (ml)	Wt. Inc. & Media (g)	Sample Weight	MetricID
22-001538-0003	10ml Vial	Container ID.1	m2		1.0		1.00	
22-001538-0003	10ml Vial	Container ID.1	m4		1.0		1.00	

Observations:	batch numbers	marks/labels	container types/sites	Uniform	plant colors	Shape & Size	Plan or Procedure
Note any inconsistencies or abnormalities	No	No	No	No	No	No	No

Container type	Batch #, Lot # or METRC ID	Product type	Strain ID	Harvest/Prod Date	Batch size (lbs.)
Glass Jar	N/A	Extract - Distillate	TST-167-GVB D-CRD Dup	2/1/2022	392.00

Product Temp @	# of containers	# of Increments	primary sample (ml)
	1	16	1.00

Increment ID #1 ID	Sample Media	Container ID	Inc. Zone	Media Wt. (g)	Vol. Sample (ml)	Wt. Inc. & Media (g)	Sample Weight	MetricID
22-001538-0004	10ml Vial	Container ID.1	b2	15.52	1.0	16.52	1.00	
22-001538-0004	10ml Vial	Container ID.1	t2		1.0		1.00	
22-001538-0004	10ml Vial	Container ID.1	t3		1.0		1.00	
22-001538-0004	10ml Vial	Container ID.1	b1		1.0		1.00	
22-001538-0004	10ml Vial	Container ID.1	t4		1.0		1.00	
22-001538-0004	10ml Vial	Container ID.1	b4		1.0		1.00	
22-001538-0004	10ml Vial	Container ID.1	m4		1.0		1.00	
22-001538-0004	10ml Vial	Container ID.1	b3		1.0		1.00	
22-001538-0004	10ml Vial	Container ID.1	m1		1.0		1.00	
22-001538-0004	10ml Vial	Container ID.1	m2		1.0		1.00	
22-001538-0004	10ml Vial	Container ID.1	m1		1.0		1.00	
22-001538-0004	10ml Vial	Container ID.1	t4		1.0		1.00	
22-001538-0004	10ml Vial	Container ID.1	m3		1.0		1.00	
22-001538-0004	10ml Vial	Container ID.1	t3		1.0		1.00	
22-001538-0004	10ml Vial	Container ID.1	m1		1.0		1.00	
22-001538-0004	10ml Vial	Container ID.1	m3		1.0		1.00	

Observations:	batch numbers	marks/labels	container types/sites	Uniform	plant colors	Shape & Size	Plan or Procedure
Note any inconsistencies or abnormalities	No	No	No	No	No	No	No

Container type	Batch #, Lot # or METRC ID	Product type	Strain ID	Harvest/Prod Date	Batch size (lbs.)
Glass Jar	N/A	Extract - Distillate	TST-168-GVB D-CRD Primary	2/1/2022	444.00

Product Temp @	# of containers	# of Increments	primary sample (ml)
	1	16	1.00

Increment ID #1 ID	Sample Media	Container ID	Inc. Zone	Media Wt. (g)	Vol. Sample (ml)	Wt. Inc. & Media (g)	Sample Weight	MetricID
22-001538-0005	10ml Vial	Container ID.1	t2	14.80	1.0	15.80	1.00	
22-001538-0005	10ml Vial	Container ID.1	m4		1.0		1.00	
22-001538-0005	10ml Vial	Container ID.1	m4		1.0		1.00	
22-001538-0005	10ml Vial	Container ID.1	t3		1.0		1.00	
22-001538-0005	10ml Vial	Container ID.1	b1		1.0		1.00	
22-001538-0005	10ml Vial	Container ID.1	b1		1.0		1.00	
22-001538-0005	10ml Vial	Container ID.1	m2		1.0		1.00	
22-001538-0005	10ml Vial	Container ID.1	t2		1.0		1.00	
22-001538-0005	10ml Vial	Container ID.1	b3		1.0		1.00	
22-001538-0005	10ml Vial	Container ID.1	t1		1.0		1.00	
22-001538-0005	10ml Vial	Container ID.1	b1		1.0		1.00	
22-001538-0005	10ml Vial	Container ID.1	t4		1.0		1.00	
22-001538-0005	10ml Vial	Container ID.1	t1		1.0		1.00	
22-001538-0005	10ml Vial	Container ID.1	m4		1.0		1.00	
22-001538-0005	10ml Vial	Container ID.1	m1		1.0		1.00	
22-001538-0005	10ml Vial	Container ID.1	m4		1.0		1.00	

Observations:	batch numbers	marks/labels	container types/sites	Uniform	plant colors	Shape & Size	Plan or Procedure
Note any inconsistencies or abnormalities	No	No	No	No	No	No	No

Container type	Batch #, Lot # or METRC ID	Product type	Strain ID	Harvest/Prod Date	Batch size (lbs.)
Glass Jar	N/A	Extract - Distillate	TST-169-GVB D-CRD Dup	2/1/2022	444.00

Product Temp @	# of containers	# of Increments	primary sample (ml)
	1	16	1.00

Increment ID #1 ID	Sample Media	Container ID	Inc. Zone	Media Wt. (g)	Vol. Sample (ml)	Wt. Inc. & Media (g)	Sample Weight	MetricID
22-001538-0006	10ml Vial	Container ID.1	b2	15.03	1.0	16.03	1.00	
22-001538-0006	10ml Vial	Container ID.1	b3		1.0		1.00	

OLCC license #: 10032240558
 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



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



Report Number: 22-001538/D003.R000
Report Date: 02/15/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/10/22 15:44

Columbia Laboratories
Sampling Record/Field Data

CS Labs Sampling Template Revision 0.00 Control CF01
Revision date: 01/07/2021 Effective Date DR047/2021

Processor/Client: GVB Biopharma
Location: 212 NE North St. Grass Valley, Oregon 97029
OHA License #: AG-R1065475HHH
Requester: Chelsea Thomas
SOP: C913_Extracts and Concentrate Sampling

Date: 2/10/2022
Sampler: Thompson
Sampling Event/Project ID: 22-001538
Balance ID: B-20
Thermometer ID: CFL-000716

Weight Used (g)	Serial #	Acceptance Limits	Initial Measured	Initial Result	Final Measured	Final Result	
0.10	CFL-000501	(+/-0.0005g)	0.10	Acceptable	0.10	Acceptable	
50.00	CFL-000480	(+/-0.025g)	50.00	Acceptable	50.00	Acceptable	
22-001538-0006	10ml Vial	Container ID.1	b2	1.0		1.00	
22-001538-0006	10ml Vial	Container ID.1	t3	1.0		1.00	
22-001538-0006	10ml Vial	Container ID.1	m2	1.0		1.00	
22-001538-0006	10ml Vial	Container ID.1	t1	1.0		1.00	
22-001538-0006	10ml Vial	Container ID.1	t3	1.0		1.00	
22-001538-0006	10ml Vial	Container ID.1	t4	1.0		1.00	
22-001538-0006	10ml Vial	Container ID.1	m1	1.0		1.00	
22-001538-0006	10ml Vial	Container ID.1	t1	1.0		1.00	
22-001538-0006	10ml Vial	Container ID.1	b1	1.0		1.00	
22-001538-0006	10ml Vial	Container ID.1	b1	1.0		1.00	
22-001538-0006	10ml Vial	Container ID.1	m2	1.0		1.00	
22-001538-0006	10ml Vial	Container ID.1	t1	1.0		1.00	
22-001538-0006	10ml Vial	Container ID.1	b4	1.0		1.00	
22-001538-0006	10ml Vial	Container ID.1	t4	1.0		1.00	
Totals				16.0		16.00	
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:							
Container type	Batch #, Lot # or METRC ID	Product type	Strain ID	Harvest/Prod Date	Batch size (lbs.)		
Glass Jar	N/A	Extract - Distillate	TST-170-GVB D-BSD Primary	2/1/2022	122.00		
	Product Temp @	# of containers	# of Increments	primary sample (ml)			
		1	16	1.00			
Increment Log							
Increment ID #1 ID	Sample Media	Container ID	Inc. Zone	Media Wt. (g)	Vol. Sample (ml)	Wt. Inc. & Media (g)	Sample Weight
22-001538-0007	10ml Vial	Container ID.1	m4	14.96	1.0	15.96	1.00
22-001538-0007	10ml Vial	Container ID.1	b1		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	m4		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	b2		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	b4		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	m2		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	m4		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	t4		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	m4		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	t3		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	m2		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	m4		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	t3		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	m2		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	t3		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	m2		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	m2		1.0		1.00
22-001538-0007	10ml Vial	Container ID.1	b1		1.0		1.00
Totals					16.0		16.00
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:							
Container type	Batch #, Lot # or METRC ID	Product type	Strain ID	Harvest/Prod Date	Batch size (lbs.)		
Glass Jar	N/A	Extract - Distillate	TST-170-GVB D-BSD Dup	2/1/2022	122.00		
	Product Temp @	# of containers	# of Increments	primary sample (ml)			
		1	16	1.00			
Increment Log							
Increment ID #1 ID	Sample Media	Container ID	Inc. Zone	Media Wt. (g)	Vol. Sample (ml)	Wt. Inc. & Media (g)	Sample Weight
22-001538-0008	10ml Vial	Container ID.1	m1	15.19	1.0	16.19	1.00
22-001538-0008	10ml Vial	Container ID.1	t3		1.0		1.00
22-001538-0008	10ml Vial	Container ID.1	b4		1.0		1.00
22-001538-0008	10ml Vial	Container ID.1	t1		1.0		1.00
22-001538-0008	10ml Vial	Container ID.1	t3		1.0		1.00
22-001538-0008	10ml Vial	Container ID.1	b2		1.0		1.00
22-001538-0008	10ml Vial	Container ID.1	b2		1.0		1.00
22-001538-0008	10ml Vial	Container ID.1	b3		1.0		1.00
22-001538-0008	10ml Vial	Container ID.1	b3		1.0		1.00
22-001538-0008	10ml Vial	Container ID.1	m2		1.0		1.00
22-001538-0008	10ml Vial	Container ID.1	t3		1.0		1.00
22-001538-0008	10ml Vial	Container ID.1	t2		1.0		1.00
22-001538-0008	10ml Vial	Container ID.1	t3		1.0		1.00
22-001538-0008	10ml Vial	Container ID.1	t3		1.0		1.00
22-001538-0008	10ml Vial	Container ID.1	t3		1.0		1.00
22-001538-0008	10ml Vial	Container ID.1	b2		1.0		1.00
22-001538-0008	10ml Vial	Container ID.1	b3		1.0		1.00
Totals					16.0		16.00
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:							

OLCC license #: 1003224D558
ORELAP#: OR100028

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Page 3 of 5

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



12423 NE Whitaker Way
Portland, OR 97230
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Report Number: 22-001538/D003.R000
Report Date: 02/15/2022
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Report Number: 22-001538/D003.R000
Report Date: 02/15/2022
ORELAP#: OR100028
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Received: 02/10/22 15:44

Columbia Laboratories
 Sampling Record/Field Data

CS Labs Sampling Template Revision 0.00 Control CF041
 Revision date: 01/07/2021 Effective Date DRAFT/2021

Processor/Client: GVB Biopharma
Location: 212 NE North St. Grass Valley, Oregon 97029
DHA License #: AG-R1065475IHH
Requester: Chelsea Thomas
SOP: C913_Extracts and Concentrate Sampling

Date: 2/10/2022
Sampler: Thompson
Sampling Event/Project ID: 22-001538
Balance ID: B-20
Thermometer ID: CFL-000716

Weight Used (g)	Serial #	Acceptance Limits	Initial Measured	Initial Result	Final Measured	Final Result
0.10	CFL-000501	(±/-0.0005g)	0.10	Acceptable	0.10	Acceptable
50.00	CFL-000480	(±/-0.025g)	50.00	Acceptable	50.00	Acceptable



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



Report Number: 22-001538/D003.R000
 Report Date: 02/15/2022
 ORELAP#: OR100028
 Purchase Order:
 Received: 02/10/22 15:44

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		Laboratory Control Sample			Batch ID: 2201285	
Method Blank								
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		0.971	1.000	97.1	81.1 - 121	
Acephate	0.000	< 0.250		1.048	1.000	104.8	68.1 - 122	
Acequinocyl	0.000	< 1.000		3.970	4.000	99.2	82.3 - 117	
Acetamiprid	0.000	< 0.100		0.395	0.400	98.7	67.4 - 125	
Aldicarb	0.000	< 0.200		0.776	0.800	97.0	73.2 - 122	
Azoxystrobin	0.000	< 0.100		0.371	0.400	92.8	75.7 - 121	
Bifenazate	0.000	< 0.100		0.255	0.400	63.9	80.2 - 149	Q6
Bifenthrin	0.000	< 0.100		0.389	0.400	97.1	74.3 - 119	
Boscalid	0.000	< 0.200		0.748	0.800	93.5	73.1 - 128	
Carbaryl	0.000	< 0.100		0.392	0.400	98.1	79.3 - 119	
Carbofuran	0.000	< 0.100		0.390	0.400	97.5	78.3 - 118	
Chlorantraniliprole	0.000	< 0.100		0.400	0.400	100.0	83.7 - 117	
Chlorfenapyr	0.000	< 0.500		2.246	2.000	112.3	71.0 - 132	
Chlorpyrifos	0.000	< 0.100		0.389	0.400	97.1	71.2 - 117	
Clofentazine	0.000	< 0.100		0.396	0.400	99.1	80.9 - 113	
Cyfluthrin	0.000	< 0.500		1.964	2.000	98.2	69.0 - 126	
Cypermethrin	0.000	< 0.500		1.989	2.000	99.5	81.5 - 114	
Daminozide	0.022	< 0.500		1.684	2.000	84.2	76.7 - 142	
Diazinon	0.000	< 0.100		0.384	0.400	95.9	78.5 - 119	
Dichlorvos	0.000	< 0.500		1.934	2.000	96.7	81.1 - 110	
Dimethoate	0.000	< 0.100		0.394	0.400	98.4	81.4 - 116	
Ethoprophos	0.000	< 0.100		0.400	0.400	100.1	78.8 - 117	
Etofenprox	0.000	< 0.200		0.774	0.800	96.7	71.3 - 132	
Etoxazole	0.000	< 0.100		0.396	0.400	99.1	78.9 - 123	
Fenoxycarb	0.000	< 0.100		0.400	0.400	100.0	82.0 - 116	
Fenpyroximate	0.000	< 0.200		0.784	0.800	97.9	81.1 - 116	
Fipronil	0.000	< 0.200		0.786	0.800	98.3	83.8 - 123	
Flonicamid	0.000	< 0.250		0.977	1.000	97.7	67.9 - 126	
Fludioxonil	0.000	< 0.200		0.807	0.800	100.9	73.0 - 124	
Hexythiazox	0.000	< 0.250		0.976	1.000	97.6	75.0 - 122	
Imazalil	0.000	< 0.100		0.350	0.400	87.5	73.5 - 130	
Imidacloprid	0.000	< 0.200		0.772	0.800	96.5	74.7 - 122	
Kresoxim-methyl	0.000	< 0.200		0.800	0.800	100.0	75.4 - 123	
Malathion	0.000	< 0.100		0.393	0.400	98.2	72.9 - 129	
Metaxyl	0.000	< 0.100		0.392	0.400	98.0	80.2 - 116	
Methiocarb	0.000	< 0.100		0.384	0.400	96.0	81.1 - 118	
Methomyl	0.000	< 0.200		0.767	0.800	95.8	67.1 - 125	
MGK-264	0.000	< 0.100		0.398	0.400	99.4	76.5 - 120	
Myclobutanil	0.000	< 0.100		0.379	0.400	94.8	75.2 - 123	
Naled	0.000	< 0.250		0.949	1.000	94.9	83.4 - 112	
Oxamyl	0.000	< 0.500		2.038	2.000	101.9	72.5 - 120	
Paclobutrazole	0.000	< 0.200		0.790	0.800	98.7	81.1 - 117	
Parathion-Methyl	0.000	< 0.200		0.918	0.800	114.7	76.4 - 129	
Permethrin	0.000	< 0.100		0.397	0.400	99.3	72.9 - 119	
Phosmet	0.000	< 0.100		0.393	0.400	98.2	78.3 - 121	
Piperonyl butoxide	0.000	< 0.500		1.931	2.000	96.6	70.7 - 131	
Prallethrin	0.000	< 0.100		0.397	0.400	99.3	76.9 - 120	
Propiconazole	0.000	< 0.200		0.788	0.800	98.5	81.4 - 118	
Propoxur	0.000	< 0.100		0.389	0.400	97.1	79.7 - 115	
Pyrethrin (Summe)	0.000	< 0.100		0.403	0.413	97.5	73.2 - 136	
Pyridaben	0.000	< 0.100		0.402	0.400	100.5	75.0 - 123	
Spinosad	0.000	< 0.100		0.394	0.388	101.4	73.7 - 137	
Spiromesifen	0.000	< 0.100		0.413	0.400	103.2	76.9 - 128	
Spirotetramat	0.000	< 0.100		0.402	0.400	100.5	81.4 - 118	
Spiroxamine	0.000	< 0.200		0.744	0.800	93.0	78.9 - 114	
Tebuconazole	0.000	< 0.200		0.798	0.800	99.7	80.7 - 119	
Thiacloprid	0.000	< 0.100		0.389	0.400	97.3	80.1 - 118	
Thiamethoxam	0.000	< 0.100		0.360	0.400	90.1	68.9 - 128	
Trifloxystrobin	0.000	< 0.100		0.393	0.400	98.1	78.2 - 118	



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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg					Batch ID: 2201285			
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 22-001538-0001								
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	0.759	0.728	1.000	4.1%	< 30	75.9%	72.8%	50 - 150	
Acephate	0.045	0.943	0.942	1.000	0.1%	< 30	89.8%	89.7%	50 - 150	
Acequinocyl	0.000	1.777	2.647	4.000	39.3%	< 30	44.4%	66.2%	50 - 150	R, Q
Acetamiprid	0.000	0.313	0.331	0.400	5.6%	< 30	78.2%	82.7%	50 - 150	
Aldicarb	0.000	0.729	0.750	0.800	2.8%	< 30	91.1%	93.8%	50 - 150	
Azoxystrobin	0.000	0.218	0.216	0.400	1.0%	< 30	54.5%	54.0%	50 - 150	
Bifenazate	0.036	0.240	0.269	0.400	13.0%	< 30	50.9%	58.1%	50 - 150	
Bifenthrin	0.083	0.271	0.296	0.400	12.4%	< 30	47.0%	53.2%	50 - 150	Q
Boscalid	0.000	0.480	0.454	0.800	5.4%	< 30	59.9%	56.8%	50 - 150	
Carbaryl	0.000	0.235	0.244	0.400	3.8%	< 30	58.8%	61.1%	50 - 150	
Carbofuran	0.015	0.227	0.235	0.400	3.8%	< 30	52.8%	54.8%	50 - 150	
Chlorantraniliprole	0.000	0.396	0.428	0.400	7.8%	< 30	98.9%	106.9%	50 - 150	
Chlorfenapyr	0.000	0.435	0.545	2.000	22.3%	< 30	21.8%	27.2%	50 - 150	Q
Chlorpyrifos	0.349	0.802	0.760	0.400	9.8%	< 30	113.2%	102.6%	50 - 150	
Clofentazine	0.000	0.206	0.213	0.400	3.1%	< 30	51.6%	53.2%	50 - 150	
Cyfluthrin	0.000	0.606	0.739	2.000	19.8%	< 30	30.3%	37.0%	30 - 150	
Cypermethrin	0.000	0.660	0.721	2.000	8.9%	< 30	33.0%	36.1%	50 - 150	Q
Daminozide	0.394	1.937	1.862	2.000	5.0%	< 30	77.1%	73.4%	30 - 150	
Diazinon	0.000	0.218	0.218	0.400	0.0%	< 30	54.5%	54.5%	50 - 150	
Dichlorvos	0.000	1.131	1.137	2.000	0.5%	< 30	56.6%	56.8%	50 - 150	
Dimethoate	0.000	0.404	0.414	0.400	2.5%	< 30	100.9%	103.4%	50 - 150	
Ethoprophos	0.013	0.265	0.291	0.400	9.8%	< 30	62.9%	69.4%	50 - 150	
Etofenprox	0.000	0.432	0.444	0.800	2.9%	< 30	53.9%	55.5%	50 - 150	
Etoxazole	0.000	0.241	0.234	0.400	3.2%	< 30	60.3%	58.4%	50 - 150	
Fenoxycarb	0.000	0.253	0.244	0.400	3.4%	< 30	63.2%	61.1%	50 - 150	
Fenpyroximate	0.000	0.377	0.417	0.800	10.1%	< 30	47.1%	52.1%	50 - 150	Q
Fipronil	0.000	0.294	0.339	0.800	14.3%	< 30	36.7%	42.3%	50 - 150	Q
Fonicamid	0.000	0.773	0.810	1.000	4.7%	< 30	77.3%	81.0%	50 - 150	
Fludioxonil	0.000	0.997	1.104	0.800	10.1%	< 30	124.6%	137.9%	50 - 150	
Hexythiazox	0.000	0.328	0.333	1.000	1.6%	< 30	32.8%	33.3%	50 - 150	Q
Imazalil	0.000	0.288	0.325	0.400	12.0%	< 30	72.1%	81.3%	50 - 150	
Imidacloprid	0.000	0.759	0.855	0.800	11.9%	< 30	94.9%	106.9%	50 - 150	
Kresoxim-methyl	0.000	0.552	0.501	0.800	9.8%	< 30	69.0%	62.6%	50 - 150	
Malathion	0.002	0.255	0.256	0.400	0.4%	< 30	63.4%	63.6%	50 - 150	
Metaxyl	0.011	0.349	0.357	0.400	2.3%	< 30	84.6%	86.5%	50 - 150	
Methiocarb	0.006	0.283	0.295	0.400	4.4%	< 30	69.3%	72.4%	50 - 150	
Methomyl	0.000	0.788	0.735	0.800	7.0%	< 30	98.5%	91.9%	50 - 150	
MGK-264	0.000	0.099	0.104	0.400	5.2%	< 30	24.8%	26.1%	50 - 150	Q
Myclobutanil	0.000	0.186	0.188	0.400	1.2%	< 30	46.4%	47.0%	50 - 150	Q
Naled	0.000	0.479	0.502	1.000	4.7%	< 30	47.9%	50.2%	50 - 150	Q
Oxamyl	0.000	2.034	1.857	2.000	9.1%	< 30	101.7%	92.9%	50 - 150	
Paclobutrazole	0.000	0.471	0.482	0.800	2.3%	< 30	58.8%	60.2%	50 - 150	
Parathion-Methyl	0.000	0.213	0.239	0.800	11.7%	< 30	26.6%	29.9%	30 - 150	R, Q
Permethrin	0.000	0.174	0.171	0.400	2.0%	< 30	43.5%	42.7%	50 - 150	Q
Phosmet	0.000	0.219	0.205	0.400	6.6%	< 30	54.8%	51.3%	50 - 150	
Piperonyl butoxide	0.000	1.173	1.212	2.000	3.3%	< 30	58.6%	60.6%	50 - 150	
Prallethrin	0.396	0.803	0.791	0.400	3.2%	< 30	101.9%	98.7%	50 - 150	
Propiconazole	0.137	0.942	0.909	0.800	4.2%	< 30	100.6%	96.5%	50 - 150	
Propoxur	0.027	0.270	0.278	0.400	3.4%	< 30	60.8%	62.9%	50 - 150	
Pyrethrin (Summe)	0.000	0.318	0.263	0.413	19.0%	< 30	76.9%	63.6%	50 - 150	
Pyridaben	0.000	0.214	0.236	0.400	9.8%	< 30	53.4%	58.9%	50 - 150	
Spinosad	0.000	0.284	0.299	0.388	4.9%	< 30	73.3%	77.0%	50 - 150	
Spiromesifen	0.000	0.279	0.279	0.400	0.1%	< 30	69.8%	69.7%	50 - 150	
Spirotetramat	0.000	0.487	0.430	0.400	12.4%	< 30	121.8%	107.5%	50 - 150	
Spiroxamine	0.000	0.719	0.684	0.800	5.0%	< 30	89.9%	85.5%	50 - 150	
Tebuconazole	0.006	0.534	0.509	0.800	4.9%	< 30	66.0%	62.8%	50 - 150	
Thiacloprid	0.000	0.331	0.348	0.400	5.1%	< 30	82.7%	87.0%	50 - 150	
Thiamethoxam	0.000	0.426	0.326	0.400	26.5%	< 30	106.4%	81.5%	50 - 150	
Trifloxystrobin	0.001	0.205	0.198	0.400	3.3%	< 30	51.0%	49.3%	50 - 150	Q



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Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2201328						
Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	0.190	0.2	%	94.8	85.0 - 115	Acceptable		
CBDV	0.212	0.2	%	106	85.0 - 115	Acceptable		
CBE	0.194	0.2	%	97.2	85.0 - 115	Acceptable		
CBDA	0.207	0.2	%	103	85.0 - 115	Acceptable		
CBGA	0.190	0.2	%	95.0	85.0 - 115	Acceptable		
CBG	0.196	0.2	%	98.1	85.0 - 115	Acceptable		
CBD	0.208	0.2	%	104	85.0 - 115	Acceptable		
THCV	0.187	0.2	%	93.7	85.0 - 115	Acceptable		
d8THCV	0.190	0.2	%	95.2	85.0 - 115	Acceptable		
THCVA	0.179	0.2	%	89.5	85.0 - 115	Acceptable		
CBN	0.209	0.2	%	105	85.0 - 115	Acceptable		
exo-THC	0.177	0.2	%	88.7	85.0 - 115	Acceptable		
d9THC	0.196	0.2	%	98.1	85.0 - 115	Acceptable		
d8THC	0.185	0.2	%	92.5	85.0 - 115	Acceptable		
CBL	0.173	0.2	%	86.6	85.0 - 115	Acceptable		
CBC	0.191	0.2	%	95.6	85.0 - 115	Acceptable		
THCA	0.198	0.2	%	98.9	85.0 - 115	Acceptable		
CBCA	0.193	0.2	%	96.6	85.0 - 115	Acceptable		
CBLA	0.199	0.2	%	99.6	85.0 - 115	Acceptable		
CBT	0.172	0.2	%	85.8	85.0 - 115	Acceptable		

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.1	%	< 0.1	Acceptable	
CBDV	<LOQ	0.1	%	< 0.1	Acceptable	
CBE	<LOQ	0.1	%	< 0.1	Acceptable	
CBDA	<LOQ	0.1	%	< 0.1	Acceptable	
CBGA	<LOQ	0.1	%	< 0.1	Acceptable	
CBG	<LOQ	0.1	%	< 0.1	Acceptable	
CBD	<LOQ	0.1	%	< 0.1	Acceptable	
THCV	<LOQ	0.1	%	< 0.1	Acceptable	
d8THCV	<LOQ	0.1	%	< 0.1	Acceptable	
THCVA	<LOQ	0.1	%	< 0.1	Acceptable	
CBN	<LOQ	0.1	%	< 0.1	Acceptable	
exo-THC	<LOQ	0.1	%	< 0.1	Acceptable	
d9THC	<LOQ	0.1	%	< 0.1	Acceptable	
d8THC	<LOQ	0.1	%	< 0.1	Acceptable	
CBL	<LOQ	0.1	%	< 0.1	Acceptable	
CBC	<LOQ	0.1	%	< 0.1	Acceptable	
THCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBLA	<LOQ	0.1	%	< 0.1	Acceptable	
CBT	<LOQ	0.1	%	< 0.1	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2201328						
Sample Duplicate		Sample ID: 22-001538-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	0.694	0.696	0.1	%	0.306	< 20	Acceptable	
CBE	4.36	4.36	0.1	%	0.0580	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG	2.62	2.64	0.1	%	0.674	< 20	Acceptable	
CBD	39.3	40.1	0.1	%	2.01	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBN	4.98	5.01	0.1	%	0.598	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBL	0.611	0.598	0.1	%	2.15	< 20	Acceptable	
CBC	6.22	6.25	0.1	%	0.561	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBT	10.4	10.4	0.1	%	0.493	< 20	Acceptable	

Abbreviations

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

Units of Measure:

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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.