Columbia LABORATORIES
A Tentamus Company

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

Report Number:	22-011624/D002.R000
Report Date:	10/04/2022
ORELAP#:	OR100028
Purchase Order:	
Received:	09/27/22 15:29

Customer:	IHC LLC
Product identity:	Live D9 Gummies
Client/Metrc ID:	.
Laboratory ID:	22-011624-0001

Summary

Residual Solvents:

All analytes passing and less than LOQ.

Microbiology:

Less than LOQ for all analytes.

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-011624/D002.R000
Report Date: 10/04/2022
ORELAP#: OR100028
Purchase Order:
Received: 09/27/22 15:29

Customer: IHC LLC
825 NW 16th Ave
Portland Oregon 97209
United States of America (USA)

Product identity: Live D9 Gummies
Client/Metrc ID: .
Sample Date:
Laboratory ID: 22-011624-0001
Evidence of Cooling: No
Temp: 18.6 °C
Relinquished by: ramos

THE HEMP COLLECT

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2208167	09/30/22	AOAC 991.14 (Petrifilm)þ		I
Total Coliforms	< LOQ		cfu/g	10	2208167	09/30/22	AOAC 991.14 (Petrifilm)þ		I

Solvents

Method: Residual Solvents by GC/MSþ **Units** µg/g **Batch** 2208340 **Analyze** 10/03/22 02:43 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	

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-011624/D002.R000
Report Date: 10/04/2022
ORELAP#: OR100028
Purchase Order:
Received: 09/27/22 15:29

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Aflatoxin B2¥	< LOQ		µg/kg	5.00	2208234	09/29/22	AOAC 2007.01 & EN 15662 (mod)Þ		
Aflatoxin B1¥	< LOQ		µg/kg	5.00	2208234	09/29/22	AOAC 2007.01 & EN 15662 (mod)Þ		
Aflatoxin G1¥	< LOQ		µg/kg	5.00	2208234	09/29/22	AOAC 2007.01 & EN 15662 (mod)Þ		
Aflatoxin G2¥	< LOQ		µg/kg	5.00	2208234	09/29/22	AOAC 2007.01 & EN 15662 (mod)Þ		
Ochratoxin A¥	< LOQ	20.0	µg/kg	5.00	2208234	09/29/22	AOAC 2007.01 & EN 15662 (mod)Þ	pass	
Total Aflatoxins¥	0.000	20.0	µg/kg	20.0		10/04/22	AOAC 2007.01 & EN 15662 (mod)Þ	pass	

Columbia LABORATORIES
A Tentamus Company

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

Report Number:	22-011624/D002.R000
Report Date:	10/04/2022
ORELAP#:	OR100028
Purchase Order:	
Received:	09/27/22 15:29

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.

ᵇ = ISO/IEC 17025:2017 accredited method.
¥ = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram
µg/g = Microgram per gram
µg/kg = Micrograms per kilogram = parts per billion (ppb)
% wt = µg/g divided by 10,000

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

Approved Signatory

Derrick Tanner
General Manager

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-011624/D002.R000
Report Date: 10/04/2022
ORELAP#: OR100028
Purchase Order:
Received: 09/27/22 15:29

Columbia LABORATORIES
A Tentamus Company

Hemp / Cannabis Usable / Extract / Finished Products
Chain of Custody Record

Revision: 4.00 Control#: CR023 Rev 02/24/2021 Eff: 03/04/2021
ORELAP ID: OR100028

THEHEMPCOLLECT 22-011624

Company: The Hemp Collect
Contact: kyle@thehempcollect.com
Street: 431 NW Flanders st.
City: Portland State: OR Zip: 97209
☑ Email Results: dropbox (BHC)
Ph: (b1) 6061b4 ☐ Fx Results: (___)
Billing if different: joel@thehempcollect.com

Analysis Requested

Lab ID	Client Sample Identification	Date	Time	Pesticides – OR 53 compounds	Pesticide Multi-Residue – 379 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Sample Type 1	Weight (Units)	Comments/Metrc ID
1	Live D9 Gummies						X				X		X		E		
2																	R2 Copy: Mary Jane (client)
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

THC

PO Number: _____
Project Number: _____
Project Name: _____
Custom Reporting: _____
Report to State - ☐ METRC or ☐ Other: _____
Turnaround time: ☑ 5 Business Day Standard Turnaround
☐ 3 Business Day Rush Turnaround*
☐ 2 Business Day Rush Turnaround*
*Check for availability
Sampled by: _____

Relinquished by:	Date	Time	Received by:	Date	Time
Kyle Farook	9/27	12:00		9.27	1230
	9.27	1556	RBS	9/27	5:29

Lab Use Only
☐ Shipped Via: _____ or ☐ Client drop
Evidence of cooling: ☐ Yes | ☐ No - Temp (°C): 18.1
Sample in good condition: ☐ Yes | ☐ No _____
☐ Cash | ☐ Check | ☐ CC | ☐ Ref: _____
Prelog storage: _____

E - Sample Type Codes: Vegetation (V) ; Isolates (S) ; Extract/Concentrate (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B)

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

12423 NE Whitaker Way
Portland, OR 97230
P: (503) 254-1794 / Fax: (503) 254-1452
Page _____ of _____
www.columbialaboratories.com

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-011624/D002.R000
Report Date: 10/04/2022
ORELAP#: OR100028
Purchase Order:
Received: 09/27/22 15:29

Revision: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents **Batch ID:** 2208340

Method Blank					Laboratory Control Sample							
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**			**Notes**
Propane	ND	<	200		514	572	µg/g	89.9	60	-	120	
Isobutane	ND	<	200		623	731	µg/g	85.2	60	-	120	
Butane	ND	<	200		612	731	µg/g	83.7	60	-	120	
2,2-Dimethylpropane	ND	<	200		870	936	µg/g	92.9	60	-	120	
Methanol	ND	<	200		1640	1650	µg/g	99.4	60	-	120	
Ethylene Oxide	ND	<	30		51.5	56.2	µg/g	91.6	60	-	120	
2-Methylbutane	ND	<	200		1440	1650	µg/g	87.3	60	-	120	
Pentane	ND	<	200		1540	1650	µg/g	93.3	60	-	120	
Ethanol	ND	<	200		1540	1660	µg/g	92.8	70	-	130	
Ethyl Ether	ND	<	200		1440	1630	µg/g	88.3	60	-	120	
2,2-Dimethylbutane	ND	<	30		160	189	µg/g	84.7	60	-	120	
Acetone	ND	<	200		1570	1650	µg/g	95.2	60	-	120	
2-Propanol	ND	<	200		1560	1650	µg/g	94.5	60	-	120	
Ethyl Formate	ND	<	500		1280	1610	µg/g	79.5	70	-	130	
Acetonitrile	ND	<	100		469	504	µg/g	93.1	60	-	120	
Methyl Acetate	ND	<	500		1690	1630	µg/g	103.7	70	-	130	
2,3-Dimethylbutane	ND	<	30		164	174	µg/g	94.3	60	-	120	
Dichloromethane	ND	<	60		450	521	µg/g	86.4	60	-	120	
2-Methylpentane	ND	<	30		164	187	µg/g	87.7	60	-	120	
MTBE	ND	<	500		1460	1600	µg/g	91.3	70	-	130	
3-Methylpentane	ND	<	30		168	188	µg/g	89.4	60	-	120	
Hexane	ND	<	30		165	182	µg/g	90.7	60	-	120	
1-Propanol	ND	<	500		1790	1610	µg/g	111.2	70	-	130	
Methylethylketone	ND	<	500		1680	1600	µg/g	105.0	70	-	130	
Ethyl acetate	ND	<	200		1550	1630	µg/g	95.1	60	-	120	
2-Butanol	ND	<	200		1550	1630	µg/g	95.1	60	-	120	
Tetrahydrofuran	ND	<	100		434	506	µg/g	85.8	60	-	120	
Cyclohexane	ND	<	200		1420	1640	µg/g	86.6	60	-	120	
2-methyl-1-propanol	ND	<	500		1580	1620	µg/g	97.5	70	-	130	
Benzene	ND	<	1		4.22	4.93	µg/g	85.6	60	-	120	
Isopropyl Acetate	ND	<	200		1560	1640	µg/g	95.1	60	-	120	
Heptane	ND	<	200		1550	1630	µg/g	95.1	60	-	120	
1-Butanol	ND	<	500		1710	1600	µg/g	106.9	70	-	130	
Propyl Acetate	ND	<	500		1730	1620	µg/g	106.8	70	-	130	
1,4-Dioxane	ND	<	100		424	493	µg/g	86.0	60	-	120	
2-Ethoxyethanol	ND	<	30		156	171	µg/g	91.2	60	-	120	
Methylisobutylketone	ND	<	500		1750	1620	µg/g	108.0	70	-	130	
3-Methyl-1-butanol	ND	<	500		1760	1610	µg/g	109.3	70	-	130	
Ethylene Glycol	ND	<	200		503	494	µg/g	101.8	60	-	120	
Toluene	ND	<	100		420	506	µg/g	83.0	60	-	120	
Isobutyl Acetate	ND	<	500		1800	1620	µg/g	111.1	70	-	130	
1-Pentanol	ND	<	500		1880	1610	µg/g	116.8	70	-	130	
Butyl Acetate	ND	<	500		1740	1610	µg/g	108.1	70	-	130	
Ethylbenzene	ND	<	200		852	996	µg/g	85.5	60	-	120	
m,p-Xylene	ND	<	200		871	1010	µg/g	86.2	60	-	120	
o-Xylene	ND	<	200		841	979	µg/g	85.9	60	-	120	
Cumene	ND	<	30		153	188	µg/g	81.4	60	-	120	
Anisole	ND	<	500		1390	1610	µg/g	86.3	70	-	130	
DMSO	ND	<	500		1340	1600	µg/g	83.8	70	-	130	
1,2-dimethoxyethane	ND	<	50		199	190	µg/g	104.7	70	-	130	
Triethylamine	ND	<	500		1480	1610	µg/g	91.9	70	-	130	
N,N-dimethylformamide	ND	<	150		482	496	µg/g	97.2	70	-	130	
N,N-dimethylacetamide	ND	<	150		496	483	µg/g	102.7	70	-	130	
Pyridine	ND	<	50		154	167	µg/g	92.2	70	-	130	
1,2-Dichloroethane	ND	<	1		0.882	1	µg/g	88.2	70	-	130	
Chloroform	ND	<	1		0.899	1	µg/g	89.9	70	-	130	
Trichloroethylene	ND	<	1		0.818	1	µg/g	81.8	70	-	130	
1,1-Dichloroethane	ND	<	1		0.893	1	µg/g	89.3	70	-	130	

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-011624/D002.R000
Report Date: 10/04/2022
ORELAP#: OR100028
Purchase Order:
Received: 09/27/22 15:29

Revision: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

QC - Sample Duplicate **Sample ID: 22-011486-0001**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,1-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

µg/g- Microgram per gram or ppm

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

Report Number:	22-011624/D002.R000
Report Date:	10/04/2022
ORELAP#:	OR100028
Purchase Order:	
Received:	09/27/22 15:29

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-011624/D002.R000
Report Date: 10/04/2022
ORELAP#: OR100028
Purchase Order:
Received: 09/27/22 15:29

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	Quantitaion 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.

Columbia LABORATORIES
A Tentamus Company

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

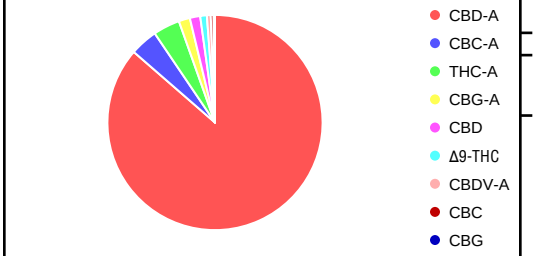
Report Number: 23-000691/D006.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

Customer: IHC LLC
Product identity: 01LIR209_Llama
Client/Metrc ID: .
Laboratory ID: 23-000691-0009

Summary

Potency:

Analyte	Result (%)
CBD-A	68.0
CBC-A	3.27
THC-A	3.16
CBG-A	1.32
CBD	1.23
Δ9-THC	0.785
CBDV-A	0.452
CBC	0.334
CBG	0.163



CBD-Total 60.9%

THC-Total 3.56%

(Reported in percent of total sample)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

Analyte	Result (mg/kg)	Limits (mg/kg)	Status
Multi-Residue Pesticide Profile	< LOQ for all analytes		

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 23-000691/D006.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

Customer: IHC LLC
825 NW 16th Ave
Portland Oregon 97209
United States of America (USA)

Product identity: 01LIR209_Llama
Client/Metrc ID: .
Sample Date:
Laboratory ID: 23-000691-0009
Evidence of Cooling: No
Temp: 20 °C
Relinquished by: ramos

THE HEMP COLLECT

Sample Results

Potency **Method:** J AOAC 2015 V98-6 (mod)[b] **Units** % **Batch:** 2300680 **Analyze:** 1/21/23 5:15:00 AM

Analyte	As Received	Dry weight	LOQ	Notes
CBC	0.334		0.0668	
CBC-A	3.27		0.0668	
CBC-Total	3.20		0.125	
CBD	1.23		0.0668	
CBD-A	68.0		0.668	
CBD-Total	60.9		0.653	
CBDV	< LOQ		0.0668	
CBDV-A	0.452		0.0668	
CBDV-Total	0.392		0.125	
CBE	< LOQ		0.0668	
CBG	0.163		0.0668	
CBG-A	1.32		0.0668	
CBG-Total	1.32		0.125	
CBL	< LOQ		0.0668	
CBL-A	< LOQ		0.0668	
CBL-Total	< LOQ		0.125	
CBN	< LOQ		0.0668	
CBT	< LOQ		0.0668	
Δ10-THC-9R	< LOQ		0.0668	
Δ8-THC	< LOQ		0.0668	
Δ8-THCV	< LOQ		0.0668	
Δ9-THC	0.785		0.0668	
exo-THC	< LOQ		0.0668	
THC-A	3.16		0.0668	
THC-Total	3.56		0.125	
THCV	< LOQ		0.0668	
THCV-A	< LOQ		0.0668	
THCV-Total	< LOQ		0.125	
Total Cannabinoids	78.7			

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 23-000691/D006.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2300531	01/21/23	AOAC 2014.05 (RAPID)þ		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2300531	01/21/23	AOAC 2014.05 (RAPID)þ		

Solvents

Method: Residual Solvents by GC/MSþ **Units** µg/g **Batch** 2300722 **Analyze** 01/24/23 12:13 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	

Pesticides

Method: AOAC 2007.01 & EN 15662 (mod)þ **Units** mg/kg **Batch** 2300713 **Analyze** 01/24/23 10:07 AM

Analyte	Result	Limits	Status	Notes
Multi-Residue Pesticide Profile	< LOQ for all analytes			

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.0844	2300594	01/18/23	AOAC 2013.06 (mod.)þ	pass	
Cadmium	< LOQ	0.200	mg/kg	0.0844	2300594	01/18/23	AOAC 2013.06 (mod.)þ	pass	
Lead	< LOQ	0.500	mg/kg	0.0844	2300594	01/18/23	AOAC 2013.06 (mod.)þ	pass	
Mercury	< LOQ	0.100	mg/kg	0.0422	2300594	01/18/23	AOAC 2013.06 (mod.)þ	pass	

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 23-000691/D006.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Aflatoxin B2¥	< LOQ		µg/kg	5.00	2300576	01/19/23	AOAC 2007.01 & EN 15662 (mod)Þ		
Aflatoxin B1¥	< LOQ		µg/kg	5.00	2300576	01/19/23	AOAC 2007.01 & EN 15662 (mod)Þ		
Aflatoxin G1¥	< LOQ		µg/kg	5.00	2300576	01/19/23	AOAC 2007.01 & EN 15662 (mod)Þ		
Aflatoxin G2¥	< LOQ		µg/kg	5.00	2300576	01/19/23	AOAC 2007.01 & EN 15662 (mod)Þ		
Ochratoxin A¥	< LOQ	20.0	µg/kg	5.00	2300576	01/19/23	AOAC 2007.01 & EN 15662 (mod)Þ	pass	
Total Aflatoxins¥	0.000	20.0	µg/kg	20.0		01/24/23	AOAC 2007.01 & EN 15662 (mod)Þ	pass	

Columbia LABORATORIES
A Tentamus Company

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

Report Number:	23-000691/D006.R000
Report Date:	01/24/2023
ORELAP#:	OR100028
Purchase Order:	
Received:	01/17/23 14:16

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.

ᵇ = ISO/IEC 17025:2017 accredited method.
¥ = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram
µg/g = Microgram per gram
µg/kg = Micrograms per kilogram = parts per billion (ppb)
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

Columbia LABORATORIES
A Tentamus Company

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

Report Number:	23-000691/D006.R000
Report Date:	01/24/2023
ORELAP#:	OR100028
Purchase Order:	
Received:	01/17/23 14:16

Columbia LABORATORIES
A Tentamus Company

Hemp / Cannabis Usable / Extract / Finished Products
Chain of Custody Record

Revision: 4.00 Control#: CF023 Rev 02/24/2021 Eff: 03/04/2021
ORELAP ID: OR100028

Company: The Hemp Collect
Contact: kyle@thehempcollect.com
Street: 431 NW Flanders st.
City: Portland State: OR Zip: 97209
Email Results: dropbox (IHC)
Ph: (61) 6UD1b4 ☐ Fx Results: (___)
Billing (if different): joel@thehempcollect.com

PO Number:
Project Number:
Project Name:
Custom Reporting:
Report to State - ☐ METRC or ☐ Other:
Turnaround time: ☑ 5 Business Day Standard Turnaround
☐ 3 Business Day Rush Turnaround*
☐ 2 Business Day Rush Turnaround*
*Check for availability
Sampled by:

Lab ID	Client Sample Identification	Date	Time	Analysis Requested: Pesticides – GH 59 compounds	Pesticide Multi-Residue – 179 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Sample Type *	Weight (Units)	Comments/Metrc ID
1	01LIRVAP200_SP					X									C		
2	01LIRVAP200_PB					X									C		
3	0107LIRVAP200_Llama					X									C		
4	0107LIRVAP200_OGK					X									C		
5	01020506LIRVAP200_TG					X									C		
6	01020506LIRVAP200_FV					X									C		
7	01LIR209_GJ				X	X	X			X		X	X		C		
8	01LIR209_SG				X	X	X			X		X	X		C		
9	01LIR209_Llama				X	X	X			X		X	X		C		
10	01LIR209_TG				X	X	X					X			C		

Relinquished By:	Date	Time	Received By:	Date	Time
Kyle Farook	1/17	11:00 A		1.17.23	11:10
	1.17	1338	RBS	01/17/23	1446

Lab Use Only:
☐ Shipped Via: _____ or ☐ Client drop
Evidence of cooling: ☐ Yes | ☐ No - Temp (°C): 20.0
Sample in good condition: ☐ Yes | ☐ No
☐ Cash | ☐ Check | ☐ CC | ☐ Net:
Prelog storage:

1 - Sample Type Codes: Vegetation (V) ; Isolates (S) ; Extract/Concentrate (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B)

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by:" you are agreeing to these terms.

12423 NE Whitaker Way
Portland, OR 97230
P: (503) 254-1794 | Fax: (503) 254-1452
info@columbialaboratories.com
Page _____ of _____
www.columbialaboratories.com

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 23-000691/D006.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2300680**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.104	0.100	%	104	80.0 - 120	Acceptable	
CBDV	2	0.110	0.106	%	104	80.0 - 120	Acceptable	
CBE	2	0.108	0.105	%	103	80.0 - 120	Acceptable	
CBDA	1	0.0968	0.096	%	101	90.0 - 110	Acceptable	
CBGA	1	0.0973	0.096	%	101	80.0 - 120	Acceptable	
CBG	1	0.100	0.099	%	102	80.0 - 120	Acceptable	
CBD	1	0.0969	0.097	%	99.6	90.0 - 110	Acceptable	
THCV	2	0.109	0.106	%	102	80.0 - 120	Acceptable	
d8THCV	2	0.108	0.103	%	105	80.0 - 120	Acceptable	
THCVA	2	0.102	0.099	%	103	80.0 - 120	Acceptable	
CBN	1	0.104	0.102	%	102	80.0 - 120	Acceptable	
exo-THC	2	0.101	0.097	%	104	80.0 - 120	Acceptable	
d9THC	1	0.112	0.105	%	107	90.0 - 110	Acceptable	
d8THC	1	0.0971	0.100	%	96.7	90.0 - 110	Acceptable	
CBL	2	0.108	0.104	%	104	80.0 - 120	Acceptable	
9S-HHC	3	0.0995	0.100	%	99.5	80.0 - 120	Acceptable	
d10THC	1	0.0471	0.047	%	99.8	80.0 - 120	Acceptable	
CBC	2	0.107	0.104	%	103	80.0 - 120	Acceptable	
9R-HHC	3	0.0889	0.100	%	88.9	80.0 - 120	Acceptable	
THCA	1	0.0964	0.095	%	101	90.0 - 110	Acceptable	
CBCA	2	0.106	0.103	%	103	80.0 - 120	Acceptable	
CBLA	2	0.108	0.105	%	104	80.0 - 120	Acceptable	
d8THCO	3	0.104	0.100	%	104	80.0 - 120	Acceptable	
CBT	2	0.109	0.105	%	104	80.0 - 120	Acceptable	
d9THCO	3	0.110	0.100	%	110	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBDV	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBE	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBDA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBGA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBG	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBD	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCV	<LOQ	0.0077	%	< 0.0077	Acceptable	
d8THCV	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCVA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBN	<LOQ	0.0077	%	< 0.0077	Acceptable	
exo-THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
d9THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
d8THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBL	<LOQ	0.0077	%	< 0.0077	Acceptable	
9S-HHC	<LOQ	0.0077	%	< 0.0077	Acceptable	
d10THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBC	<LOQ	0.0077	%	< 0.0077	Acceptable	
9R-HHC	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBCA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBLA	<LOQ	0.0077	%	< 0.0077	Acceptable	
d8THCO	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBT	<LOQ	0.0077	%	< 0.0077	Acceptable	
d9THCO	<LOQ	0.0077	%	< 0.0077	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 23-000691/D006.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

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

Laboratory Quality Control Results

J AOAC 2015 V98-6					Batch ID: 2300680			
Sample Duplicate					Sample ID: 23-000673-0001			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	0.0236	0.0235	0.077	%	0.271	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBN	0.0340	0.0342	0.077	%	0.526	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THC	0.189	0.172	0.077	%	9.34	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
9S-HHC	39.6	38.5	0.077	%	2.70	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
9R-HHC	36.9	35.2	0.077	%	4.96	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THCO	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THCO	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation
R2 - Sample replicates RPD non-calculable, as only one replicate is within analytical range.

Units of Measure:

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 23-000691/D006.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

Revision: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents **Batch ID:** 2300722

Method Blank					Laboratory Control Sample							
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**			**Notes**
Propane	ND	<	200		480	572	µg/g	83.9	60	-	120	
Isobutane	ND	<	200		623	731	µg/g	85.2	60	-	120	
Butane	ND	<	200		592	731	µg/g	81.0	60	-	120	
2,2-Dimethylpropane	ND	<	200		812	936	µg/g	86.8	60	-	120	
Methanol	ND	<	200		1410	1620	µg/g	87.0	60	-	120	
Ethylene Oxide	ND	<	30		49	56.2	µg/g	87.2	60	-	120	
2-Methylbutane	ND	<	200		1330	1610	µg/g	82.6	60	-	120	
Pentane	ND	<	200		1330	1600	µg/g	83.1	60	-	120	
Ethanol	ND	<	200		1400	1610	µg/g	87.0	70	-	130	
Ethyl Ether	ND	<	200		1340	1630	µg/g	82.2	60	-	120	
2,2-Dimethylbutane	ND	<	30		138	171	µg/g	80.7	60	-	120	
Acetone	ND	<	200		1340	1630	µg/g	82.2	60	-	120	
2-Propanol	ND	<	200		1440	1620	µg/g	88.9	60	-	120	
Ethyl Formate	ND	<	500		1380	1670	µg/g	82.6	70	-	130	
Acetonitrile	ND	<	100		409	498	µg/g	82.1	60	-	120	
Methyl Acetate	ND	<	500		1460	1730	µg/g	84.4	70	-	130	
2,3-Dimethylbutane	ND	<	30		135	171	µg/g	78.9	60	-	120	
Dichloromethane	ND	<	60		406	483	µg/g	84.1	60	-	120	
2-Methylpentane	ND	<	30		146	168	µg/g	86.9	60	-	120	
MTBE	ND	<	500		1520	1650	µg/g	92.1	70	-	130	
3-Methylpentane	ND	<	30		125	167	µg/g	74.9	60	-	120	
Hexane	ND	<	30		178	182	µg/g	97.8	60	-	120	
1-Propanol	ND	<	500		1420	1620	µg/g	87.7	70	-	130	
Methylethylketone	ND	<	500		1330	1620	µg/g	82.1	70	-	130	
Ethyl acetate	ND	<	200		1360	1610	µg/g	84.5	60	-	120	
2-Butanol	ND	<	200		1430	1600	µg/g	89.4	60	-	120	
Tetrahydrofuran	ND	<	100		397	483	µg/g	82.2	60	-	120	
Cyclohexane	ND	<	200		1300	1610	µg/g	80.7	60	-	120	
2-methyl-1-propanol	ND	<	500		1360	1620	µg/g	84.0	70	-	130	
Benzene	ND	<	1		4.42	5.02	µg/g	88.0	60	-	120	
Isopropyl Acetate	ND	<	200		1450	1620	µg/g	89.5	60	-	120	
Heptane	ND	<	200		1280	1610	µg/g	79.5	60	-	120	
1-Butanol	ND	<	500		1450	1630	µg/g	89.0	70	-	130	
Propyl Acetate	ND	<	500		1310	1610	µg/g	81.4	70	-	130	
1,4-Dioxane	ND	<	100		390	491	µg/g	79.4	60	-	120	
2-Ethoxyethanol	ND	<	30		296	181	µg/g	163.5	60	-	120	Q1
Methylisobutylketone	ND	<	500		1260	1620	µg/g	77.8	70	-	130	
3-Methyl-1-butanol	ND	<	500		1380	1630	µg/g	84.7	70	-	130	
Ethylene Glycol	ND	<	200		652	484	µg/g	134.7	60	-	120	Q1
Toluene	ND	<	100		373	485	µg/g	76.9	60	-	120	
Isobutyl Acetate	ND	<	500		1320	1630	µg/g	81.0	70	-	130	
1-Pentanol	ND	<	500		1330	1620	µg/g	82.1	70	-	130	
Butyl Acetate	ND	<	500		1280	1620	µg/g	79.0	70	-	130	
Ethylbenzene	ND	<	200		712	969	µg/g	73.5	60	-	120	
m,p-Xylene	ND	<	200		720	994	µg/g	72.4	60	-	120	
o-Xylene	ND	<	200		694	967	µg/g	71.8	60	-	120	
Cumene	ND	<	30		126	171	µg/g	73.7	60	-	120	
Anisole	ND	<	500		1120	1630	µg/g	68.7	70	-	130	Q6
DMSO	ND	<	500		2220	1680	µg/g	132.1	70	-	130	Q1
1,2-dimethoxyethane	ND	<	50		147	169	µg/g	87.0	70	-	130	
Triethylamine	ND	<	500		1340	1630	µg/g	82.2	70	-	130	
N,N-dimethylformamide	ND	<	150		573	482	µg/g	118.9	70	-	130	
N,N-dimethylacetamide	ND	<	150		533	510	µg/g	104.5	70	-	130	
Pyridine	ND	<	50		194	203	µg/g	95.6	70	-	130	
Sulfolane	ND	<	50		198	172	µg/g	115.1	70	-	130	
1,2-Dichloroethane	ND	<	1		0.857	1	µg/g	85.7	70	-	130	
Chloroform	ND	<	1		0.892	1	µg/g	89.2	70	-	130	
Trichloroethylene	ND	<	1		0.93	1	µg/g	93.0	70	-	130	
1,1-Dichloroethane	ND	<	1		0.899	1	µg/g	89.9	70	-	130	

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 23-000691/D006.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

Revision: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

QC - Sample Duplicate **Sample ID: 23-000158-0002**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Sulfolane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,1-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation
Q1 - Quality control result biased high. Only non-detect samples reported.
Q6 - Quality control outside QC limits. Data acceptable based on remaining QC.

Units of Measure:

µg/g- Microgram per gram or ppm

Columbia LABORATORIES
A Tentamus Company

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

Report Number:	23-000691/D006.R000
Report Date:	01/24/2023
ORELAP#:	OR100028
Purchase Order:	
Received:	01/17/23 14:16

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 23-000691/D006.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

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	Quantitaion 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.