Columbia LABORATORIES
A Tentamus Company

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

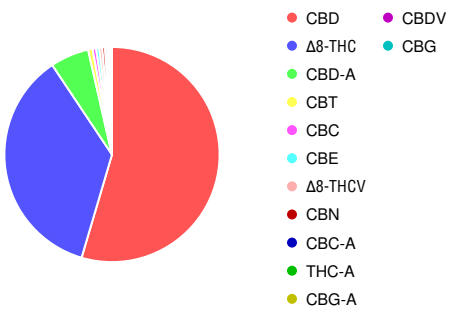
Report Number: 23-000414/D003.R000
Report Date: 01/16/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/10/23 16:50

Customer: IHC LLC
Product identity: Live D8 SGR - OGK
Client/Metrc ID: .
Laboratory ID: 23-000414-0006

Summary

Potency:

Analyte	Result (%)
CBD	45.2
Δ8-THC	29.9
CBD-A	4.80
CBT	0.564
CBC	0.435
CBE	0.390
Δ8-THCV	0.370
CBN	0.340
CBC-A	0.269
THC-A	0.199
CBG-A	0.168
CBDV	0.127
CBG	0.0960



CBD-Total	49.4%
THC-Total	0.175%

(Reported in percent of total sample)

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Report Number: 23-000414/D003.R000
Report Date: 01/16/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/10/23 16:50

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

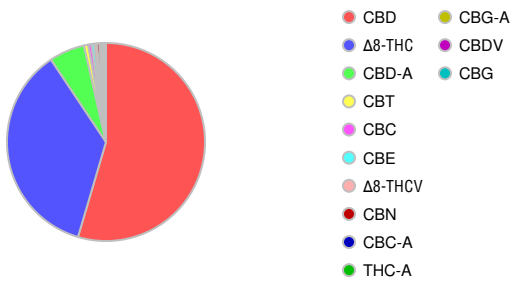
Product identity: Live D8 SGR - OGK
Client/Metrc ID: .
Sample Date:
Laboratory ID: 23-000414-0006
Evidence of Cooling: No
Temp: 20 °C
Relinquished by: Client

THE HEMP COLLECT

Sample Results

Potency **Method:** J AOAC 2015 V98-6 (mod)[b] **Units** % **Batch:** 2300475 **Analyze:** 1/13/23 11:01:00 PM

Analyte	As Received	Dry weight	LOQ	Notes
CBC	0.435		0.0682	
CBC-A	0.269		0.0682	
CBC-Total	0.671		0.128	
CBD	45.2		0.682	
CBD-A	4.80		0.0682	
CBD-Total	49.4		0.742	
CBDV	0.127		0.0682	
CBDV-A	< LOQ		0.0682	
CBDV-Total	< LOQ		0.127	
CBE	0.390		0.0682	
CBG	0.0960		0.0682	
CBG-A	0.168		0.0682	
CBG-Total	0.243		0.127	
CBL	< LOQ		0.0682	
CBL-A	< LOQ		0.0682	
CBL-Total	< LOQ		0.128	
CBN	0.340		0.0682	
CBT	0.564		0.0682	
Δ10-THC-9R	< LOQ		0.0682	
Δ8-THC	29.9		0.682	
Δ8-THCV	0.370		0.0682	
Δ9-THC	< LOQ		0.0682	
exo-THC	< LOQ		0.0682	
THC-A	0.199		0.0682	
THC-Total	0.175		0.128	
THCV	< LOQ		0.0682	
THCV-A	< LOQ		0.0682	
THCV-Total	< LOQ		0.127	
Total Cannabinoids	82.9			



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Report Number:	23-000414/D003.R000
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Received:	01/10/23 16:50

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.

þ = ISO/IEC 17025:2017 accredited method.

Units of Measure

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

Testing in accordance with: OAR 333-007-0430

Columbia LABORATORIES
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Report Number:	23-000414/D003.R000
Report Date:	01/16/2023
ORELAP#:	OR100028
Purchase Order:	
Received:	01/10/23 16:50

Columbia LABORATORIES
A Tentamus Company

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

Revision: 4.00 Control#: CP023 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: (b1) b6b1b4 ☐ 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	Pesticides – OR 59 compounds	Pesticide Multi-Residue – 378 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	Live D8 SGR - FV					X									C		Sample #9: Alternate client name: Mary Jae
2	Live D8 SGR - TG					X									C		
3	Live D8 BDR - OGK					X									C		
4	Live D8 BDR - PP					X									C		
5	Live D8 SGR - OG					X									C		
6	Live D8 SGR - OGK					X									C		
7	Live D8 SGR - PB					X									C		
8	Live D8 SGR - SP					X									C		
9	D8-King Louis					X									C		
10																	

Relinquished By:	Date	Time	Received By:	Date	Time
Beth Griggs	1/10	4:30 PM	DS	1/10/23	16:50

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

1 - Sample Type Codes: Vegetation (V) ; Isolates (I) ; 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

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Report Number:	23-000414/D003.R000
Report Date:	01/16/2023
ORELAP#:	OR100028
Purchase Order:	
Received:	01/10/23 16:50

Testing in accordance with: OAR 333-007-0430

Columbia LABORATORIES
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Portland, OR 97230
503-254-1794

Report Number: 23-000414/D003.R000
Report Date: 01/16/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/10/23 16:50

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.

PharmLabs San Diego Certificate of Analysis

3421 Hancock St, Second Floor, San Diego, CA 92110 | License: C8-0000098-LIC
ISO/IEC 17025:2017 Certification L17-427-1 | Accreditation #85368

Sample **03DTST224_AMBER_D8 Distillate**

Sample ID **SD230329-008 (71349)**		Matrix **Concentrate (Inhalable Cannabis Good)**	
Tested for **The Hemp Collect**			
Sampled **-**	Received **Mar 28, 2023**	Reported **Apr 05, 2023**	
Analyses executed **CAN+, RES, MIBIG, MTO, PES, HME, FVI**			

Laboratory note: The estimated concentration of the unknown peak in the sample is 6.60% | Currently PharmLabs laboratory can not confirm an unidentified peak in your chromatogram due to interference (only with highly concentrated D8 products) from which we believe to be either (+)d8-THC or d9-THC. At this time there are no reference standards available for (+)d8-THC. (+)d8-THC is a different compound from the main (-)d8-THC cannabinoid and, therefore, these two compounds may have different efficacies. Using the most advanced instruments and techniques available, the separation of (+)d8-THC and d9-THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)d8-THC and d9-THC with the majority, if not all, of the concentration being (+)d8-THC. Total (+/-) D8 Concentration is estimated to be: 94.56%

CAN+ - Cannabinoids Analysis

Analyzed **Apr 04, 2023** | Instrument **HPLC-VWD** | Method **SOP-001**
The expanded Uncertainty of the Cannabinoid analysis is approximately **±7.806**% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
Cannabidivarin (CBDV)	0.039	0.16	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND
Cannabigerol Acid (CBGA)	0.001	0.16	ND	ND
Cannabigerol (CBG)	0.001	0.16	ND	ND
Cannabidiol (CBD)	0.001	0.16	ND	ND
Tetrahydrocannabivarin (THCV)	0.001	0.16	ND	ND
Cannabinol (CBN)	0.001	0.16	ND	ND
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	UI	UI
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	94.56	945.60
Cannabicyclol (CBL)	0.002	0.16	ND	ND
Cannabichromene (CBC)	0.002	0.16	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND
Total THC (THCa * 0.877 + Δ9THC)			**ND**	**ND**
Total THC + Δ8THC (THCa * 0.877 + Δ9THC + Δ8THC)			**94.56**	**945.60**
Total CBD (CBDa * 0.877 + CBD)			**ND**	**ND**
Total CBG (CBGa * 0.877 + CBG)			**ND**	**ND**
Total Cannabinoids			**94.56**	**945.60**

HME - Heavy Metals Detection Analysis

Analyzed **Apr 04, 2023** | Instrument **ICP/MSMS** | Method **SOP-005**

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Arsenic (As)	0.0002	0.0005	ND	0.2	Cadmium (Cd)	3.0e-05	0.0005	ND	0.2
Mercury (Hg)	1.0e-05	0.0001	ND	0.1	Lead (Pb)	1.0e-05	0.00125	ND	0.5

MIBIG - Microbial Testing Analysis

Analyzed **Mar 31, 2023** | Instrument **qPCR and/or Plating** | Method **SOP-007**

Analyte	Result CFU/g	Limit	Analyte	Result CFU/g	Limit
Shiga toxin-producing Escherichia Coli	ND	ND per 1 gram	Salmonella spp.	ND	ND per 1 gram
Aspergillus fumigatus	ND	ND per 1 gram	Aspergillus flavus	ND	ND per 1 gram
Aspergillus niger	ND	ND per 1 gram	Aspergillus terreus	ND	ND per 1 gram

MTO - Mycotoxin Testing Analysis

Analyzed **Apr 04, 2023** | Instrument **LC/MSMS** | Method **SOP-004**

Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg	Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg
Ochratoxin A	5.0	20.0	ND	20	Aflatoxin B1	2.5	5.0	ND	-
Aflatoxin B2	2.5	5.0	ND	-	Aflatoxin G1	2.5	5.0	ND	-
Aflatoxin G2	2.5	5.0	ND	-	Total Aflatoxins	10.0	20.0	ND	20

UI Not Identified
ND Not Detected
N/A Not Applicable
NT Not Reported
LOD Limit of Detection
LOQ Limit of Quantification
<LOQ Detected
>ULOL Above upper limit of linearity
CFU/g Colony Forming Units per 1 gram
TNTC Too Numerous to Count

Acc. #85368

Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr, Lab Manager
Wed, 05 Apr 2023 10:13:00 -0700

PES - Pesticides Screening Analysis

Analyzed **Apr 04, 2023** | Instrument **LC/MSMS GC/MSMS** | Method **SOP-003**

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Aldicarb	0.0078	0.02	ND	0.0078	Carbofuran	0.01	0.02	ND	0.01
Dimethoate	0.01	0.02	ND	0.01	Etofenprox	0.02	0.1	ND	0.02
Fenoxycarb	0.01	0.02	ND	0.01	Thiachloprid	0.01	0.02	ND	0.01
Daminozide	0.01	0.03	ND	0.01	Dichlorvos	0.02	0.07	ND	0.02
Imazalil	0.02	0.07	ND	0.02	Methiocarb	0.01	0.02	ND	0.01
Spiroxamine	0.01	0.02	ND	0.01	Coumaphos	0.01	0.02	ND	0.01
Fipronil	0.01	0.1	ND	0.01	Paclobutrazol	0.01	0.03	ND	0.01
Chlorpyrifos	0.01	0.04	ND	0.01	Ethoprophos (Prophos)	0.01	0.02	ND	0.01
Baygon (Propoxur)	0.01	0.02	ND	0.01	Chlordane	0.04	0.1	ND	0.04
Chlorfenapyr	0.03	0.1	ND	0.03	Methyl Parathion	0.02	0.1	ND	0.02
Mevinphos	0.03	0.08	ND	0.03	Abamectin	0.03	0.08	ND	0.1
Acephate	0.02	0.05	ND	0.1	Acetamiprid	0.01	0.05	ND	0.1
Azoxystrobin	0.01	0.02	ND	0.1	Bifenazate	0.01	0.05	ND	0.1
Bifenthrin	0.02	0.35	ND	3	Boscalid	0.01	0.03	ND	0.1
Carbaryl	0.01	0.02	ND	0.5	Chlorantraniliprole	0.01	0.04	ND	10
Clofentezine	0.01	0.03	ND	0.1	Diazinon	0.01	0.02	ND	0.1
Dimethomorph	0.02	0.06	ND	2	Etoxazole	0.01	0.05	ND	0.1
Fenpyroximate	0.02	0.1	ND	0.1	Flonicamid	0.01	0.02	ND	0.1
Fludioxonil	0.01	0.05	ND	0.1	Hexythiazox	0.01	0.03	ND	0.1
Imidacloprid	0.01	0.05	ND	5	Kresoxim-methyl	0.01	0.03	ND	0.1
Malathion	0.01	0.05	ND	0.5	Metalaxyl	0.01	0.02	ND	2
Methomyl	0.02	0.05	ND	1	Myclobutanil	0.02	0.07	ND	0.1
Naled	0.01	0.02	ND	0.1	Oxamyl	0.01	0.02	ND	0.5
Permethrin	0.01	0.02	ND	0.5	Phosmet	0.01	0.02	ND	0.1
Piperonyl Butoxide	0.02	0.06	ND	3	Propiconazole	0.03	0.08	ND	0.1
Prallethrin	0.02	0.05	ND	0.1	Pyrethrin	0.05	0.41	ND	0.5
Pyridaben	0.02	0.07	ND	0.1	Spinosad A	0.01	0.05	ND	0.1
Spinosad D	0.01	0.05	ND	0.1	Spiromesifen	0.02	0.06	ND	0.1
Spirotetramat	0.01	0.02	ND	0.1	Tebuconazole	0.01	0.02	ND	0.1
Thiamethoxam	0.01	0.02	ND	5	Trifloxystrobin	0.01	0.02	ND	0.1
Acequinocyl	0.02	0.09	ND	0.1	Captan	0.01	0.02	ND	0.7
Cypermethrin	0.02	0.1	ND	1	Cyfluthrin	0.04	0.1	ND	2
Fenhexamid	0.02	0.07	ND	0.1	Spinetoram J,L	0.02	0.07	ND	0.1
Pentachloronitrobenzene	0.01	0.1	ND	0.1					

RES - Residual Solvents Testing Analysis

Analyzed **Apr 04, 2023** | Instrument **GC/FID with Headspace Analyzer** | Method **SOP-006**

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Propane (Prop)	0.4	40.0	ND	5000.0	Butane (But)	0.4	40.0	ND	5000.0
Methanol (Metha)	0.4	40.0	ND	3000.0	Ethylene Oxide (EthOx)	0.4	0.8	ND	1.0
Pentane (Pen)	0.4	40.0	ND	5000.0	Ethanol (Ethan)	0.4	40.0	ND	5000.0
Ethyl Ether (EthEt)	0.4	40.0	ND	5000.0	Acetone (Acet)	0.4	40.0	ND	5000.0
Isopropanol (2-Pro)	0.4	40.0	ND	5000.0	Acetonitrile (Acetonit)	0.4	40.0	ND	410.0
Methylene Chloride (MetCh)	0.4	0.8	1.0	1.0	Hexane (Hex)	0.4	40.0	ND	290.0
Ethyl Acetate (EthAc)	0.4	40.0	ND	5000.0	Chloroform (Clo)	0.4	0.8	ND	1.0
Benzene (Ben)	0.4	0.8	ND	1.0	1-2-Dichloroethane (12-Dich)	0.4	0.8	ND	1.0
Heptane (Hep)	0.4	40.0	ND	5000.0	Trichloroethylene (TriClEth)	0.4	0.8	ND	1.0
Toluene (Toluene)	0.4	40.0	ND	890.0	Xylenes (Xyl)	0.4	40.0	ND	2170.0

FVI - Filth & Foreign Material Inspection Analysis

Analyzed **Mar 30, 2023** | Instrument **Microscope** | Method **SOP-010**

Analyte / Limit	Result	Analyte / Limit	Result
> 1/4 of the total sample area covered by sand, soil, cinders, or dirt	ND	> 1/4 of the total sample area covered by mold	ND
> 1 insect fragment, 1 hair, or 1 count mammalian excreta per 3g	ND	> 1/4 of the total sample area covered by an imbedded foreign material	ND

UI Not Identified
ND Not Detected
N/A Not Applicable
NT Not Reported
LOD Limit of Detection
LOQ Limit of Quantification
<LOQ Detected
>ULOL Above upper limit of linearity
CFU/g Colony Forming Units per 1 gram
TNTC Too Numerous to Count

Acc. #85368

Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr, Lab Manager
Wed, 05 Apr 2023 10:13:00 -0700

Columbia LABORATORIES
A Tentamus Company

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

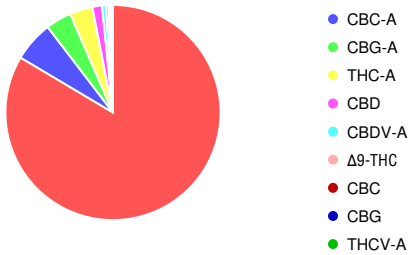
Report Number: 23-000690/D022.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

Customer: IHC LLC
Product identity: 01LIR209_OGK
Client/Metrc ID: .
Laboratory ID: 23-000690-0011

Summary

Potency:

Analyte	Result (%)
CBD-A	60.4
CBC-A	4.40
CBG-A	2.79
THC-A	2.48
CBD	1.05
CBDV-A	0.426
Δ9-THC	0.293
CBC	0.190
CBG	0.188
THCV-A	0.0819



CBD-Total 54.0%

THC-Total 2.47%

(Reported in percent of total sample)

Residual Solvents:

Analyte	Result (µg/g)	Limits (µg/g)	Status
Butanes (sum)	499	5000	pass
n-Butane	499		

Pesticides:

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

Metals:

Less than LOQ for all analytes.

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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_OGK
Client/Metrc ID: .
Sample Date:
Laboratory ID: 23-000690-0011
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:** 2300599 **Analyze:** 1/19/23 8:00:00 AM

Analyte	As Received	Dry weight	LOQ	Notes
CBC	0.190		0.0686	
CBC-A	4.40		0.0686	
CBC-Total	4.05		0.129	
CBD	1.05		0.0686	
CBD-A	60.4		0.686	
CBD-Total	54.0		0.671	
CBDV	< LOQ		0.0686	
CBDV-A	0.426		0.0686	
CBDV-Total	0.369		0.128	
CBE	< LOQ		0.0686	
CBG	0.188		0.0686	
CBG-A	2.79		0.0686	
CBG-Total	2.64		0.128	
CBL	< LOQ		0.0686	
CBL-A	< LOQ		0.0686	
CBL-Total	< LOQ		0.129	
CBN	< LOQ		0.0686	
CBT	< LOQ		0.0686	
Δ10-THC-9R	< LOQ		0.0686	
Δ8-THC	< LOQ		0.0686	
Δ8-THCV	< LOQ		0.0686	
Δ9-THC	0.293		0.0686	
exo-THC	< LOQ		0.0686	
THC-A	2.48		0.0686	
THC-Total	2.47		0.129	
THCV	< LOQ		0.0686	
THCV-A	0.0819		0.0686	
THCV-Total	< LOQ		0.128	
Total Cannabinoids	72.3			

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A Tentamus Company

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Portland, OR 97230
503-254-1794

Report Number: 23-000690/D022.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

Solvents

Method: Residual Solvents by GC/MS[þ] **Units** µg/g **Batch** 2300691 **Analyze** 01/23/23 03:03 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)	499	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	499		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** 2300687 **Analyze** 01/23/23 01:15 PM

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	0.0842	2300594	01/18/23	AOAC 2013.06 (mod.)[þ]	pass	
Cadmium	< LOQ	0.200	mg/kg	0.0842	2300594	01/18/23	AOAC 2013.06 (mod.)[þ]	pass	
Lead	< LOQ	0.500	mg/kg	0.0842	2300594	01/18/23	AOAC 2013.06 (mod.)[þ]	pass	
Mercury	< LOQ	0.100	mg/kg	0.0421	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:	23-000690/D022.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.

þ = ISO/IEC 17025:2017 accredited method.

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

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 23-000690/D022.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

Columbia LABORATORIES

P2320 Multi-Residue Pesticide Profile
Cannabis

Analyte	LOQ (mg/kg)
2,4-D	0.1
Abamectin	0.1
Acephate	0.2
Acequinocyl	0.2
Acetamiprid	0.1
Acetochlor	0.2
Acrinathrin	0.1
Alachlor	0.1
Aldicarb	0.1
Aldoxycarb	0.1
Aldrin	0.1
Ametoctradin	0.1
Ametryn	0.1
Anilazine	0.1
Aspon	0.1
Asulam	0.1
Atrazine	0.1
Atrazine-desethyl	0.1
Azinphos-ethyl	0.1
Azinphos-methyl	0.1
Azoxystrobin	0.1
Benalaxyl	0.1
Bendiocarb	0.1
Benoxacor	0.1
Bensulide	0.1
Bentazon	0.1
Bifenazate	0.1
Bifenox	0.1
Bifenthrin	0.1
Binapacryl	0.1
Boscalid	0.1
Bromacil	0.1
Bromophos-ethyl	0.1
Bromopropylate	0.1
Bromoxynil	0.1
Bupirimate	0.1
Buprofezin	0.1
Butachlor	0.1
Butylate	0.1
Cadusafos	0.1
Captan	0.2
Carbaryl	0.1
Carbendazim	0.1
Carbofuran	0.1
Carbofuran 3-hydroxy	0.1
Carbophenothion	0.1
Carbophenothion-methyl	0.1
Carboxin	0.1

Analyte	LOQ (mg/kg)
Chlorantraniliprol	0.1
Chlordane, cis-	0.1
Chlordane, trans-	0.1
Chlorfenapyr	0.1
Chlorfenvinphos	0.1
Chlorobenzilate	0.1
Chlorpyrifos-ethyl	0.1
Chlorpyrifos-methyl	0.1
Chlorthal-dimethyl (Dacthal)	0.1
Clethodim	0.1
Clethodim sulfone	0.1
Clethodim sulfoxide	0.1
Clofentezine	0.1
Clomazone	0.1
Clopyralid	0.1
Clothianidin	0.1
Coumaphos	0.1
Crotoxyphos	0.1
Cyanofenphos	0.1
Cyanophos	0.1
Cyantraniliprole	0.1
Cyazofamid	0.1
Cyfluthrin	0.1
Cyhalothrin, lambda	0.1
Cymoxanil	0.1
Cypermethrin	0.1
Cyprodinil	0.1
DDD, o,p'-	0.1
DDD, p,p'-	0.1
DDE, o,p'-	0.1
DDE, p,p'-	0.1
DDT, o,p'-	0.1
DDT, p,p'-	0.1
DEET	0.1
Deltamethrin	0.1
Demeton-S	0.1
Demeton-s-methyl	0.1
Demeton-S-methyl-sulfone	0.1
Desmedipham	0.1
Diazinon	0.1
Dicamba	0.1
Dichlofenthion	0.1
Dichlofluanid	0.1
Dichlorbenzamid	0.1
Dichlorvos	0.1
Diclofop	0.1
Diclofop-methyl	0.1
Dicrotophos	0.1

Analyte	LOQ (mg/kg)
Dieldrin	0.1
Diethofencarb	0.1
Difenoconazol	0.1
Diflubenzuron	0.1
Diflufenzopyr	0.1
Dimethenamid	0.1
Dimethoat	0.1
Dimethomorph	0.1
Dinoseb	0.1
Dinotefuran	0.1
Dioxathion	0.1
Diphenamid	0.1
Diphenylamine (DPA)	0.1
Disulfoton	0.1
Disulfoton-sulfone	0.1
Disulfoton-Sulfoxide	0.1
Diuron	0.1
DNOC	0.1
Edifenphos	0.1
Endosulfan (alpha isomer)	0.1
Endosulfan (beta isomer)	0.1
Endosulfan-sulfate	0.1
Endrin	0.1
EPN	0.1
EPTC	0.1
Esfenvalerate/Fenvalerate	0.1
Ethiofencarb	0.1
Ethion	0.1
Ethofumesate	0.1
Ethoprophos	0.1
Etofenprox	0.1
Etoxazole	0.1
Etrimfos	0.1
Famoxadone	0.1
Famphur	0.1
Fenamiphos	0.1
Fenamiphos-Sulfone	0.1
Fenamiphos-Sulfoxide	0.1
Fenazaquin	0.1
Fenbuconazole	0.1
Fenhexamid	0.1
Fenobucarb	0.1
Fenoxycarb	0.1
Fenpropathrin	0.1
Fensulfothion	0.1
Fenthion	0.1
Fenuron	0.1
Fipronil	0.1

LOQ= Limit of Quantitation
mg/kg= milligram per kilogram (ppm)

Updated: 09.12.2022

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 23-000690/D022.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

Columbia LABORATORIES

P2320 Multi-Residue Pesticide Profile
Cannabis

Analyte	LOQ (mg/kg)
Flonicamid	0.1
Fluazifop	0.1
Fluazinam	0.1
Flucythrinate	0.1
Fludioxonil	0.1
Flufenacet	0.1
Flumioxazin	0.1
Fluopicolide	0.1
Fluopyram	0.1
Fluoxastrobin	0.1
Flupyradifurone	0.1
Fluridone	0.1
Fluroxypyr	0.1
Fluthiacet-methyl	0.1
Flutolanil	0.1
Flutriafol	0.1
Fluvalinate	0.1
Fluxapyroxad	0.1
Fomesafen	0.1
Formetanate	0.1
Furathiocarb	0.1
Haloxyfop	0.1
Heptachlor	0.1
Heptachlor epoxide	0.1
Hexaconazole	0.1
Hexazinone	0.1
Hexythiazox	0.1
Hydropene	0.1
Imazalil	0.1
Imazethapyr	0.1
Imidacloprid	0.1
Indaziflam	0.1
Indoxacarb	0.1
Iprobenfos	0.1
Iprodion	0.1
Isobenzan	0.1
Isofenphos	0.1
Isofenphos-methyl	0.1
Isofenphos-oxon	0.1
Isoprocarb	0.1
Isoprothiolane	0.1
Isoproturon	0.1
Isoxaben	0.1
Kresoxim-methyl	0.1
Lindane	0.1
Linuron	0.1
Malaoxon	0.1
Malathion	0.1

Analyte	LOQ (mg/kg)
Mandipropamid	0.1
MCPA	0.1
MCPB	0.1
MCPP	0.1
Mecabarm	0.1
Mepanipyrim	0.1
Mesotrione	0.1
Metalaxyl	0.1
Methamidophos	0.1
Methiocarb	0.1
Methiocarb sulfone	0.1
Methiocarb sulfoxide	0.1
Methomyl	0.1
Methoxyfenozide	0.1
Metolachlor	0.1
Metolcarb	0.1
Metrafenone	0.1
Mevinphos	0.1
MGK 264	0.1
Molinat	0.1
Monocrotophos	0.1
Monolinuron	0.1
Myclobutanil	0.1
Naled	0.1
Napropamide	0.1
Neburon	0.1
Norflurazon	0.1
Novaluron	0.1
Omethoat	0.1
Oryzalin	0.1
Oxadiazon	0.1
Oxadixyl	0.1
Oxamyl	0.1
Oxamyl-oxime	0.1
Oxychlordane	0.1
Oxydemeton-Methyl	0.1
Oxyfluorfen	0.1
Paclobutrazol	0.1
Paraoxon-ethyl	0.1
Paraoxon-methyl	0.1
Parathion-methyl	0.1
Penconazole	0.1
Pendimethalin	0.1
Penflufen	0.1
Penthiopyrad	0.1
Permethrin	0.1
Perthane	0.1
Phenmedipham	0.1

Analyte	LOQ (mg/kg)
Phenothrin	0.1
Phenthoate	0.1
Phorate	0.1
Phorate-Sulfone	0.1
Phorate-Sulfoxide	0.1
Phosalone	0.1
Phosmet	0.1
Phosphamidon	0.1
Phoxim	0.1
Pinoxaden	0.1
Piperonyl Butoxide	0.1
Pirimicarb	0.1
Pirimiphos-ethyl	0.1
Pirimiphos-methyl	0.1
Prallethrin	0.1
Prochloraz	0.1
Procymidone	0.1
Profenofos	0.1
Promecarb	0.1
Prometon	0.1
Prometryn	0.1
Propachlor	0.1
Propamocarb	0.1
Propanil	0.1
Propazine	0.1
Propetamophos	0.1
Propham	0.1
Propiconazole	0.1
Propoxur	0.1
Propyzamide	0.1
Prothiofos	0.1
Pyraclostrobin	0.1
Pyraflufen Ethyl	0.1
Pyrazophos	0.1
Pyrethrin	0.1
Pyridaben	0.1
Pyrimethanil	0.1
Pyriproxifen	0.1
Pyroxasulfone	0.1
Pyroxsulam	0.1
Quinalphos	0.1
Quinclorac	0.1
Quinoxyfen	0.1
Quintozene(PCNB)	0.2
Quizalofop	0.1
Resmethrin	0.1
Rotenone	0.1
Saflufenacil	0.1

LOQ= Limit of Quantitation
mg/kg= milligram per kilogram (ppm)

Updated: 09.12.2022

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

Report Number: 23-000690/D022.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

P2320 Multi-Residue Pesticide Profile
Cannabis

Analyte	LOQ (mg/kg)
Sebuthylazin	0.1
Sethoxydim	0.1
Simazine	0.1
Simetryn	0.1
Spinetoram J/L	0.1
Spinosyn A/D	0.1
Spirodiclofen	0.1
Spiromesifen	0.1
Spirotetramat	0.1
Spiroxamine	0.1
Sulfentrazone	0.1
Sulfotep	0.1
Sulfoxaflor	0.1
Sulprofos	0.1
Tebuconazole	0.1
Tebufenozide	0.1
Terbufos	0.1
Terbuthylazine	0.1
Terbutryn	0.1
Tetrachlorvinphos	0.1
Tetraconazole	0.1
Tetramethrin	0.1
Thiabendazol	0.1
Thiabendazol-5-hydroxy	0.1
Thiacloprid	0.1
Thiamethoxam	0.1
Thiobencarb	0.1
Thiodicarb	0.1
Thiometon	0.1
Thiophanate-methyl	0.2
Tolfenpyrad	0.1
Tolylfluanid	0.1
Triadimefon	0.1
Triadimenol	0.1
Triazophos	0.1
Trifloxystrobin	0.1
Triflumizole	0.1
Triticonazole	0.1
Zoxamid	0.1

LOQ= Limit of Quantitation
mg/kg= milligram per kilogram (ppm)

Updated: 09.12.2022

Columbia LABORATORIES
A Tentamus Company

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

Report Number:	23-000690/D022.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 Controlled: 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) 6061b4 ☐ 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:

Analysis Requested

Lab ID	Client Sample Identification	Date	Time	Pesticides – OR50 compounds	Pesticide Multi-Residue – 375 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	01LIR209_LB				X	X	X					X			C		
2	01LIR209_KC				X	X	X					X			C		
3	01LIR209_FV				X	X	X					X			C		
4	01LIR209_WW				X	X	X					X			C		
5	01LIR209_SB				X	X	X					X			C		
6	01LIR209_BO				X	X	X					X			C		
7	01LIR209_LT				X	X	X					X			C		
8	01LIR209_RC				X	X	X					X			C		
9	01LIR209_PJ				X	X	X					X			C		
10	01LIR209_CJ				X	X	X					X			C		

Relinquished By:	Date	Time	Received By:	Date	Time
Kyle Farook	1/17	11:00 A		1.17.23	1110
	1.17	1337		1/17/23	1916

Lab Use Only:
☐ Shipped Via: _____ or ☐ Client drop
Evidence of cooling: ☐ Yes | ☐ No - Temp (°C): 2.+3
Sample in good condition: ☐ Yes | ☐ No
☐ Cash | ☐ Check | ☐ CC | ☐ Net:
Prelog storage:

† - 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 and date assignments 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:	23-000690/D022.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 Controlled: CF025 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: (b1) bU81b4 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 – OR 59 compounds	Mycotoxins – OR 59 compounds	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	01LIR209_OGK				X	X	X						X			C		
2	01LIR209_Shaolin				X	X	X						X			C		
3	01LIR209_Japhy				X	X	X						X			C		
4	01LIR209_PP				X	X	X						X			C		
5	01LIR209_MT				X	X	X						X			C		
6	01LIR209_PK				X	X	X						X			C		
7	01LIR209_SP				X	X	X						X			C		
8	01LIR209_Sour G				X	X	X						X			C		
9	01LIR209_FG				X	X	X						X			C		
10	01LIR209_RGSP				X	X	X						X			C		

Relinquished by:	Date:	Time:	Received By:	Date:	Time:
Kyle Farcok	1/17	11:00 A		1-17-23	11:0
	1.17	1335		01/17/23	1416

Lab Use Only:
☐ Shipped Via: _____ or ☐ Client drop
Evidence of cooling: ☐ Yes | ☐ No - Temp (°C): 20.2
Sample in good condition: ☐ Yes| ☐ No
☐ Cash | ☐ Check | ☐ CC | ☐ Net:
Prolog storage:

† - 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:	23-000690/D022.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 Controlled: CF025 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: (b1) b0b1b4 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	Pesticides – OR 50 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 *	Weight (Units)	Comments/Metrc ID
1	01LIR209_TK				X	X	X					X			C		
2	01LIR209_STs				X	X	X					X			C		
3	01LIR209_CS				X	X	X					X			C		
4	01LIR209_PB				X	X	X					X			C		
5																	
6																	
7																	
8																	
9																	
10																	

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Kyle Farook	1/17	11:00 A		1/17/23	1116
	1/17	1336		01/17/23	1416

Lab Use Only:
☐ Shipped Via: _____ or ☐ Client drop
Evidence of cooling: ☐ Yes | ☐ No - Temp (°C): 2.1
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.

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Page ____ of ____
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Columbia LABORATORIES
A Tentamus Company

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

Report Number: 23-000690/D022.R000
Report Date: 01/24/2023
ORELAP#: OR100028
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Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2300599**

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	0.0963	0.096	%	100	90.0 - 110	Acceptable	
CBGA	1	0.0966	0.096	%	100	80.0 - 120	Acceptable	
CBG	1	0.100	0.099	%	102	80.0 - 120	Acceptable	
CBD	1	0.0970	0.097	%	99.7	90.0 - 110	Acceptable	
THCV	2	0.108	0.106	%	102	80.0 - 120	Acceptable	
d8THCV	2	0.109	0.103	%	106	80.0 - 120	Acceptable	
THCVA	2	0.103	0.099	%	104	80.0 - 120	Acceptable	
CBN	1	0.103	0.102	%	101	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	0.0963	0.100	%	95.8	90.0 - 110	Acceptable	
CBL	2	0.109	0.104	%	105	80.0 - 120	Acceptable	
d10THC	1	0.0474	0.047	%	100	80.0 - 120	Acceptable	
CBC	2	0.107	0.104	%	103	80.0 - 120	Acceptable	
THCA	1	0.0946	0.095	%	99.6	90.0 - 110	Acceptable	
CBCA	2	0.105	0.103	%	102	80.0 - 120	Acceptable	
CBLA	2	0.109	0.105	%	104	80.0 - 120	Acceptable	
CBT	2	0.110	0.105	%	104	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.077	%	< 0.077	Acceptable	
CBDV	<LOQ	0.077	%	< 0.077	Acceptable	
CBE	<LOQ	0.077	%	< 0.077	Acceptable	
CBDA	<LOQ	0.077	%	< 0.077	Acceptable	
CBGA	<LOQ	0.077	%	< 0.077	Acceptable	
CBG	<LOQ	0.077	%	< 0.077	Acceptable	
CBD	<LOQ	0.077	%	< 0.077	Acceptable	
THCV	<LOQ	0.077	%	< 0.077	Acceptable	
d8THCV	<LOQ	0.077	%	< 0.077	Acceptable	
THCVA	<LOQ	0.077	%	< 0.077	Acceptable	
CBN	<LOQ	0.077	%	< 0.077	Acceptable	
exo-THC	<LOQ	0.077	%	< 0.077	Acceptable	
d9THC	<LOQ	0.077	%	< 0.077	Acceptable	
d8THC	<LOQ	0.077	%	< 0.077	Acceptable	
CBL	<LOQ	0.077	%	< 0.077	Acceptable	
d10THC	<LOQ	0.077	%	< 0.077	Acceptable	
CBC	<LOQ	0.077	%	< 0.077	Acceptable	
THCA	<LOQ	0.077	%	< 0.077	Acceptable	
CBCA	<LOQ	0.077	%	< 0.077	Acceptable	
CBLA	<LOQ	0.077	%	< 0.077	Acceptable	
CBT	<LOQ	0.077	%	< 0.077	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

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Laboratory Quality Control Results

J AOAC 2015 V98-6					Batch ID: 2300599			
Sample Duplicate					Sample ID: 23-000690-0001			
Analyte	**Result**	**Org. Result**	**LOQ**	**Units**	**RPD**	**Limits**	**Evaluation**	**Notes**
CBDVA	0.234	0.234	0.077	%	0.0872	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDA	54.6	54.7	0.077	%	0.322	< 20	Acceptable	
CBGA	1.61	1.61	0.077	%	0.0614	< 20	Acceptable	
CBG	0.100	0.102	0.077	%	1.57	< 20	Acceptable	
CBD	0.888	0.922	0.077	%	3.66	< 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	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THC	0.263	0.260	0.077	%	1.28	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCA	3.97	3.97	0.077	%	0.128	< 20	Acceptable	
CBCA	2.66	2.63	0.077	%	1.28	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	

Abbreviations

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

Units of Measure:

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Laboratory Quality Control Results

Residual Solvents **Batch ID:** 2300691

Method Blank					Laboratory Control Sample							
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**			**Notes**
Propane	ND	<	200		547	572	µg/g	95.6	60	-	120	
Isobutane	ND	<	200		701	731	µg/g	95.9	60	-	120	
Butane	ND	<	200		678	731	µg/g	92.7	60	-	120	
2,2-Dimethylpropane	ND	<	200		893	936	µg/g	95.4	60	-	120	
Methanol	ND	<	200		1580	1620	µg/g	97.5	60	-	120	
Ethylene Oxide	ND	<	30		55	56.2	µg/g	97.9	60	-	120	
2-Methylbutane	ND	<	200		1520	1610	µg/g	94.4	60	-	120	
Pentane	ND	<	200		1520	1600	µg/g	95.0	60	-	120	
Ethanol	ND	<	200		1610	1610	µg/g	100.0	70	-	130	
Ethyl Ether	ND	<	200		1560	1630	µg/g	95.7	60	-	120	
2,2-Dimethylbutane	ND	<	30		164	171	µg/g	95.9	60	-	120	
Acetone	ND	<	200		1560	1630	µg/g	95.7	60	-	120	
2-Propanol	ND	<	200		1670	1620	µg/g	103.1	60	-	120	
Acetonitrile	ND	<	100		475	498	µg/g	95.4	60	-	120	
2,3-Dimethylbutane	ND	<	30		160	171	µg/g	93.6	60	-	120	
Dichloromethane	ND	<	60		476	483	µg/g	98.6	60	-	120	
2-Methylpentane	ND	<	30		161	168	µg/g	95.8	60	-	120	
3-Methylpentane	ND	<	30		146	167	µg/g	87.4	60	-	120	
Hexane	ND	<	30		208	182	µg/g	114.3	60	-	120	
Ethyl acetate	ND	<	200		1570	1610	µg/g	97.5	60	-	120	
2-Butanol	ND	<	200		1660	1600	µg/g	103.8	60	-	120	
Tetrahydrofuran	ND	<	100		474	483	µg/g	98.1	60	-	120	
Cyclohexane	ND	<	200		1540	1610	µg/g	95.7	60	-	120	
Benzene	ND	<	1		5.3	5.02	µg/g	105.6	60	-	120	
Isopropyl Acetate	ND	<	200		1670	1620	µg/g	103.1	60	-	120	
Heptane	ND	<	200		1500	1610	µg/g	93.2	60	-	120	
1,4-Dioxane	ND	<	100		475	491	µg/g	96.7	60	-	120	
2-Ethoxyethanol	ND	<	30		316	181	µg/g	174.6	60	-	120	Q1
Ethylene Glycol	ND	<	200		698	484	µg/g	144.2	60	-	120	Q1
Toluene	ND	<	100		465	485	µg/g	95.9	60	-	120	
Ethylbenzene	ND	<	200		911	969	µg/g	94.0	60	-	120	
m,p-Xylene	ND	<	200		915	994	µg/g	92.1	60	-	120	
o-Xylene	ND	<	200		901	967	µg/g	93.2	60	-	120	
Cumene	ND	<	30		161	171	µg/g	94.2	60	-	120	

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QC - Sample Duplicate **Sample ID: 23-000690-0005**

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	1250	1160	200	µg/g	7.5	< 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	100	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
Q1 - Quality control result biased high. Only non-detect samples reported.

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	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.