

PharmLabs San Diego Certificate of Analysis

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 ISO/IEC 17025:2017 Certification L17-427-1 | Accreditation #85368



Sample **01SDT224\_CRD\_CRYSTAL RES. CBD**

Sample ID SD230412-042 (72070)	Matrix Concentrate (Inhalable Cannabis Good)
Tested for The Hemp Collect	
Sampled -	Received Apr 12, 2023
Analyses executed CAN+, RES, MIBIG, MTO, PES, HME, FVI	Reported Apr 24, 2023

CAN+ - Cannabinoids Analysis

Analyzed Apr 24, 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
Cannabidiol (CBD)	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	0.77	7.73
Cannabidiol (CBD)	0.001	0.16	49.16	491.56
Tetrahydrocannabinol (THCV)	0.001	0.16	ND	ND
Cannabinol (CBN)	0.001	0.16	2.29	22.93
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	ND	ND
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	ND	ND
Cannabicyclol (CBL)	0.002	0.16	0.76	7.64
Cannabichromene (CBC)	0.002	0.16	5.71	57.09
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND
Total THC (THCa + Δ9THC)			ND	ND
Total THC + Δ8THC (THCa + Δ9THC + Δ8THC)			ND	ND
Total CBD (CBDA + CBD)			49.16	491.56
Total CBG (CBGA + CBG)			0.77	7.73
Total Cannabinoids			58.70	586.95

HME - Heavy Metals Detection Analysis

Analyzed Apr 14, 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 Apr 17, 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 14, 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



Scan the QR code to verify authenticity.

Authorized Signature

*Brandon Starr*

Brandon Starr, Lab Manager  
 Mon, 24 Apr 2023 14:10:27 -0700

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PES - Pesticides Screening Analysis

Analyzed Apr 14, 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
Imazail	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	Paclbutrazol	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	0.05	0.08	ND	0.03	Abamectin	0.03	0.08	ND	0.1
Acephate	0.02	0.05	ND	0.1	Acetamidrid	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	Fonicamid	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 20, 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	40.0	Butane (But)	0.4	40.0	ND	40.0
Methanol (Metha)	0.4	40.0	ND	40.0	Ethylene Oxide (EthOx)	0.4	0.8	ND	0.8
Pentane (Pen)	0.4	40.0	ND	40.0	Ethanol (Ethan)	0.4	40.0	ND	40.0
Ethyl Ether (EthEt)	0.4	40.0	ND	40.0	Acetone (Acet)	0.4	40.0	<LOQ	40.0
Isopropanol (2-Pro)	0.4	40.0	ND	40.0	Acetonitrile (Acetonit)	0.4	40.0	ND	40.0
Methylene Chloride (MetCh)	0.4	0.8	ND	0.8	Hexane (Hex)	0.4	40.0	ND	40.0
Ethyl Acetate (EthAc)	0.4	40.0	ND	40.0	Chloroform (Clo)	0.4	0.8	ND	0.8
Benzene (Ben)	0.4	0.8	ND	0.8	1,2-Dichloroethane (12-Dich)	0.4	0.8	ND	0.8
Heptane (Hep)	0.4	40.0	ND	40.0	Trichloroethylene (TriClIEth)	0.4	0.8	ND	0.8
Toluene (Toluene)	0.4	40.0	ND	40.0	Xylenes (Xyl)	0.4	40.0	ND	40.0

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Apr 13, 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



Scan the QR code to verify authenticity.

Authorized Signature

*Brandon Starr*

Brandon Starr, Lab Manager  
 Mon, 24 Apr 2023 14:10:27 -0700

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



**Report Number:** 22-006171/D005.R000  
**Report Date:** 06/06/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/26/22 15:42

**Customer:** IHC LLC  
**Product identity:** Live CBD Sugar -STs  
**Client/Metric ID:** .  
**Laboratory ID:** 22-006171-0007

### Summary

**Potency:**

Analyte	Result (%)		
CBD	88.9		CBD-Total 90.2%
CBD-A	1.51		THC-Total <LOQ
CBT†	1.02		(Reported in percent of total sample)
CBE†	0.729		
CBC	0.700		
CBN	0.502		
CBDV†	0.497		
CBG†	0.334		



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

**Product identity:** Live CBD Sugar -STs

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 22-006171-0007

**Evidence of Cooling:** No

**Temp:** 27.4 °C

**Relinquished by:** Client



### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2204621	Analyze: 5/31/22 11:05:00 PM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	0.700		0.0750			
CBC-A†	< LOQ		0.0750			
CBC-Total†	0.700		0.141			
CBD	88.9		0.750			
CBD-A	1.51		0.0750			
CBD-Total	90.2		0.816			
CBDV†	0.497		0.0750			
CBDV-A†	< LOQ		0.0750			
CBDV-Total†	0.497		0.140			
CBE†	0.729		0.0750			
CBG†	0.334		0.0750			
CBG-A†	< LOQ		0.0750			
CBG-Total	0.334		0.140			
CBL†	< LOQ		0.0750			
CBL-A†	< LOQ		0.0750			
CBL-Total†	< LOQ		0.141			
CBN	0.502		0.0750			
CBT†	1.02		0.0750			
Δ8-THC	< LOQ		0.0750			
Δ8-THCV	< LOQ		0.0750			
Δ9-THC	< LOQ		0.0750			
exo-THC	< LOQ		0.0750			
THC-A	< LOQ		0.0750			
THC-Total	< LOQ		0.141			
THCV†	< LOQ		0.0750			
THCV-A†	< LOQ		0.0750			
THCV-Total†	< LOQ		0.140			
<b>Total Cannabinoids†</b>	<b>94.2</b>					



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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**

% = Percentage of sample

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

Approved Signatory

Derrick Tanner  
General Manager



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**Hemp / Cannabis Usable / Extract / Finished Products**

**Chain of Custody Record**

Revision: 4.00 Control#: CP029 Rev 02/24/2021 Eff: 03/04/2021  
ORELAP ID: OR100028

Company: <u>IHC</u> Contact: <u>Kyle Farook</u> Street: <u>431 NW Flinders st.</u> City: <u>Portland</u> State: <u>OR</u> Zip: <u>97209</u> <input type="checkbox"/> Email Results: <u>dropbox</u> Fx: <u>(503) 608184</u> Fx Results: <u>( )</u> Billing (if different): <u>joel@thehemppcollect.com</u>				<b>Analysis Requested:</b> <input type="checkbox"/> Potency <input type="checkbox"/> Residual Solvents <input type="checkbox"/> Moisture & Water Activity <input type="checkbox"/> Terpenes <input type="checkbox"/> Micro-Yeast and Mold <input type="checkbox"/> Micro-E Coli and Total Coliform <input type="checkbox"/> Heavy Metals <input type="checkbox"/> Mycotoxins <input type="checkbox"/> Other:										PD Number: _____ Project Number: _____ Project Name: _____ Custom Reporting: _____ Report to State - <input type="checkbox"/> METRC or <input type="checkbox"/> Other: _____ Turnaround time: <input checked="" type="checkbox"/> 5 Business Day Standard Turnaround <input type="checkbox"/> 3 Business Day Rush Turnaround* <input type="checkbox"/> 2 Business Day Rush Turnaround* <small>*Check for availability</small>				
Lab ID	Client Sample Identification	Date	Time	Premises - OR 50 concentrate	Pesticide MetR: Residue - 379 concentrate	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/Metro ID	
1	D8 Vape - Runtz					X									C		-Sample #6- Report in mg_analyte per 3.6g unit serving size  -Sample#8- IHC concentrate sample, test accordingly please.	
2	D8 Vape - Mango Dosl					X									C			
3	D8 Vape - Tangie Skunk					X									C			
4	D8 Vape - Sour Space Candy					X									C			
5	Lemon Meringe Indoor	FLY				X		X							V			
6	07GMY304					X									E			
7	Live CBD Sugar - STs					X									C			
8	13DST_052622					X									C			
9																		
10																		
Relinquished By:		Date:	Time:	Received By:		Date:	Time:	Lab Use Only:										
Kyle Farook		5/25	4:30	AC		5-26	15:42	<input type="checkbox"/> Shipped Via: _____ or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (C): <u>22.4</u> Sample in good condition: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: _____ Packing storage: _____										

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

Samples submitted to Columbia Laboratories with billing requirements constitute an agreement for services to be performed with the named scope of service associated with this CCR. By signing "Relinquished By" you are agreeing to these terms.

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Portland, OR 97230

P: (503) 254-1794 | Fax: (503) 254-1452  
info@columbialaboratories.com

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

**Laboratory Quality Control Results**

**J AOAC 2015 V98-6** **Batch ID: 2204621**

**Laboratory Control Sample**

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	1	0.102	0.100	%	102	80.0 - 120	Acceptable	
CBDV	1	0.111	0.100	%	111	80.0 - 120	Acceptable	
CBE	1	0.0955	0.100	%	95.5	80.0 - 120	Acceptable	
CBDA	1	0.0986	0.100	%	98.6	90.0 - 110	Acceptable	
CBGA	1	0.0954	0.100	%	95.4	80.0 - 120	Acceptable	
CBG	1	0.0929	0.100	%	92.9	80.0 - 120	Acceptable	
CBD	1	0.0968	0.100	%	96.8	90.0 - 110	Acceptable	
THCV	1	0.0987	0.100	%	98.7	80.0 - 120	Acceptable	
d8THCV	1	0.0990	0.100	%	99.0	80.0 - 120	Acceptable	
THCVA	1	0.0980	0.100	%	98.0	80.0 - 120	Acceptable	
CBN	1	0.0986	0.100	%	98.6	90.0 - 110	Acceptable	
exo-THC	1	0.0907	0.100	%	90.7	80.0 - 120	Acceptable	
d9THC	1	0.0920	0.100	%	92.0	90.0 - 110	Acceptable	
d8THC	1	0.0912	0.100	%	91.2	80.0 - 120	Acceptable	
CBL	1	0.0914	0.100	%	91.4	80.0 - 120	Acceptable	
9R-HHC	3	0.0949	0.100	%	94.9	80.0 - 120	Acceptable	
CBC	1	0.100	0.100	%	100	80.0 - 120	Acceptable	
9S-HHC	3	0.0939	0.100	%	93.9	80.0 - 120	Acceptable	
THCA	1	0.0961	0.100	%	96.1	90.0 - 110	Acceptable	
CBCA	1	0.103	0.100	%	103	80.0 - 120	Acceptable	
CBLA	1	0.0986	0.100	%	98.6	80.0 - 120	Acceptable	
d8THCO	3	0.0870	0.100	%	87.0	80.0 - 120	Acceptable	
CBT	1	0.0886	0.100	%	88.6	80.0 - 120	Acceptable	
d9THCO	3	0.0844	0.100	%	84.4	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	
9R-HHC	<LOQ	0.077	%	< 0.077	Acceptable	
CBC	<LOQ	0.077	%	< 0.077	Acceptable	
9S-HHC	<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	
d8THCO	<LOQ	0.077	%	< 0.077	Acceptable	
CBT	<LOQ	0.077	%	< 0.077	Acceptable	
d9THCO	<LOQ	0.077	%	< 0.077	Acceptable	

**Abbreviations**

ND - None Detected at or above MRL  
RPD - Relative Percent Difference



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**Laboratory Quality Control Results**

LOQ - Limit of Quantitation

**Units of Measure:**

% - Percent





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Legacy ID: Worksheet Validated 04/20/2021

**Laboratory Quality Control Results**

J AOAC 2015 V98-6		Batch ID: 2204621						
Sample Duplicate		Sample ID: 22-006066-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.077	%	NA	< 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	0.399	0.409	0.077	%	2.49	< 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	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THC	83.8	85.2	0.077	%	1.71	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
9R-HHC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
9S-HHC	<LOQ	<LOQ	0.077	%	NA	< 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	0.134	0.369	0.077	%	93.4	< 20	Outlier	R
d9THCO	<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:**



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



**Report Number:** 22-006171/D005.R000  
**Report Date:** 06/06/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/26/22 15:42





12423 NE Whitaker Way  
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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.