





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

**Report Number:** 21-012487/D002.R000  
**Report Date:** 10/27/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/22/21 15:52



Solvents					Residual Solvents by GC/MS					Batch 2109693				
Method					Analyze 10/27/21 01:38 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	< 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 2109617 Analyze 10/25/21 04:49 PM											
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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**Purchase Order:**  
**Received:** 10/22/21 15:52

**Customer:** United States of America (USA)  
**Product identity:** CRD B#GVL-TST43 Dup  
**Client/Metric ID:** .  
**Sample Date:** 10/22/21 11:00  
**Laboratory ID:** 21-012487-0004  
**Evidence of Cooling:** No  
**Temp:** 18.6 °C  
**Relinquished by:** Holden

### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2109643	Analyze: 10/26/21 2:06:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	6.35		0.0845			
CBC-A†	< LOQ		0.0845			
CBC-Total†	6.35		0.159			
CBD	38.0		0.845			
CBD-A	< LOQ		0.0845			
CBD-Total	38.0		0.919			
CBDV†	0.768		0.0845			
CBDV-A†	< LOQ		0.0845			
CBDV-Total†	0.768		0.158			
CBE†	5.45		0.0845			
CBG†	2.28		0.0845			
CBG-A†	< LOQ		0.0845			
CBG-Total	2.28		0.158			
CBL†	0.538		0.0845			
CBL-A†	< LOQ		0.0845			
CBL-Total†	0.538		0.159			
CBN	4.54		0.0845			
CBT†	8.51		0.0845			
Δ8-THC†	< LOQ		0.0845			
Δ8-THCV	< LOQ		0.0845			
Δ9-THC	< LOQ		0.0845			
THC-A	< LOQ		0.0845			
THC-Total	< LOQ		0.159			
THCV†	< LOQ		0.0845			
THCV-A†	< LOQ		0.0845			
THCV-Total†	< LOQ		0.158			
<b>Total Cannabinoids†</b>	<b>66.4</b>					



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

**Abbreviations**

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

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

† = Analyte not NELAP accredited.

**Units of Measure**

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:  
 CRD B#GVL-TST43**

	Analysis mg/g						
	CBD	CBD-A	CBD-Total	CBN	THC	THC-A	THC-Total
21-012487-0003	396	< 0.976	396	46.1	< 0.976	< 0.976	< 1.83
21-012487-0004	380	< 0.845	380	45.4	< 0.845	< 0.845	< 1.59
Average mg/g	388	n/a	388	45.75	n/a	n/a	n/a
Stdev	8.00	0.000	8.00	0.350	0.000	0.000	0.000
%RPD	4.1%	0.0%	4.1%	1.5%	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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Portland OR, 97230  
Phone: (503)254-1794 Fax: (503)254-1452

**Cannabis Chain of Custody Record**

**Columbia LABORATORIES**  
ORELAP ID: OR100028  
OLCC license #: 1003224D558

<b>Client Information</b>		<b>Purchase Order:</b>	
<b>Company:</b>		<b>Project #:</b> 21-012487	
<b>Contact:</b>		<b>Project ID:</b> 21-012487	
<b>Address:</b>		<input type="checkbox"/> - Send to State (METRC) &/or OHA	
<b>Email:</b>		<input type="checkbox"/> - Email Final Results:	
<b>Phone:</b> 909-660-2939 <b>Fax:</b>			
<b>Processor's License:</b> AG-R1065475IHH		<b>Bill to email/address:</b>	

Sample #	Columbia Sample ID	Lot#/Metrac Tag ID#	Matrix	Product/Strain Name	Date Sampled	Sample Weight (g)	Analysis Requested														
							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	21-012487-0001	n/a	Extract - Distillate	CRD B#GVL-TST42 Primary	10/22/2021	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	21-012487-0002	n/a	Extract - Distillate	CRD B#GVL-TST42 Dup	10/22/2021	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	21-012487-0003	n/a	Extract - Distillate	CRD B#GVL-TST43 Primary	10/22/2021	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	21-012487-0004	n/a	Extract - Distillate	CRD B#GVL-TST43 Dup	10/22/2021	16.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	21-012487-0005	Blank	Extract - Oil	Transport Blank - No Charge	10/22/2021	1g	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

<b>Collected By:</b>	<b>Relinquished By:</b>	<b>Date</b>	<b>Time</b>	<b>Received By:</b>	<b>Date</b>	<b>Time</b>	<b>Labs Use Only:</b>
<input type="checkbox"/> Standard 5 day	<i>[Signature]</i>	10/22/21	11:30	<i>[Signature]</i>	10/22/21	11:30	Client Alias: _____
<input checked="" type="checkbox"/> Rush (1.5 x Standard)	<i>[Signature]</i>	10/22/21	13:45	<i>[Signature]</i>	10/22	1557	Order Number: _____
<input type="checkbox"/> Priority Rush (2 x Standard)							<input type="checkbox"/> Proper Container
<b>Ask About Availability</b>							<input type="checkbox"/> Sample Condition
							<input checked="" type="checkbox"/> Temperature: 18°C
							<input checked="" type="checkbox"/> Shipped Via: <i>Holden</i>
							Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No

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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Page 1 of 2



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**Cannabis Chain of Custody Record**



ORELAP ID: OR100028  
OLCC license #: 1003224D558

Chain of Custody Instructions	
<b>REPORT ATTENTION -</b>	Name of the person who receives the labs report
<b>CUSTOMER NAME -</b>	Name of the company or individual requesting the analysis.
<b>MAILING ADDRESS -</b>	Address of the customer to which the labs report and billings should be sent.
<b>REPORT INSTRUCTIONS -</b>	A brief description of any special mail or transmittal instruction or address information pertaining to extra report copies.
<b>PROJECT NAME -</b>	Applies to customer project name.
<b>PROJECT NUMBER -</b>	Applies only to samples submitted by the customer for its internal identification purposes.
<b>REPORTING REQUEST STATE COMPLIANCE</b>	Applies to all samples <b>MUST BE CHECKED FOR ALL COMPLIANCE WORK REQUESTED</b> for reporting to METRC
<b>SAMPLE ID -</b>	A short description of the sample point and material to be analyzed. This description will appear on the report.
<b>COLLECTION DATE -</b>	The date on which the sample(s) was/were collected.
<b>COLLECTION TIME -</b>	The time at which the sample(s) was/were collected.
<b>MEDIA -</b>	This is a description of the sample media (e.g., drinking water, waste water, soil, etc.)
<b>ANALYSIS REQUESTED -</b>	Use one line for each analysis or group of analyses associated to a specific bottle or container.
<b>SAMPLE COLLECTED BY -</b>	The person who collected the sample(s) signs here.
<b>RELINQUISHED BY -</b>	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.
<b>RECEIVED BY -</b>	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.
<b>JOB OR SAMPLE REMARKS -</b>	General sample or job remarks such as high concentrations, or hazardous content.
<b>AUTHORIZED CUSTOMER SIGNATURE -</b>	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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Page 2 of 2



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

Report Number: 21-012487/D002.R000
Report Date: 10/27/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/22/21 15:52



Columbia Laboratories
Sampling Record/Field Data

CS Labs Sampling Template Revision 0.00 Control CFL41
Revision date: 01/07/2021 Effective Date DRAFT/2021

Processor/Client:
Location:
OHA License #: AG-R1065475HH
Requester: Chelsea Thomas
SOP: C913\_Extracts and Concentrate Sampling

Date: 10/22/2021
Sampler: Holden
Sampling Event/Project ID: 21-012487
Balance ID: B-21
Thermometer ID: CFL-000716

Table with 7 columns: Weight Used (g), Serial #, Acceptance Limits, Initial Measured, Initial Result, Final Measured, Final Result. Rows show data for CFL-000502 and CFL-000500.

Main data table for sample 21-012487-0001. Includes columns for Container type, Batch #, Product type, Strain ID, Harvest/Prod Date, Batch size, Product Temp, # of containers, # of Increments, primary sample (ml), and an Increment Log with columns for Increment ID, Sample Media, Container ID, Inc. Zone, Media Wt. (g), Vol. Sample (ml), Wt. Inc. & Media (g), Sample Weight, and MetrcID.

Main data table for sample 21-012487-0002. Includes columns for Container type, Batch #, Product type, Strain ID, Harvest/Prod Date, Batch size, Product Temp, # of containers, # of Increments, primary sample (ml), and an Increment Log with columns for Increment ID, Sample Media, Container ID, Inc. Zone, Media Wt. (g), Vol. Sample (ml), Wt. Inc. & Media (g), Sample Weight, and MetrcID.

Main data table for sample 21-012487-0003. Includes columns for Container type, Batch #, Product type, Strain ID, Harvest/Prod Date, Batch size, Product Temp, # of containers, # of Increments, primary sample (ml), and an Increment Log with columns for Increment ID, Sample Media, Container ID, Inc. Zone, Media Wt. (g), Vol. Sample (ml), Wt. Inc. & Media (g), Sample Weight, and MetrcID.

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: 21-012487/D002.R000  
 Report Date: 10/27/2021  
 ORELAP#: OR100028  
 Purchase Order:  
 Received: 10/22/21 15:52



Columbia Laboratories  
 Sampling Record/Field Data

CS Labs Sampling Template Revision 0.00 Control CF041  
 Revision date: 03/07/2021 Effective Date DRAFT/2021

Processor/Client  
 Location  
 OHA License #: AG-R1065475IHH  
 Requester: Chelsea Thomas  
 SOP: C918\_Extracts and Concentrate Sampling

Date: 10/22/2021  
 Sampler: Holden  
 Sampling Event/Project ID: 21-012487  
 Balance ID: B-21  
 Thermometer ID: CFL-000716

Weight Used (g)	Serial #	Acceptance Limits	Initial Measured	Initial Result	Final Measured	Final Result
0.10	CFL-000502	(+/-0.0005g)	0.10	Acceptable	0.10	Acceptable
50.00	CFL-000500	(+/-0.025g)	50.00	Acceptable	49.99	Acceptable

21-012487-0003	10ml Vial	Container ID.1	m3	1.0	1.0	1.00		
21-012487-0003	10ml Vial	Container ID.1	t4	1.0	1.0	1.00		
<b>Totals</b>								
16.00								
<b>Observations:</b>								
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:								
<b>Container type</b>								
Batch #, Lot # or METRC ID Product type Strain ID Harvest/Prod Date Batch size (lbs.)								
Glass Jar n/a Extract - Distillate CRD BFGSVL-TST43 Dup 10/22/2021 144.00								
Product Temp @ # of containers # of increments primary sample (ml)								
19.0 1 16 1.00								
<b>Increment Log</b>								
Increment ID #1 ID	Sample Media	Container ID	Inc. Zone	Media Wt. (g)	Vol. Sample (ml)	Wt. Inc. & Media (g)	Sample Weight	MetricID
21-012487-0004	10ml Vial	Container ID.1	t4	34.46	1.0	35.46	1.00	
21-012487-0004	10ml Vial	Container ID.1	b3		1.0		1.00	
21-012487-0004	10ml Vial	Container ID.1	b2		1.0		1.00	
21-012487-0004	10ml Vial	Container ID.1	t1		1.0		1.00	
21-012487-0004	10ml Vial	Container ID.1	t4		1.0		1.00	
21-012487-0004	10ml Vial	Container ID.1	m3		1.0		1.00	
21-012487-0004	10ml Vial	Container ID.1	b2		1.0		1.00	
21-012487-0004	10ml Vial	Container ID.1	b3		1.0		1.00	
21-012487-0004	10ml Vial	Container ID.1	m4		1.0		1.00	
21-012487-0004	10ml Vial	Container ID.1	m1		1.0		1.00	
21-012487-0004	10ml Vial	Container ID.1	b2		1.0		1.00	
21-012487-0004	10ml Vial	Container ID.1	b4		1.0		1.00	
21-012487-0004	10ml Vial	Container ID.1	b3		1.0		1.00	
21-012487-0004	10ml Vial	Container ID.1	b2		1.0		1.00	
21-012487-0004	10ml Vial	Container ID.1	t2		1.0		1.00	
21-012487-0004	10ml Vial	Container ID.1	m3		1.0		1.00	
<b>Totals</b>								
16.00								
<b>Observations:</b>								
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:								

Sampled By: [Signature]  
 Date: 10/22/21  
 Time: 11:30am

Accepted By: [Signature]  
 Date: 10/22/21  
 Time: 11:30am



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



**Report Number:** 21-012487/D002.R000  
**Report Date:** 10/27/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/22/21 15:52

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

**Laboratory Pesticide Quality Control Results**

AOAC 2007.1 & EN 15662		Units: mg/Kg			Batch ID: 2109617			
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
	0.010	< 0.250		1.335	1.000	133.5	70.5 - 131	Q1
Acephate	0.326	< 1.000		3.016	4.000	75.4	72.0 - 134	
Acetamiprid	0.000	< 0.100		0.483	0.400	120.9	70.8 - 131	
Aldicarb	0.000	< 0.200		1.023	0.800	127.8	73.7 - 137	
Abamectin	0.000	< 0.250		1.423	1.000	142.3	73.1 - 136	Q1
Azoxystrobin	0.002	< 0.100		0.441	0.400	110.3	70.3 - 131	
Bifenazate	0.000	< 0.100		0.501	0.400	125.3	74.9 - 139	
Bifenthrin	0.000	< 0.100		0.425	0.400	106.2	70.0 - 130	
Boscalid	0.000	< 0.200		0.921	0.800	115.1	70.3 - 131	
Carbaryl	0.004	< 0.100		0.505	0.400	126.3	70.5 - 131	
Carbofuran	0.002	< 0.100		0.453	0.400	113.2	72.2 - 134	
Chlorantraniliprol	0.000	< 0.100		0.340	0.400	85.0	68.9 - 128	
Chlorfenapyr	0.000	< 0.500		2.086	2.000	104.3	71.1 - 132	
Chlorpyrifos	0.000	< 0.100		0.492	0.400	123.1	68.5 - 127	
Clofentezine	0.000	< 0.100		0.462	0.400	115.4	69.9 - 130	
Cyfluthrin	0.014	< 0.500		2.237	2.000	111.9	72.5 - 135	
Cypermethrin	0.000	< 0.500		2.339	2.000	116.9	71.4 - 133	
Daminozide	0.071	< 0.500		2.074	2.000	103.7	71.7 - 133	
Diazinon	0.000	< 0.100		0.516	0.400	128.9	70.5 - 131	
Dichlorvos	0.000	< 0.500		2.277	2.000	113.8	68.7 - 128	
Dimethoat	0.000	< 0.100		0.471	0.400	117.8	70.9 - 132	
Ethoprophos	0.000	< 0.100		0.481	0.400	120.3	69.6 - 129	
Etofenprox	0.037	< 0.200		0.811	0.800	101.4	72.4 - 135	
Etoxazol	0.000	< 0.100		0.457	0.400	114.2	70.9 - 132	
Fenoxycarb	0.000	< 0.100		0.464	0.400	115.9	70.2 - 130	
Fenpyroximat	0.000	< 0.200		0.932	0.800	116.4	71.1 - 132	
Fipronil	0.000	< 0.200		0.948	0.800	118.5	72.2 - 134	
Flonicamid	0.000	< 0.250		1.285	1.000	128.5	70.8 - 131	
Fludioxonil	0.000	< 0.200		0.918	0.800	114.8	74.0 - 137	
Hexythiazox	0.000	< 0.250		1.106	1.000	110.6	69.3 - 129	
Imazalil	0.000	< 0.100		0.485	0.400	121.2	72.5 - 135	
Imidacloprid	0.000	< 0.200		0.966	0.800	120.7	70.3 - 131	
Kresoxim-Methyl	0.000	< 0.200		0.908	0.800	113.5	70.5 - 131	
Malathion	0.000	< 0.100		0.467	0.400	116.9	69.9 - 130	
Metalaxyl	0.000	< 0.100		0.461	0.400	115.2	71.0 - 132	
Methiocarb	0.000	< 0.100		0.458	0.400	114.5	70.5 - 131	
Methomyl	0.000	< 0.200		0.956	0.800	119.4	70.0 - 130	
M/GK 264	0.000	< 0.100		0.484	0.400	121.0	69.9 - 130	
Myclobutanil	0.000	< 0.100		0.475	0.400	118.8	70.6 - 131	
Naled	0.000	< 0.250		1.106	1.000	110.6	72.5 - 135	
Oxamyl	0.000	< 0.500		2.424	2.000	121.2	70.7 - 131	
Paclobutrazol	0.000	< 0.200		0.948	0.800	118.5	71.0 - 132	
Parathion Methyl	0.000	< 0.200		0.905	0.800	113.1	72.6 - 135	
Permethrin	0.000	< 0.100		0.454	0.400	113.6	70.7 - 131	
Phosmet	0.000	< 0.100		0.460	0.400	115.0	70.3 - 130	
Piperonyl butoxide	0.000	< 0.500		2.098	2.000	104.9	73.5 - 136	
Prallethrin	0.000	< 0.100		0.450	0.400	112.5	71.2 - 132	
Propiconazole	0.000	< 0.200		0.927	0.800	115.9	70.5 - 131	
Propoxur	0.009	< 0.100		0.440	0.400	110.1	70.0 - 130	
Pyrethrins	0.000	< 0.100		0.348	0.413	84.3	68.6 - 127	
Pyridaben	0.000	< 0.100		0.451	0.400	112.8	70.2 - 130	
Spinosad	0.000	< 0.100		0.435	0.388	112.1	72.6 - 135	
Spiromesifen	0.000	< 0.100		0.409	0.400	102.2	71.7 - 133	
Spirotetramat	0.000	< 0.100		0.466	0.400	116.4	70.7 - 131	
Spiroxamine	0.000	< 0.200		0.911	0.800	113.9	68.8 - 128	
Tebuconazol	0.000	< 0.200		0.935	0.800	116.9	70.3 - 131	
Thiadoprid	0.000	< 0.100		0.473	0.400	118.3	70.0 - 130	
Thiamethoxam	0.000	< 0.100		0.503	0.400	125.7	70.1 - 130	
Trifloxystrobin	0.000	< 0.100		0.463	0.400	115.9	70.8 - 131	





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



Report Number: 21-012487/D002.R000  
 Report Date: 10/27/2021  
 ORELAP#: OR100028  
 Purchase Order:  
 Received: 10/22/21 15:52

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

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg						Batch ID: 2109617			
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 21-012323-0002									
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes	
Acephate	0.018	1.325	1.310	1.000	1.1%	< 30	130.7%	129.3%	50 - 150		
Acetaminoprid	0.000	3.091	3.933	4.000	24.0%	< 30	77.3%	98.3%	50 - 150		
Aldicarb	0.000	0.475	0.468	0.400	1.4%	< 30	118.8%	117.1%	50 - 150		
Abamectin	0.000	1.162	1.021	1.000	12.9%	< 30	116.2%	102.1%	50 - 150		
Azoxystrobin	0.000	0.382	0.368	0.400	3.8%	< 30	95.5%	91.9%	50 - 150		
Bifenazate	0.000	0.500	0.494	0.400	1.3%	< 30	125.1%	123.5%	50 - 150		
Bifenthrin	0.000	0.413	0.393	0.400	4.8%	< 30	103.1%	98.3%	50 - 150		
Boscalid	0.000	0.906	0.840	0.800	7.5%	< 30	113.2%	105.0%	50 - 150		
Carbaryl	0.000	0.466	0.465	0.400	0.3%	< 30	116.5%	116.2%	50 - 150		
Carbofuran	0.000	0.390	0.385	0.400	1.4%	< 30	97.6%	96.2%	50 - 150		
Chlorantraniliprol	0.000	0.306	0.309	0.400	1.1%	< 30	76.5%	77.4%	50 - 150		
Chlorfenapyr	0.000	1.304	1.216	2.000	7.0%	< 30	65.2%	60.8%	50 - 150		
Chlorpyrifos	0.000	0.194	0.189	0.400	2.2%	< 30	48.4%	47.3%	50 - 150	Q	
Clofentezine	0.000	0.272	0.280	0.400	2.7%	< 30	68.0%	69.9%	50 - 150		
Cyfluthrin	0.000	1.776	1.908	2.000	7.1%	< 30	88.8%	95.4%	30 - 150		
Cypermethrin	0.000	2.263	2.336	2.000	3.2%	< 30	113.1%	116.8%	50 - 150		
Daminozide	0.000	1.898	1.884	2.000	0.7%	< 30	94.9%	94.2%	30 - 150		
Diazinon	0.000	0.426	0.418	0.400	2.0%	< 30	106.5%	104.4%	50 - 150		
Dichlorvos	0.000	2.256	2.243	2.000	0.6%	< 30	112.8%	112.1%	50 - 150		
Dimethoat	0.000	0.472	0.470	0.400	0.6%	< 30	118.1%	117.4%	50 - 150		
Ethoprophos	0.000	0.421	0.413	0.400	1.9%	< 30	105.3%	103.3%	50 - 150		
Etofenprox	0.000	0.810	0.814	0.800	0.4%	< 30	101.3%	101.7%	50 - 150		
Etoxazol	0.000	0.441	0.428	0.400	2.9%	< 30	110.2%	107.1%	50 - 150		
Fenoxycarb	0.000	0.385	0.383	0.400	0.5%	< 30	96.3%	95.8%	50 - 150		
Fenpyroximat	0.000	0.920	0.878	0.800	4.7%	< 30	115.0%	109.7%	50 - 150		
Fipronil	0.000	0.637	0.596	0.800	6.6%	< 30	79.6%	74.5%	50 - 150		
Flonicamid	0.000	1.134	1.177	1.000	3.7%	< 30	113.4%	117.7%	50 - 150		
Fludioxonil	0.000	0.984	0.937	0.800	4.9%	< 30	123.0%	117.1%	50 - 150		
Hexythiazox	0.000	0.234	0.233	1.000	0.7%	< 30	23.4%	23.3%	50 - 150	Q	
Imazalil	0.000	0.441	0.448	0.400	1.7%	< 30	110.2%	112.1%	50 - 150		
Imidacloprid	0.000	0.962	0.955	0.800	0.7%	< 30	120.3%	119.4%	50 - 150		
Kresoxim-Methyl	0.000	0.804	0.789	0.800	1.9%	< 30	100.6%	98.6%	50 - 150		
Malathion	0.002	0.463	0.425	0.400	8.5%	< 30	115.4%	105.9%	50 - 150		
Metaxalyl	0.000	0.441	0.424	0.400	3.8%	< 30	110.1%	106.0%	50 - 150		
Methiocarb	0.000	0.401	0.405	0.400	0.8%	< 30	100.4%	101.2%	50 - 150		
Methomyl	0.000	0.854	0.920	0.800	7.5%	< 30	106.7%	115.1%	50 - 150		
MGK 264	0.000	0.151	0.150	0.400	0.4%	< 30	37.8%	37.6%	50 - 150	Q	
Myclobutanil	0.000	0.451	0.440	0.400	2.4%	< 30	112.7%	110.1%	50 - 150		
Naled	0.000	0.879	0.945	1.000	7.3%	< 30	87.9%	94.5%	50 - 150		
Oxamyl	0.000	2.368	2.313	2.000	2.3%	< 30	118.4%	115.7%	50 - 150		
Paclobutrazol	0.000	0.842	0.832	0.800	1.3%	< 30	105.3%	104.0%	50 - 150		
Parathion Methyl	0.000	0.877	0.737	0.800	17.3%	< 30	109.6%	92.1%	30 - 150		
Permethrin	0.000	0.499	0.462	0.400	7.6%	< 30	124.7%	115.6%	50 - 150		
Phosmet	0.000	0.447	0.447	0.400	0.1%	< 30	111.8%	111.9%	50 - 150		
Piperonyl butoxide	0.000	2.105	2.054	2.000	2.4%	< 30	105.3%	102.7%	50 - 150		
Prallethrin	0.000	0.283	0.235	0.400	18.6%	< 30	70.7%	58.7%	50 - 150		
Propiconazole	0.000	0.918	0.917	0.800	0.1%	< 30	114.8%	114.6%	50 - 150		
Propoxur	0.000	0.409	0.401	0.400	2.1%	< 30	102.3%	100.2%	50 - 150		
Pyrethrins	0.000	0.387	0.381	0.413	1.8%	< 30	93.8%	92.1%	50 - 150		
Pyridaben	0.000	0.461	0.447	0.400	3.1%	< 30	115.3%	111.8%	50 - 150		
Spinosad	0.000	0.379	0.375	0.388	1.1%	< 30	97.7%	96.7%	50 - 150		
Spiromesifen	0.000	0.509	0.399	0.400	24.3%	< 30	127.2%	99.6%	50 - 150		
Spirotetramat	0.000	0.486	0.481	0.400	1.1%	< 30	121.6%	120.3%	50 - 150		
Spiroxamine	0.000	0.894	0.891	0.800	0.3%	< 30	111.8%	111.4%	50 - 150		
Tebuconazol	0.000	0.857	0.864	0.800	0.8%	< 30	107.1%	108.0%	50 - 150		
Thiadoprid	0.000	0.468	0.463	0.400	1.1%	< 30	117.1%	115.8%	50 - 150		
Thiamethoxam	0.000	0.450	0.497	0.400	10.0%	< 30	112.4%	124.3%	50 - 150		
Trifloxystrobin	0.000	0.385	0.389	0.400	1.1%	< 30	96.3%	97.4%	50 - 150		



12423 NE Whitaker Way  
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**Report Number:** 21-012487/D002.R000  
**Report Date:** 10/27/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/22/21 15:52



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: 2109643**

Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.190	0.2	%	94.9	85.0 - 115	Acceptable	
CBDV	0.201	0.2	%	100	85.0 - 115	Acceptable	
CBE	0.192	0.2	%	96.1	85.0 - 115	Acceptable	
CBD	0.193	0.2	%	96.4	85.0 - 115	Acceptable	
CBGA	0.189	0.2	%	94.5	85.0 - 115	Acceptable	
CBG	0.199	0.2	%	99.5	85.0 - 115	Acceptable	
CBD	0.204	0.2	%	102	85.0 - 115	Acceptable	
THCV	0.193	0.2	%	96.4	85.0 - 115	Acceptable	
d8THCV	0.186	0.2	%	92.9	85.0 - 115	Acceptable	
THCVA	0.186	0.2	%	93.0	85.0 - 115	Acceptable	
CBN	0.210	0.2	%	105	85.0 - 115	Acceptable	
exo-THC	0.178	0.2	%	88.9	85.0 - 115	Acceptable	
d9THC	0.202	0.2	%	101	85.0 - 115	Acceptable	
d8THC	0.193	0.2	%	96.3	85.0 - 115	Acceptable	
CBL	0.176	0.2	%	87.8	85.0 - 115	Acceptable	
CBC	0.198	0.2	%	98.9	85.0 - 115	Acceptable	
THCA	0.201	0.2	%	100	85.0 - 115	Acceptable	
CBCA	0.195	0.2	%	97.3	85.0 - 115	Acceptable	
CBLA	0.192	0.2	%	96.1	85.0 - 115	Acceptable	
CBT	0.200	0.2	%	100	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	
CBD	<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  
 503-254-1794



**Report Number:** 21-012487/D002.R000  
**Report Date:** 10/27/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
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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: 2109643						
Sample Duplicate		Sample ID: 21-012171-0001-01						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG	<LOQ	0.101	0.1	%	NA	< 20	Acceptable	
CBD	5.99	6.10	0.1	%	1.81	< 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	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d9THC	0.214	0.220	0.1	%	2.85	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBC	0.178	0.187	0.1	%	4.70	< 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	0.285	0.125	0.1	%	77.9	< 20	Outlier	Q6

**Abbreviations**

- ND - None Detected at or above MRL
- RPD - Relative Percent Difference
- LOQ - Limit of Quantitation
- NA - Calculation Not Applicable given non-numerical results
- Q6 - Quality control outside QC limits. Data acceptable based on remaining QC.

**Units of Measure:**

% - Percent





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Laboratory Quality Control Results

Batch ID: 2109693

Residual Solvents		Laboratory Control Sample							
Method Blank	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		376	407	µg/g	92.4	70 - 130	
Isobutane	ND	< 200		426	491	µg/g	86.8	70 - 130	
Butane	ND	< 200		407	491	µg/g	82.9	70 - 130	
2,2-Dimethylpropane	ND	< 200		523	609	µg/g	85.9	70 - 130	
Methanol	ND	< 200		1280	1610	µg/g	79.5	70 - 130	
Ethylene Oxide	ND	< 30		38.3	38.9	µg/g	98.5	70 - 130	
2-Methylbutane	ND	< 200		1400	1610	µg/g	87.0	70 - 130	
Pentane	ND	< 200		1400	1610	µg/g	87.0	70 - 130	
Ethanol	ND	< 200		1490	1610	µg/g	92.5	70 - 130	
Ethyl Ether	ND	< 200		1400	1610	µg/g	87.0	70 - 130	
2,2-Dimethylbutane	ND	< 30		162	164	µg/g	98.8	70 - 130	
Acetone	ND	< 200		1400	1610	µg/g	87.0	70 - 130	
2-Propanol	ND	< 200		1450	1610	µg/g	90.1	70 - 130	
Acetonitrile	ND	< 100		430	484	µg/g	88.8	70 - 130	
2,3-Dimethylbutane	ND	< 30		166	167	µg/g	99.4	70 - 130	
Dichloromethane	ND	< 60		461	491	µg/g	93.9	70 - 130	
2-Methylpentane	ND	< 30		161	165	µg/g	97.6	70 - 130	
3-Methylpentane	ND	< 30		156	172	µg/g	90.7	70 - 130	
Hexane	ND	< 30		150	167	µg/g	89.8	70 - 130	
Ethyl acetate	ND	< 200		1370	1610	µg/g	85.1	70 - 130	
2-Butanol	ND	< 200		1380	1610	µg/g	85.7	70 - 130	
Tetrahydrofuran	ND	< 100		476	483	µg/g	98.6	70 - 130	
Cyclohexane	ND	< 200		1450	1610	µg/g	90.1	70 - 130	
Benzene	ND	< 1		5.07	5.36	µg/g	94.6	70 - 130	
Isopropyl Acetate	ND	< 200		1440	1620	µg/g	88.9	70 - 130	
Heptane	ND	< 200		1390	1610	µg/g	86.3	70 - 130	
1,4-Dioxane	ND	< 100		448	489	µg/g	91.6	70 - 130	
2-Ethoxyethanol	ND	< 30		137	167	µg/g	82.0	70 - 130	
Ethylene Glycol	ND	< 200		373	504	µg/g	74.0	70 - 130	
Toluene	ND	< 200		453	484	µg/g	93.6	70 - 130	
Ethylbenzene	ND	< 200		928	968	µg/g	95.9	70 - 130	
m,p-Xylene	ND	< 200		761	977	µg/g	77.9	70 - 130	
o-Xylene	ND	< 200		803	982	µg/g	81.8	70 - 130	
Cumene	ND	< 30		137	169	µg/g	81.1	70 - 130	



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Revision: Document ID:  
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QC - Sample Duplicate Sample ID: 21-012487-0001

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	ND	ND	200	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
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	

**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.