



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

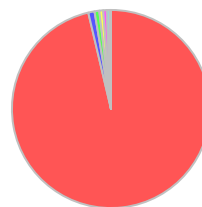


Report Number: 22-002126/D002.R000
Report Date: 03/01/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/24/22 16:30

Customer: Zatural
 United States of America (USA)
Product identity: Broad Spectrum CBD Oil - Primary
Client/Metric ID: 1A401050002EBA9000010104
Sample Date: 02/24/22 12:00
Laboratory ID: 22-002126-0001
Evidence of Cooling: Yes
Temp: 20.1 °C
Relinquished by: Thompson

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2201736	Analyze: 2/28/22 12:19:00 PM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	0.951		0.0923			
CBC-A [†]	< LOQ		0.0923			
CBC-Total [†]	0.951		0.173			
CBD	90.0		0.923			
CBD-A	< LOQ		0.0923			
CBD-Total	90.0		1.00			
CBDV [†]	0.411		0.0923			
CBDV-A [†]	< LOQ		0.0923			
CBDV-Total [†]	0.411		0.172			
CBE [†]	0.725		0.0923			
CBG [†]	0.220		0.0923			
CBG-A [†]	< LOQ		0.0923			
CBG-Total	0.220		0.172			
CBL [†]	< LOQ		0.0923			
CBL-A [†]	< LOQ		0.0923			
CBL-Total [†]	< LOQ		0.173			
CBN	0.549		0.0923			
CBT [†]	0.589		0.0923			
Δ8-THC [†]	< LOQ		0.0923			
Δ8-THCV	< LOQ		0.0923			
Δ9-THC	< LOQ		0.0923			
THC-A	< LOQ		0.0923			
THC-Total	< LOQ		0.173			
THCV [†]	< LOQ		0.0923			
THCV-A [†]	< LOQ		0.0923			
THCV-Total [†]	< LOQ		0.172			
Total Cannabinoids[†]	93.4					



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



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Solvents						Residual Solvents by GC/MS					
Analyte	Method	Result	Limits	LOQ	Status	Analyte	Method	Result	Limits	LOQ	Status
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	300	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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Report Number: 22-002126/D002.R000
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Purchase Order:
Received: 02/24/22 16:30

Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2201782 Analyze 03/01/22 10:52 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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Customer: Zatural
 United States of America (USA)
Product identity: Broad Spectrum CBD Oil - Dub
Client/Metric ID: 1A401050002EBA9000000104
Sample Date: 02/24/22 12:00
Laboratory ID: 22-002126-0002
Evidence of Cooling: Yes
Temp: 20.1 °C
Relinquished by: Thompson

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2201736	Analyze: 2/28/22 12:19:00 PM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	0.933		0.0855			
CBC-A [†]	< LOQ		0.0855			
CBC-Total [†]	0.933		0.160			
CBD	89.7		0.855			
CBD-A	< LOQ		0.0855			
CBD-Total	89.7		0.930			
CBDV [†]	0.405		0.0855			
CBDV-A [†]	< LOQ		0.0855			
CBDV-Total [†]	0.405		0.160			
CBE [†]	0.695		0.0855			
CBG [†]	0.217		0.0855			
CBG-A [†]	< LOQ		0.0855			
CBG-Total	0.217		0.160			
CBL [†]	< LOQ		0.0855			
CBL-A [†]	< LOQ		0.0855			
CBL-Total [†]	< LOQ		0.160			
CBN	0.544		0.0855			
CBT [†]	0.636		0.0855			
Δ8-THC [†]	< LOQ		0.0855			
Δ8-THCV	< LOQ		0.0855			
Δ9-THC	< LOQ		0.0855			
THC-A	< LOQ		0.0855			
THC-Total	< LOQ		0.160			
THCV [†]	< LOQ		0.0855			
THCV-A [†]	< LOQ		0.0855			
THCV-Total [†]	< LOQ		0.160			
Total Cannabinoids[†]	93.1					



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Solvents						Residual Solvents by GC/MS					Units µg/g		Batch 2201774		Analyze 03/01/22 09:51 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	300	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 2201782 Analyze 03/01/22 10:52 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

$\mu\text{g/g}$ = Microgram per gram

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

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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Statistical Analysis:
 Broad Spectrum CBD Oil

	Analysis mg/g						
	CBD	CBD-A	CBD-Total	CBN	THC	THC-A	THC-Total
22-002126-0001	900	< 0.175	900	5.49	< 0.231	< 0.212	< 1.73
22-002126-0002	897	< 0.162	897	5.44	< 0.214	< 0.197	< 1.6
Average mg/g	898.5	n/a	898.5	5.465	n/a	n/a	n/a
Stdev	1.50	0.000	1.50	0.0250	0.000	0.000	0.000
%RPD	0.3%	0.0%	0.3%	0.9%	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



ORELAP ID: OR100028
OLCC license #: 1003224D558

Cannabis Chain of Custody Record

Client Information		Purchase Order:	
Company: Zatural		Project #:	
Contact: Hyrum Stanger		Project ID:	
Address: 1150 E 990 S Eden, ID 83325		<input type="checkbox"/> - Send to State (METRC) &/or OHA	
Email: info@zatural.com		<input checked="" type="checkbox"/> Email Final Results:	
Phone: 208-969-1282 Fax:			
Processor's License: [REDACTED]		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	Terpene	Micro: Yeast & Mold	Micro: E. Coli & Total Coliform	Heavy Metals	Mycotoxins	Other
1	22-002126-0001	1A401050002EBA9000000104		0 Broad Spectrum CBD Oil - Primary	2/24/2022	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	22-002126-0002	1A401050002EBA9000000104		0 Broad Spectrum CBD Oil - Dup	2/24/2022	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	22-002126-0003	N/A		0 TST-196 GVB D - NDD-CBN Prim	2/24/2022	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	22-002126-0004	N/A		0 TST-196 GVB D - NDD-CBN Dup	2/24/2022	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	22-002126-0005	N/A	Extract - Oil	Transport Blank - No Charge	2/24/2022	#REF!	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Collected By:	Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Labs Use Only:
<input checked="" type="checkbox"/> Standard 5 day	<i>[Signature]</i>	2/24	13:27	<i>[Signature]</i>	2/24	13:27	Client Alias: _____
<input checked="" type="checkbox"/> RuSh (1.5 x Standard)	<i>[Signature]</i>	2/24	16:13	<i>[Signature]</i>	2/24	16:30	Order Number: _____
<input type="checkbox"/> Priority Rush (2 x Standard)							<input type="checkbox"/> Proper Container
Ask About Availability							<input type="checkbox"/> Sample Condition
							<input type="checkbox"/> Temperature: 20.1 °C
							<input type="checkbox"/> Shipped Via: _____
							Evidence of cooling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

Cannabis Chain of Custody Record



ORELAP ID: OR100028
OLCC license #: 1003224D558

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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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: 22-002126/D002.R000
Report Date: 03/01/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/24/22 16:30

Columbia Laboratories
Sampling Record/Field Data

C3 Labs Sampling Template Revision 0.03 Control CF041
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-R1065475IHH
Requester: Chelsea Thomas
SOP: C913_Extracts and Concentrate Sampling

Date: 2/24/2022
Sampler: Riley Thompson
Sampling Event/Project ID: 22-002126
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		
22-002126-0003	10ml Vial	Container ID.1	m1	1.0	1.00	1.00		
22-002126-0003	10ml Vial	Container ID.1	m2	1.0	1.00	1.00		
Totals						16.00		
Observations:								
batch numbers		marks/labels	container types/sizes	Uniform	plant colors	Shape & Size	Plan or Procedure	
Note any inconsistencies or abnormalities								
Comments:								
Increment Log								
Increment ID #1 ID	Sample Media	Container ID	Inc. Zone	Media Wt. (g)	Vol. Sample (ml)	Wt. Inc. & Media (g)	Sample Weight	MetricID
22-002126-0004	10ml Vial	Container ID.1	m3	14.92	1.0	15.92	1.00	
22-002126-0004	10ml Vial	Container ID.1	t1		1.0		1.00	
22-002126-0004	10ml Vial	Container ID.1	b4		1.0		1.00	
22-002126-0004	10ml Vial	Container ID.1	m2		1.0		1.00	
22-002126-0004	10ml Vial	Container ID.1	t2		1.0		1.00	
22-002126-0004	10ml Vial	Container ID.1	t4		1.0		1.00	
22-002126-0004	10ml Vial	Container ID.1	b1		1.0		1.00	
22-002126-0004	10ml Vial	Container ID.1	b4		1.0		1.00	
22-002126-0004	10ml Vial	Container ID.1	b2		1.0		1.00	
22-002126-0004	10ml Vial	Container ID.1	m1		1.0		1.00	
22-002126-0004	10ml Vial	Container ID.1	t3		1.0		1.00	
22-002126-0004	10ml Vial	Container ID.1	t1		1.0		1.00	
22-002126-0004	10ml Vial	Container ID.1	m4		1.0		1.00	
22-002126-0004	10ml Vial	Container ID.1	b3		1.0		1.00	
22-002126-0004	10ml Vial	Container ID.1	b1		1.0		1.00	
22-002126-0004	10ml Vial	Container ID.1	t2		1.0		1.00	
Totals						16.00		
Observations:								
batch numbers		marks/labels	container types/sizes	Uniform	plant colors	Shape & Size	Plan or Procedure	
Note any inconsistencies or abnormalities								
Comments:								

Sampled By: Riley Thompson
Date: 2/24
Time: 13:27

Accepted By: [Signature]
Date: 2/24
Time: 13:27



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

Report Number: 22-002126/D002.R000
Report Date: 03/01/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/24/22 16:30



Columbia Laboratories
Sampling Record/Field Data

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

Processor/Client: Zatural
Location: 1150 E. 990 S Eden, ID 83325
OHA License #:
Requester: Hyrum Slanger
SOP: C913_Extracts and Concentrate Sampling

Date: 2/24/2022
Sampler: Riley Thompson
Sampling Event/Project ID: 22-002126
Balance ID: B-20
Thermometer ID: CFL-000716

Weight Used (g)	Serial #	Acceptance Units	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 type	Batch #, Lot # or METRC ID	Product type	Strain ID	Harvest/Prod Date	Batch size (lbs.)			
Glass Jar	101	0	TST-195 GVB D - B5D Primar	NA	44.09			
	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	MetricID
22-002126-0001	10ml Vial	Container ID.1	t1	14.94	1.0	15.94	1.00	
22-002126-0001	10ml Vial	Container ID.1	b4		1.0		1.00	
22-002126-0001	10ml Vial	Container ID.1	m3		1.0		1.00	
22-002126-0001	10ml Vial	Container ID.1	b2		1.0		1.00	
22-002126-0001	10ml Vial	Container ID.1	t4		1.0		1.00	
22-002126-0001	10ml Vial	Container ID.1	m1		1.0		1.00	
22-002126-0001	10ml Vial	Container ID.1	b3		1.0		1.00	
22-002126-0001	10ml Vial	Container ID.1	b1		1.0		1.00	
22-002126-0001	10ml Vial	Container ID.1	m2		1.0		1.00	
22-002126-0001	10ml Vial	Container ID.1	t2		1.0		1.00	
22-002126-0001	10ml Vial	Container ID.1	t1		1.0		1.00	
22-002126-0001	10ml Vial	Container ID.1	m4		1.0		1.00	
22-002126-0001	10ml Vial	Container ID.1	m1		1.0		1.00	
22-002126-0001	10ml Vial	Container ID.1	b1		1.0		1.00	
22-002126-0001	10ml Vial	Container ID.1	b3		1.0		1.00	
22-002126-0001	10ml Vial	Container ID.1	t2		1.0		1.00	
Totals							16.00	
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	
Comments:								
Container type	Batch #, Lot # or METRC ID	Product type	Strain ID	Harvest/Prod Date	Batch size (lbs.)			
Glass Jar	101	0	TST-195 GVB D - B5D Dup	NA	44.09			
	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	MetricID
22-002126-0002	10ml Vial	Container ID.1	m4	15.05	1.0	16.05	1.00	
22-002126-0002	10ml Vial	Container ID.1	b1		1.0		1.00	
22-002126-0002	10ml Vial	Container ID.1	t2		1.0		1.00	
22-002126-0002	10ml Vial	Container ID.1	m3		1.0		1.00	
22-002126-0002	10ml Vial	Container ID.1	m1		1.0		1.00	
22-002126-0002	10ml Vial	Container ID.1	b4		1.0		1.00	
22-002126-0002	10ml Vial	Container ID.1	b1		1.0		1.00	
22-002126-0002	10ml Vial	Container ID.1	t3		1.0		1.00	
22-002126-0002	10ml Vial	Container ID.1	m1		1.0		1.00	
22-002126-0002	10ml Vial	Container ID.1	t2		1.0		1.00	
22-002126-0002	10ml Vial	Container ID.1	b1		1.0		1.00	
22-002126-0002	10ml Vial	Container ID.1	b4		1.0		1.00	
22-002126-0002	10ml Vial	Container ID.1	b2		1.0		1.00	
22-002126-0002	10ml Vial	Container ID.1	m3		1.0		1.00	
22-002126-0002	10ml Vial	Container ID.1	t1		1.0		1.00	
22-002126-0002	10ml Vial	Container ID.1	t3		1.0		1.00	
Totals							16.00	
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	
Comments:								
Container type	Batch #, Lot # or METRC ID	Product type	Strain ID	Harvest/Prod Date	Batch size (lbs.)			
Glass Jar	NA	0	-195 GVB D - RDD-CBN Prim	NA	6.82			
	Product Temp @	# of containers	# of increments	primary sample (ml)				
		1	10	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	MetricID
22-002126-0003	10ml Vial	Container ID.1	t4	15.13	1.0	16.13	1.00	
22-002126-0003	10ml Vial	Container ID.1	m1		1.0		1.00	
22-002126-0003	10ml Vial	Container ID.1	b3		1.0		1.00	
22-002126-0003	10ml Vial	Container ID.1	b2		1.0		1.00	
22-002126-0003	10ml Vial	Container ID.1	t1		1.0		1.00	
22-002126-0003	10ml Vial	Container ID.1	b4		1.0		1.00	
22-002126-0003	10ml Vial	Container ID.1	m2		1.0		1.00	
22-002126-0003	10ml Vial	Container ID.1	m1		1.0		1.00	
22-002126-0003	10ml Vial	Container ID.1	t3		1.0		1.00	
22-002126-0003	10ml Vial	Container ID.1	t2		1.0		1.00	
22-002126-0003	10ml Vial	Container ID.1	b4		1.0		1.00	
22-002126-0003	10ml Vial	Container ID.1	m2		1.0		1.00	
22-002126-0003	10ml Vial	Container ID.1	b1		1.0		1.00	
22-002126-0003	10ml Vial	Container ID.1	t2		1.0		1.00	

OLCC license #: 1003224D558
ORELAP#: OR100028

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Page 1 of 2

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: 22-002126/D002.R000
Report Date: 03/01/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/24/22 16:30



**OREGON LIQUOR CONTROL COMMISSION
 CANNABIS TRANSPORTATION MANIFEST**



All sales transactions are to be completed prior to transportation of any CANNABIS. The receiving entity may reject product delivered, but amount delivered must be limited to amount agreed upon in prior sales transaction.

Manifest No.	0003990644	Date Created	2/24/2022 1:10 PM
Originating Entity	GVB Oregon IHH	For OLCC Use Only	
Originating License Number	330-1065475IHH		
Address of Originating Entity	212 NE North St. Grass Valley, OR 97029		
Phone No. of Originating Entity	415 310 0973		
Contact Phone No. for Inquiries: 909-660-2939			
1. Destination	Columbia Laboratories, Inc	Destination Phone No.	503-254-1794
Destination License Number	010-1003224D558	Date and Approx. Time of Departure	2/24/2022 12:57 PM
Address of Destination	12423 NE Whitaker Way Portland, OR 97230 County: Multnomah	Date and Approx. Time of Arrival	2/24/2022 5:57 PM
		Date/Time Received	2/24/22 1630
		Notes: details for extenuating circumstances (e.g., road closure, flat tire, etc.)	
Route to be Traveled			
Get on I-84 W/US-30 W in Wasco County from US-97 N, Van Gilder Rd, and OR-206 W 38 min (30.5 mi)			
Follow I-84 W to NE 181st Ave in Gresham. Take exit 13 from I-84 W 1 hr 18 min (83.8 mi)			
Take US-30BYP W/NE Sandy Blvd to NE Whitaker Way in Portland			
Name of Person Transporting	riley thompson	Handler Permit No. of Driver	lab exempt
State Driver's License No.	000045932014	Signature of Person Transporting	<i>[Signature]</i>
Make, Model, License Plate No.	toyota prius 0517999		
1. Package Shipped	Production Batch No.	Item Name	Quantity
1A401050002EBA9000000104 Lab Test: SubmittedForTesting		T FREE DISTILLATE (Hemp Concentrate)	Shp: 32.0000 g
Item Details			
Source Package(s)	1A401050002EBA9000000101		

PRODUCT REJECTION (if only a portion of shipment is rejected, circle that portion above)			
Name of Person Receiving or Rejecting Product	Casey Hill		
I confirm that the contents of this shipment match weight records entered above, and I agree to take custody of those portions of this shipment not circled above. Those portions circled were returned to the individual delivering this shipment.			
Signature	<i>[Signature]</i>	Date	2/24/22
Signature of individual taking receipt of rejected portion of this shipment			



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

Report Number: 22-002126/D002.R000
Report Date: 03/01/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/24/22 16:30



Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6							
Batch ID: 2201736							
Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.199	0.2	%	99.5	85.0 - 115	Acceptable	
CBDV	0.227	0.2	%	114	85.0 - 115	Acceptable	
CBE	0.189	0.2	%	94.6	85.0 - 115	Acceptable	
CBDA	0.210	0.2	%	105	85.0 - 115	Acceptable	
CBGA	0.195	0.2	%	97.7	85.0 - 115	Acceptable	
CBG	0.205	0.2	%	102	85.0 - 115	Acceptable	
CBD	0.199	0.2	%	99.7	85.0 - 115	Acceptable	
THCV	0.190	0.2	%	95.0	85.0 - 115	Acceptable	
d8THCV	0.189	0.2	%	94.3	85.0 - 115	Acceptable	
THCVA	0.190	0.2	%	95.1	85.0 - 115	Acceptable	
CBN	0.205	0.2	%	102	85.0 - 115	Acceptable	
exo-THC	0.177	0.2	%	88.6	85.0 - 115	Acceptable	
d9THC	0.199	0.2	%	99.3	85.0 - 115	Acceptable	
d8THC	0.196	0.2	%	98.1	85.0 - 115	Acceptable	
CBL	0.181	0.2	%	90.4	85.0 - 115	Acceptable	
CBC	0.206	0.2	%	103	85.0 - 115	Acceptable	
THCA	0.203	0.2	%	102	85.0 - 115	Acceptable	
CBCA	0.199	0.2	%	99.3	85.0 - 115	Acceptable	
CBLA	0.200	0.2	%	99.9	85.0 - 115	Acceptable	
CBT	0.183	0.2	%	91.5	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



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



Report Number: 22-002126/D002.R000
Report Date: 03/01/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/24/22 16:30

Revision: 1 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6								
Batch ID: 2201736								
Sample Duplicate								
Sample ID: 22-002126-0001								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	0.386	0.411	0.1	%	6.42	< 20	Acceptable	
CBE	0.663	0.725	0.1	%	8.99	< 20	Acceptable	
CBDA	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
CBG	0.204	0.220	0.1	%	7.47	< 20	Acceptable	
CBD	83.0	90.0	0.1	%	8.18	< 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	0.519	0.549	0.1	%	5.68	< 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	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
CBC	0.895	0.951	0.1	%	6.07	< 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	0.582	0.589	0.1	%	1.19	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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



Report Number: 22-002126/D002.R000
Report Date: 03/01/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/24/22 16:30

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: 2201782	
Method Blank								
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		1.114	1.000	111.4	76.8 - 124	
Acephate	0.000	< 0.250		0.952	1.000	95.2	72.0 - 121	
Acequinocyl	0.000	< 1.000		3.435	4.000	85.9	81.4 - 116	
Acetamiprid	0.000	< 0.100		0.371	0.400	92.7	68.6 - 124	
Aldicarb	0.000	< 0.200		0.822	0.800	102.7	72.5 - 123	
Azoxystrobin	0.015	< 0.100		0.391	0.400	97.8	73.0 - 121	
Bifenazate	0.000	< 0.100		0.414	0.400	103.5	76.5 - 142	
Bifenthrin	0.000	< 0.100		0.395	0.400	98.8	74.5 - 118	
Boscalid	0.000	< 0.200		0.797	0.800	99.7	72.2 - 125	
Carbaryl	0.000	< 0.100		0.371	0.400	92.7	78.5 - 117	
Carbofuran	0.000	< 0.100		0.375	0.400	93.7	79.5 - 117	
Chlorantraniliprole	0.000	< 0.100		0.387	0.400	96.8	83.5 - 114	
Chlorfenapyr	0.004	< 0.500		2.130	2.000	106.5	71.4 - 133	
Chlorpyrifos	0.000	< 0.100		0.384	0.400	96.0	71.7 - 117	
Clofentazine	0.000	< 0.100		0.341	0.400	85.4	80.5 - 113	
Cyfluthrin	0.000	< 0.500		1.840	2.000	92.0	69.9 - 125	
Cypermethrin	0.000	< 0.500		1.967	2.000	98.3	81.1 - 114	
Daminozide	0.151	< 0.500		2.130	2.000	106.5	72.2 - 134	
Diazinon	0.000	< 0.100		0.413	0.400	103.1	79.5 - 116	
Dichlorvos	0.000	< 0.500		1.967	2.000	98.3	81.0 - 111	
Dimethoate	0.000	< 0.100		0.371	0.400	92.8	81.4 - 114	
Ethoprophos	0.000	< 0.100		0.371	0.400	92.7	77.3 - 117	
Etofenprox	0.000	< 0.200		0.703	0.800	87.9	71.5 - 133	
Etoxazole	0.000	< 0.100		0.375	0.400	93.9	78.4 - 123	
Fenoxycarb	0.000	< 0.100		0.372	0.400	93.1	81.4 - 115	
Fenpyroximate	0.000	< 0.200		0.749	0.800	93.6	81.7 - 114	
Fipronil	0.000	< 0.200		0.761	0.800	95.1	81.7 - 122	
Flonicamid	0.000	< 0.250		1.010	1.000	101.0	67.9 - 126	
Fludioxonil	0.000	< 0.200		0.762	0.800	95.3	73.5 - 124	
Hexythiazox	0.000	< 0.250		0.887	1.000	88.7	72.9 - 122	
Imazalil	0.000	< 0.100		0.396	0.400	99.0	71.4 - 128	
Imidacloprid	0.000	< 0.200		0.773	0.800	96.6	76.4 - 117	
Kresoxim-methyl	0.000	< 0.200		0.761	0.800	95.1	75.5 - 121	
Malathion	0.000	< 0.100		0.378	0.400	94.5	72.4 - 128	
Metaxyl	0.000	< 0.100		0.369	0.400	92.2	80.2 - 114	
Methiocarb	0.011	< 0.100		0.371	0.400	92.7	79.5 - 118	
Methomyl	0.000	< 0.200		0.743	0.800	92.8	65.5 - 122	
MGK-264	0.000	< 0.100		0.373	0.400	93.2	76.5 - 119	
Myclobutanil	0.000	< 0.100		0.382	0.400	95.5	75.0 - 123	
Naled	0.000	< 0.250		0.942	1.000	94.2	82.8 - 110	
Oxamyl	0.000	< 0.500		1.902	2.000	95.1	71.3 - 120	
Paclobutrazole	0.000	< 0.200		0.750	0.800	93.7	80.1 - 116	
Parathion-Methyl	0.000	< 0.200		0.868	0.800	108.6	72.9 - 131	
Permethrin	0.000	< 0.100		0.384	0.400	96.0	75.5 - 118	
Phosmet	0.000	< 0.100		0.431	0.400	107.8	78.0 - 118	
Piperonyl butoxide	0.000	< 0.500		1.844	2.000	92.2	71.0 - 132	
Prallethrin	0.000	< 0.100		0.367	0.400	91.7	76.7 - 120	
Propiconazole	0.000	< 0.200		0.754	0.800	94.3	80.4 - 117	
Propoxur	0.004	< 0.100		0.371	0.400	92.9	79.8 - 115	
Pyrethrin (Summe)	0.000	< 0.100		0.371	0.413	89.7	72.4 - 134	
Pyridaben	0.000	< 0.100		0.435	0.400	108.8	73.8 - 124	
Spinosad	0.000	< 0.100		0.376	0.388	96.9	73.0 - 136	
Spiromesifen	0.000	< 0.100		0.372	0.400	92.9	77.9 - 128	
Spirotetramat	0.000	< 0.100		0.382	0.400	95.6	81.0 - 117	
Spiroxamine	0.000	< 0.200		0.735	0.800	91.8	79.0 - 111	
Tebuconazole	0.000	< 0.200		0.747	0.800	93.3	79.4 - 119	
Thiacloprid	0.000	< 0.100		0.376	0.400	94.1	79.3 - 117	
Thiamethoxam	0.000	< 0.100		0.382	0.400	95.5	67.3 - 125	
Trifloxystrobin	0.000	< 0.100		0.358	0.400	89.5	78.5 - 116	



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Report Number: 22-002126/D002.R000
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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: 2201782			
Matrix Spike/Matrix Spike Duplicate Recoveries					Sample ID: 22-002149-0001					
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	0.852	0.841	1.000	1.3%	< 30	85.2%	84.1%	50 - 150	
Acephate	0.000	0.673	0.655	1.000	2.8%	< 30	67.3%	65.5%	50 - 150	
Acetamiprid	0.000	3.526	4.226	4.000	18.0%	< 30	88.2%	105.6%	50 - 150	
Aldicarb	0.000	0.366	0.367	0.400	0.2%	< 30	91.5%	91.7%	50 - 150	
Azoxystrobin	0.012	0.371	0.381	0.400	3.0%	< 30	89.5%	92.2%	50 - 150	
Bifenazate	0.000	0.438	0.440	0.400	0.6%	< 30	109.4%	110.1%	50 - 150	
Bifenthrin	0.000	0.359	0.371	0.400	3.3%	< 30	89.8%	92.8%	50 - 150	
Boscalid	0.000	0.763	0.791	0.800	3.6%	< 30	95.4%	98.9%	50 - 150	
Carbaryl	0.000	0.375	0.368	0.400	1.9%	< 30	93.8%	92.0%	50 - 150	
Carbofuran	0.000	0.366	0.352	0.400	4.0%	< 30	91.4%	87.9%	50 - 150	
Chlorantraniliprole	0.000	0.361	0.384	0.400	6.1%	< 30	90.4%	96.0%	50 - 150	
Chlorfenapyr	0.021	1.857	2.280	2.000	20.6%	< 30	91.8%	113.0%	50 - 150	
Chlorpyrifos	0.000	0.357	0.351	0.400	1.7%	< 30	89.1%	87.6%	50 - 150	
Clofentazine	0.000	0.346	0.343	0.400	0.7%	< 30	86.4%	85.8%	50 - 150	
Cyfluthrin	0.000	1.916	1.937	2.000	1.1%	< 30	95.8%	96.9%	30 - 150	
Cypermethrin	0.000	2.119	2.349	2.000	10.3%	< 30	105.9%	117.4%	50 - 150	
Daminozide	0.529	1.547	1.543	2.000	0.3%	< 30	50.9%	50.7%	30 - 150	
Diazinon	0.000	0.404	0.415	0.400	2.7%	< 30	100.9%	103.7%	50 - 150	
Dichlorvos	0.000	1.897	1.903	2.000	0.3%	< 30	94.9%	95.1%	50 - 150	
Dimethoate	0.000	0.362	0.371	0.400	2.5%	< 30	90.6%	92.9%	50 - 150	
Ethoprophos	0.000	0.359	0.358	0.400	0.3%	< 30	89.8%	89.6%	50 - 150	
Etofenprox	0.000	0.846	0.773	0.800	9.0%	< 30	105.7%	96.6%	50 - 150	
Etoxazole	0.000	0.358	0.357	0.400	0.3%	< 30	89.6%	89.3%	50 - 150	
Fenoxycarb	0.000	0.373	0.380	0.400	1.9%	< 30	93.1%	95.0%	50 - 150	
Fenpyroximate	0.034	0.724	0.728	0.800	0.7%	< 30	86.2%	86.8%	50 - 150	
Fipronil	0.000	0.735	0.722	0.800	1.8%	< 30	91.9%	90.2%	50 - 150	
Flonicamid	0.000	0.915	0.963	1.000	5.1%	< 30	91.5%	96.3%	50 - 150	
Fludioxonil	0.000	0.799	0.742	0.800	7.3%	< 30	99.8%	92.8%	50 - 150	
Hexythiazox	0.000	0.362	0.377	1.000	3.9%	< 30	36.2%	37.7%	50 - 150	Q
Imazalil	0.000	0.398	0.390	0.400	2.1%	< 30	99.5%	97.4%	50 - 150	
Imidacloprid	0.000	0.764	0.772	0.800	1.1%	< 30	95.5%	96.5%	50 - 150	
Kresoxim-methyl	0.000	0.710	0.751	0.800	5.6%	< 30	88.8%	93.9%	50 - 150	
Malathion	0.000	0.384	0.368	0.400	4.2%	< 30	95.9%	92.0%	50 - 150	
Metaxyl	0.000	0.370	0.360	0.400	2.8%	< 30	92.4%	89.9%	50 - 150	
Methiocarb	0.007	0.347	0.368	0.400	6.0%	< 30	85.0%	90.2%	50 - 150	
Methomyl	0.000	0.722	0.742	0.800	2.6%	< 30	90.3%	92.7%	50 - 150	
MGK-264	0.000	0.372	0.398	0.400	6.8%	< 30	92.9%	99.4%	50 - 150	
Myclobutanil	0.000	0.373	0.388	0.400	4.1%	< 30	93.1%	97.1%	50 - 150	
Naled	0.000	0.913	0.950	1.000	4.0%	< 30	91.3%	95.0%	50 - 150	
Oxamyl	0.000	1.853	1.887	2.000	1.8%	< 30	92.6%	94.3%	50 - 150	
Paclobutrazole	0.000	0.749	0.746	0.800	0.5%	< 30	93.6%	93.2%	50 - 150	
Parathion-Methyl	0.000	0.726	0.776	0.800	6.6%	< 30	90.7%	97.0%	30 - 150	
Permethrin	0.000	0.396	0.389	0.400	1.8%	< 30	99.0%	97.3%	50 - 150	
Phosmet	0.000	0.393	0.385	0.400	1.9%	< 30	98.1%	96.3%	50 - 150	
Piperonyl butoxide	0.000	1.797	1.835	2.000	2.1%	< 30	89.9%	91.8%	50 - 150	
Prallethrin	0.244	0.860	0.760	0.400	17.7%	< 30	153.9%	128.9%	50 - 150	Q1
Propiconazole	0.000	0.812	0.828	0.800	1.9%	< 30	101.5%	103.5%	50 - 150	
Propoxur	0.000	0.346	0.350	0.400	1.2%	< 30	86.5%	87.6%	50 - 150	
Pyrethrin (Summe)	0.000	0.429	0.424	0.413	1.1%	< 30	103.8%	102.7%	50 - 150	
Pyridaben	0.000	0.388	0.426	0.400	9.3%	< 30	97.0%	106.4%	50 - 150	
Spinosad	0.000	0.378	0.382	0.388	1.2%	< 30	97.4%	98.6%	50 - 150	
Spiromesifen	0.000	0.394	0.386	0.400	2.1%	< 30	98.5%	96.5%	50 - 150	
Spirotetramat	0.000	0.373	0.374	0.400	0.2%	< 30	93.2%	93.4%	50 - 150	
Spiroxamine	0.000	0.729	0.745	0.800	2.1%	< 30	91.2%	93.1%	50 - 150	
Tebuconazole	0.000	0.714	0.757	0.800	5.9%	< 30	89.2%	94.7%	50 - 150	
Thiacloprid	0.000	0.368	0.368	0.400	0.0%	< 30	92.0%	92.0%	50 - 150	
Thiamethoxam	0.000	0.385	0.391	0.400	1.5%	< 30	96.2%	97.7%	50 - 150	
Trifloxystrobin	0.000	0.377	0.427	0.400	12.3%	< 30	94.3%	106.7%	50 - 150	



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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.