



**Report Number:** 22-011501/D002.R000

**Report Date:** 09/28/2022 **ORELAP#:** OR100028

**Purchase Order:** 

**Received:** 09/23/22 12:10

Customer: IHC LLC

Product identity: 0102030506LIRVAP200\_GJ

Client/Metrc ID:

**Laboratory ID:** 22-011501-0002

# Summary

Potency: Analyte Result (%) THCV-A Δ8-THC CBD-Total 5.07% Δ8-THC CBD-A 64.1 CBG-A CBD-A CBG 5.40 CBDV CBG 3.45 THC-Total 0.163% THCV CBDV 3.34 CBDV-A THCV 3.14 (Reported in percent of total sample) Δ8-THCV CBDV-A 3.13 CBC-A Δ8-THCV 0.541 • CBD CBC-A 0.383 THC-A CBD CBT 0.331 THC-A 0.186 CBT 0.160 THCV-A 0.125 CBG-A 0.0833





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Portland Oregon 97209

United States of America (USA)

Product identity: 0102030506LIRVAP200\_GJ

Client/Metrc ID:

Sample Date:

**Laboratory ID:** 22-011501-0002

**Evidence of Cooling:** No **Temp:** 23 °C



# **Sample Results**

Potency	Method: J AOAC 2015	V98-6 (mod)	♭ Units %	Batch: 2208188	<b>Analyze:</b> 9/28/22 9:45:00 AM
Analyte	As Dry Received weight	LOQ	Notes		
CBC	< LOQ	0.0725			● CBD-A ● THCV-A
CBC-A	0.383	0.0725			• CBG • CBG-A
CBC-Total	0.336	0.136			O CBDV THCV
CBD	0.331	0.0725			• CBDV-A
CBD-A	5.40	0.0725			△ ∆8-THCV
CBD-Total	5.07	0.136			• CBC-A
CBDV	3.34	0.0725			• CBD
CBDV-A	3.13	0.0725			THC-A
CBDV-Total	6.05	0.135			
CBE	< LOQ	0.0725			
CBG	3.45	0.0725			
CBG-A	0.0833	0.0725			
CBG-Total	3.52	0.135			
CBL	< LOQ	0.0725			
CBL-A	< LOQ	0.0725			
CBL-Total	< LOQ	0.136			
CBN	< LOQ	0.0725			
CBT	0.160	0.0725			
Δ10-THC	< LOQ	0.0725			
Δ8-THC	64.1	0.725			
Δ8-THCV	0.541	0.0725			
Δ9-THC	< LOQ	0.0725			
exo-THC	< LOQ	0.0725			
THC-A	0.186	0.0725			
THC-Total	0.163	0.136			
THCV	3.14	0.0725			
THCV-A	0.125	0.0725			
THCV-Total	3.25	0.135			
Total Cannabinoids	84.4				





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## Abbreviations

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

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

p = ISO/IEC 17025:2017 accredited method.

## Units of Measure

% = Percentage of sample % wt =  $\mu$ 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 Controlls: CFD23 Rev 02/24/2021 Eff: 03/04/2021 OREAP1D: OR100008

A COMPONENTATION OF						A	ria lysi	s Req	umste	ě.					O Mamber:	
Corpery The Hemp Collect Contact kyle/e/thehempco Intest, 431 NW Flanders st City: Hortland Italia  ## Email flaush: dropbox (IH ##: (D1) DURING [] Fx Newski	Ult zqx.	97209	s - OB 59 companies	Math-Residue ~ 578 compounds		ctival Solvertia	ostber & Vister Authory		Scra: Yeart and Mole	Morro, 2, Colif and Total Coliforni	Metab	111		Projec Pro Custom i Report to	d Number:	STRC or C Other.  Sustains Day Sunderd Turners and Sustains Day Fach Terrerozati  Business Day High Terrerozati  there for successibility
ab ID Clear Sample Identification 0102030506LIRSUG20	Oeto O.GJ	Dese	Periods	Pessole	Protection	Permissi	Moinne	forperes	Wera. Y	Wkro.Z	Pressy to	Mycettamin	Other:	Sample Type 7	Weight (Units)	Conceeds/Metro ID
0102030506LIRVAP20	0_GJ				х									C		
3			Т													
			П													
Ö														- 4		
Mingariedly	Date	Titre			B	celed	W.		75	O	1#	Tie	me			Tall: Use Ovrig:
Kyle Farook 9/23 12:30			JF					9/23 12:10			10	□ Shipped Vis:ar # Chert deep     Evidence of cooling: □ Yes   SE No.   Seep (Y):2 3. ()     Sample in good condition: \$7 No! □ No.     □ Cash   □ Chect   □ CC   □ Nec.     Prelog storage:				

7 - Sample Type Codes: Vegetation (V) ; Isolates (II) ; Extract/Concentrate (C) ; Tirecture/Topical (T) ; Edible (C) ; Beverage (N)

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22-011501/D002.R000 **Report Number:** 

**Report Date:** 09/28/2022 ORELAP#: OR100028

**Purchase Order:** 

Received: 09/23/22 12:10

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

									• •	
			Lab	ooratory	Quality Co					
JAOAC 2015 V98-6					В	atch ID: 2	22081	88		
Laboratory Control S										
Analyte	LCS	Result	Spike	Units	%Rec		imits		Evaluation	Notes
OBDVA	2	0.101	0.103	%	98.1	80.0	-	120	Accept able	
OBDV	2	0.109	0.110	%	99.3	80.0		120	Accept able	
CBE	2	0.0992	0.105	%	94.9	80.0	-	120	Accept able	
OBDA .	1	0.0974	0.100	%	97.0	90.0	-	110	Accept able	
OBG.₽	1	0.0971	0.101	%	96.5	80.0	-	120	Accept able	
OBG	1	0.101	0.103	%	98.0	80.0	-	120	Accept able	
OBD .	1	0.0996	0.103	%	97.0	90.0	-	110	Accept able	
THCV	2	0.107	0.113	%	95.2	80.0	-	120	Accept able	
d8THCV	2	0.102	0.110	%	92.5	80.0	-	120	Accept able	
THCVA	2	0.107	0.101	%	106	80.0	-	120	Accept able	
CBN	1	0.0942	0.101	%	93.2	90.0	-	110	Accept able	
exo-THC	2	0.0946	0.103	%	92.2	80.0	-	120	Accept able	
d9THC	1	0.0938	0.104	%	90.6	90.0	-	110	Accept able	
d8THC	1	0.0937	0.100	%	93.3	80.0	-	120	Accept able	
OBL.	2	0.0913	0.099	%	92.7	80.0	-	120	Accept able	
d10THC	1	0.0869	0.096	%	90.9	80.0	-	120	Accept able	
OBC	2	0.100	0.108	%	92.4	80.0	-	120	Accept able	
THCA	1	0.0898	0.099	%	90.3	90.0	-	110	Accept able	
OBCA .	2	0.104	0.105	%	99.0	80.0	-	120	Accept able	
CBLA	2	0.0545	0.056	%	97.2	80.0	-	120	Accept able	
OBT .	2	0.102	0.112	%	91.7	80.0	-	120	Accept able	
Method Blank										
Analyte	R	esult	LOQ		Units	l	imits		Evaluation	Notes
OBDVA	< <	LOQ	0.0077		%	< (	0.007	7	Accept able	
CBDV	<	LOQ	0.0077		%	< (	0.007	7	Accept able	i e
CBE	<	LOQ	0.0077		%	< (	0.007	7	Accept able	

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
OBDVA	<100	0.0077	%	< 0.0077	Acceptable	
CBDV	<100	0.0077	%	< 0.0077	Acceptable	
OBE.	<l0q< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></l0q<>	0.0077	%	< 0.0077	Acceptable	
OBDA .	<l0q< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></l0q<>	0.0077	%	< 0.0077	Acceptable	
OBG <i>P</i>	<l0q< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></l0q<>	0.0077	%	< 0.0077	Acceptable	
OBG	<l0q< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></l0q<>	0.0077	%	< 0.0077	Acceptable	
OBD .	<l0q< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></l0q<>	0.0077	%	< 0.0077	Acceptable	
THCV	<l0q< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></l0q<>	0.0077	%	< 0.0077	Acceptable	
d8THCV	<1.0Q	0.0077	%	< 0.0077	Acceptable	
THCVA	<l0q< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></l0q<>	0.0077	%	< 0.0077	Acceptable	
OBN	<l0q< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></l0q<>	0.0077	%	< 0.0077	Acceptable	
exo-THC	<l0q< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Accept able</td><td></td></l0q<>	0.0077	%	< 0.0077	Accept able	
d9THC	<1.0Q	0.0077	%	< 0.0077	Acceptable	
d8THC	<l0q< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></l0q<>	0.0077	%	< 0.0077	Acceptable	
OBL.	<l0q< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></l0q<>	0.0077	%	< 0.0077	Acceptable	
d10THC	<l0q< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Accept able</td><td></td></l0q<>	0.0077	%	< 0.0077	Accept able	
OBC	<1.0Q	0.0077	%	< 0.0077	Acceptable	
THCA	<1.0Q	0.0077	%	< 0.0077	Acceptable	
OBCA .	<1.0Q	0.0077	%	< 0.0077	Acceptable	
CBLA	<1.0Q	0.0077	%	< 0.0077	Acceptable	
OBT .	<l0q< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></l0q<>	0.0077	%	< 0.0077	Acceptable	

ND - None Detected at or above MRL

RPD - Relative Percent Difference LOQ - Limit of Quantitation

Units of Measure: %- Percent





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

Laboratory Quality Control Results Analyte
CBDVA
CBDV
CBE
CBDA
CBGA
CBG Org. Result LOQ Units Notes Result Limits Evaluation Acceptable Acceptable 0.077 0.077 < 20 < 20 0.0290 0.201 0.201 0.077 Accept able 0.077 Acceptable % 0.077 < 20 Accept able 20.9 2.03 90.1 2.50 91.4 Outlier Acceptable % % 0.077 < 20 0.077 Accept able d8THC\ Acceptable Acceptable 0.077 THCVA 0.077 15.0 Acceptable Acceptable Acceptable ŒN 0.0289 0.0336 0.077 % - 20 0.077 < 20 Acceptable Acceptable d8THC OBL d10THC OBC THCA OBCA 0.077 Acceptable Acceptable % < 20 0.0162 0.0184 13.2 < 20 < 20 0.077 Acceptable OBLA OBT

< 20

Accept able Accept able

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

0.077

Units of Measure:





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**Report Date:** 09/28/2022 ORELAP#: OR100028

**Purchase Order:** 

09/23/22 12:10 Received:

# 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.
В	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 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 MIR	RIG MTO DES HME EVI	

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 49-THC. At this time there are no reference standards available for (+)d8-THC is o different compound from the main (-)d8-THC cannobinoid 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 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 #3.806% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result	Result mg/g
Cannabidivarin (CBDV)	0.039	0.16	ND	ND 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
$\Delta$ 8-tetrahydrocannabinol ( $\Delta$ 8-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

Analyzed rial bi, 2025   motionient quarteria, or rialing	11100100001				
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
Acporaillus pigor	ND	ND por 1 gram	Asparaillus torrous	ND	ND por 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
JULOL Above upper limit of linearity
CFU/g Colonyl Forming Units per 1 gram
TNTC Too Numerous to Count







Authorized Signature

Brandon Starr

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	Xulenes (Xul)	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 3q	ND	> 1/4 of the total sample area covered by an imbedded foreign material	ND

UI Not Identified
ND Not Detected
NA 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







Authorized Signature

Brandon Stark









**Report Number:** 23-000691/D004.R001

**Report Date:** 01/26/2023 **ORELAP#:** OR100028

**Purchase Order:** 

**Received:** 01/17/23 14:16

This is an amended version of report# 23-000691/D004.R000.

Reason: Updated report format.

Customer: IHC LLC

Product identity: 01LIR209\_GJ

Client/Metrc ID:

**Laboratory ID:** 23-000691-0007

# Summary

# Potency:

Analyte	Result (%)			00.00/
CBD-A	41.2	<ul><li>CBD-A</li></ul>	CBD-Total	36.8%
CBDV-A	20.5	<ul><li>CBDV-A</li></ul>		
CBC-A	2.19	• CBC-A	THC-Total	1.81%
THC-A	1.96	<ul><li>THC-A</li><li>THCV-A</li></ul>		
THCV-A	1.14	• CBG-A	(Reported in pe	rcent of total sample)
CBG-A	0.900	• CBD		
CBD	0.707	• CBG		
CBG	0.106	<ul> <li>Δ9-THC</li> </ul>		
Δ9-THC	0.0936			

## **Residual Solvents:**

Analyte		mits Status g/g)
utanes (sum)	2860 50	000 pass
n-Butane	2860	

## Metals:

Less than LOQ for all analytes.

# Microbiology:

Less than LOQ for all analytes.





**Report Number:** 23-000691/D004.R001

**Report Date:** 01/26/2023 **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\_GJ

Client/Metrc ID:

Sample Date:

**Laboratory ID:** 23-000691-0007

Evidence of Cooling: No
Temp: 20 °C
Relinquished by: ramos

# **Sample Results**

Potency	Method: J AOAC 201	5 V98-6 (mod)	♭ Units %	Batch: 2300680	<b>Analyze:</b> 1/21/23 4:59:00 AM
Analyte	As Dry	LOQ	Notes		
	Received weigh				● CBD-A
CBC	< LOQ	0.0711			• CBDV-A
CBC-A	2.19	0.0711			• CBC-A
CBC-Total	1.92	0.134		V	O THC-A
CBD	0.707	0.0711			• THCV-A
CBD-A	41.2	0.711			CBG-A
CBD-Total	36.8	0.695			CBD CBG
CBDV	< LOQ	0.0711			<ul><li>Δ9-THC</li></ul>
CBDV-A	20.5	0.0711			
CBDV-Total	17.8	0.133			
CBE	< LOQ	0.0711			
CBG	0.106	0.0711			
CBG-A	0.900	0.0711			
CBG-Total	0.896	0.133			
CBL	< LOQ	0.0711			
CBL-A	< LOQ	0.0711			
CBL-Total	< LOQ	0.134			
CBN	< LOQ	0.0711			
CBT	< LOQ	0.0711			
Δ10-THC-9R	< LOQ	0.0711			
Δ8-THC	< LOQ	0.0711			
Δ8-THCV	< LOQ	0.0711			
Δ9-THC	0.0936	0.0711			
exo-THC	< LOQ	0.0711			
THC-A	1.96	0.0711			
THC-Total	1.81	0.134			
THCV	< LOQ	0.0711			
THCV-A	1.14	0.0711			
THCV-Total	1.00	0.133			
Total Cannabinoids	68.8				





23-000691/D004.R001 **Report Number:** 

**Report Date:** 01/26/2023 ORELAP#: OR100028

**Purchase Order:** 

01/17/23 14:16 Received:

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) <sup>b</sup>	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	10	2300531	01/21/23 AOAC 2014.05 (RAPID) <sup>b</sup>	

Solvents	Method:	Residua	I Solve	ents by	GC/MS <sup>þ</sup>	Units µg/g	Batch 23	300722	Analyz	<b>e</b> 01/2	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	<b>N</b> )	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpro (neo-pentane)	pane	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	е	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile		< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)		2860	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 acetat	е	< LOQ	5000	200	pass	
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene		< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chlor	ide	< LOQ	600	60.0	pass	
Methylpropane (Isobutane)	< LOQ		200			n-Butane		2860		200		E
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 as benzene	nd Ethyl	< LOQ	2170	600	pass	

Metals							
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status Notes
Arsenic	< LOQ	0.200	mg/kg	0.0911	2300594	01/18/23 AOAC 2013.06 (mod.) <sup>p</sup>	pass
Cadmium	< LOQ	0.200	mg/kg	0.0911	2300594	01/18/23 AOAC 2013.06 (mod.) <sup>p</sup>	pass
Lead	< LOQ	0.500	mg/kg	0.0911	2300594	01/18/23 AOAC 2013.06 (mod.) <sup>p</sup>	pass
Mercury	< LOQ	0.100	mg/kg	0.0456	2300594	01/18/23 AOAC 2013.06 (mod.) <sup>p</sup>	pass

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) <sup>þ</sup>	
Aflatoxin B1¥	< LOQ		μg/kg	5.00	2300576	01/19/23 AOAC 2007.01 & EN 15662 (mod) <sup>b</sup>	
Aflatoxin G1¥	< LOQ		μg/kg	5.00	2300576	01/19/23 AOAC 2007.01 & EN 15662 (mod) <sup>b</sup>	
Aflatoxin G2¥	< LOQ		μg/kg	5.00	2300576	01/19/23 AOAC 2007.01 & EN 15662 (mod) <sup>b</sup>	
Ochratoxin A¥	< LOQ	20.0	μg/kg	5.00	2300576	01/19/23 AOAC 2007.01 & EN 15662 (mod) <sup>b</sup>	pass
Total Aflatoxins¥	0.000	20.0	μg/kg	20.0		01/24/23 AOAC 2007.01 & EN 15662 (mod) <sup>b</sup>	pass

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**Report Number:** 23-000691/D004.R001

**Report Date:** 01/26/2023 **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.

p = 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 =  $\mu$ g/g divided by 10,000

## Glossary of Qualifiers

E: Analyte concentration exceeds the calibration range, results are estimated.

Approved Signatory

Derrick Tanner General Manager





Report Number: 23-000691/D004.R001

Report Date: 01/26/2023 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** Batch ID: 2300680 LCS Result Units Evaluation Analyte CBDVA 0.100 0.106 % % Acceptable Acceptable 104 104 103 80.0 120 120 120 0.104 CBDV 0.110 80.0 80.0 CBE Acceptable 0.0968 90.0 80.0 CRGA 0.096 % Accentable. 120 101 CBG 0.099 % Acceptable 0.100 80.0 CBD 0.097 Acceptable Acceptable 0.109 102 80.0 0.108 Acceptable Acceptable d8THCV 0.103 105 103 THCVA 80.0 CBN exo-THC 0.102 0.097 % 80.0 120 120 Acceptable Acceptable 0.104 102 0.101 104 0.112 90.0 110 110 0.105 Acceptable 0.100 CBL 9S-HHC 0.104 Acceptable 0.108 0.0995 104 99.5 80.0 80.0 120 120 0.100 % Acceptable d10THC Acceptable 0.0471 CBC 0.107 0.104 % 80.0 Acceptable 0.100 9R-HH THCA 120 110 120 Acceptable Acceptable 0.0889 % 88.9 80.0 CBCA Acceptable 80.0 0.106 0.108 % Acceptable Acceptable CBLA 0.105 104 80.0 d8THCC 0.100 104 80.0 120 0.109 0.110 Acceptable d9THCO 0.100 Acceptable

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
CBDV	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
CBE	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
CBDA	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
CBGA	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
CBG	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
CBD	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
THCV	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
d8THCV	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
THCVA	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
CBN	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
exo-THC	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
d9THC	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
d8THC	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
CBL	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
9S-HHC	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
d10THC	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
CBC	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
9R-HHC	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
THCA	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
CBCA	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
CBLA	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
d8THCO	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
CBT	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	
d9THCO	<loq< td=""><td>0.0077</td><td>%</td><td>&lt; 0.0077</td><td>Acceptable</td><td></td></loq<>	0.0077	%	< 0.0077	Acceptable	

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

Units of Measure:

% - Percent





23-000691/D004.R001 **Report Number:** 

**Report Date:** 01/26/2023 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					Ba	tch ID: 2300680		
Sample Duplicate					San	nple 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< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
CBE	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
CBDA	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
CBGA	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
CBG	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
CBD	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
THCV	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
d8THCV	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
THCVA	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
CBN	0.0340	0.0342	0.077	%	0.526	< 20	Acceptable	
exo-THC	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
d9THC	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
d8THC	0.189	0.172	0.077	%	9.34	< 20	Acceptable	
CBL	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
9S-HHC	39.6	38.5	0.077	%	2.70	< 20	Acceptable	
d10THC	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
CBC	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
9R-HHC	36.9	35.2	0.077	%	4.96	< 20	Acceptable	
THCA	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
CBCA	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
CBLA	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
d8THCO	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
CBT	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
d9THCO	<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	

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:





23-000691/D004.R001 **Report Number:** 

**Report Date:** 01/26/2023 ORELAP#: OR100028

**Purchase Order:** 

Received: 01/17/23 14:16

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

Posidual Salvants					ol Results	Day	tch ID:	230072	าา			
Residual Solvents								230072	<u>′</u> ∠			
Method Blank						ry Control S						
Analyte	Result		LOQ	Notes	Result	Spike	Units	% Rec	_ [	imi	ts	Notes
Propane	ND	<	200		480	572	μg/g	83.9	60		120	
sobutane	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	ı	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	
thyl acetate	ND ND	<	200		1360	1610	μg/g	84.5	60		120	
2-Butanol	ND ND		200		1430	1600	μg/g	89.4	60		120	
Tetrahydrofuran	ND		100		397	483	μg/g	82.2	60		120	
Cyclohexane	ND ND	~	200		1300	1610	μg/g	80.7	60		120	
2-methyl-1-propanol	ND ND	<	500		1360	1620		84.0	70		130	
Benzene	ND ND	<	1		4.42	5.02	μg/g	88.0	60		120	
	ND ND		200		1450	1620	μg/g	89.5	60		120	
sopropyl Acetate	ND ND	<	200		1280	1610	μg/g	79.5	60		120	
Heptane 1-Butanol	ND ND	<	500		1450	1630	μg/g	89.0	70		130	
Propyl Acetate	ND ND	<	500		1310	1610	μg/g	81.4	70		130	
1.4-Dioxane	ND ND		100		390	491	μg/g	79.4	60		120	
,		<					μg/g					0.1
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	
sobutyl Acetate	ND	<	500		1320	1630	μg/g	81.0	70		130	
L-Pentanol	ND	<	500		1330	1620	μg/g	82.1	70		130	
Butyl Acetate	ND	<	500		1280	1620	μg/g	79.0	70		130	
thylbenzene	ND	<	200		712	969	μg/g	73.5	60		120	
n,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
OMSO	ND	<	500		2220	1680	μg/g	132.1	70	-	130	Q1
,2-dimethoxyethane	ND	<	50		147	169	μg/g	87.0	70	- 1	130	
Friethylamine	ND	<	500		1340	1630	μg/g	82.2	70	- 1	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 ND	<	50		194	203	μg/g	95.6	70		130	
Sulfolane	ND ND	<	50		198	172	μg/g	115.1	70		130	
1,2-Dichloroethane	ND ND	<	1		0.857	1/2	μg/g	85.7	70		130	
Chloroform	ND ND	<	1		0.892	1	μg/g	89.2	70		130	
Frichloroethylene	ND ND		1		0.032	1	μg/g	93.0	70		130	
,1-Dichloroethane	ND ND	<	1		0.899	1	P5/5	89.9	,,,		130	





23-000691/D004.R001 **Report Number:** 

**Report Date:** 01/26/2023 ORELAP#: OR100028

**Purchase Order:** 

Received: 01/17/23 14:16

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

QC - Sample Duplicate					Sample ID:	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 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 ND	500 μg/g	0.0	< 20	Acceptable				
2,3-Dimethylbutane	ND	ND ND	30 μg/g	0.0	< 20	Acceptable				
Dichloromethane	ND	ND ND	60 μg/g	0.0	< 20	Acceptable				
2-Methylpentane	ND	ND ND	30 μg/g	0.0	< 20	Acceptable				
MTBE	ND	ND ND	500 μg/g	0.0	< 20	Acceptable				
3-Methylpentane	ND	ND ND	30 μg/g	0.0	< 20	Acceptable				
Hexane	ND	ND		0.0	< 20	Acceptable				
	ND ND	ND ND		0.0	< 20					
1-Propanol Methylethylketone	ND ND	ND ND	500 μg/g 500 μg/g	0.0	< 20	Acceptable				
		ND ND		0.0	< 20	Acceptable				
Ethyl acetate	ND		200 μg/g			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 ND	1 μg/g	0.0	< 20	Acceptable	i			
1,1-Dichloroethane	ND	ND	1 μg/g	0.0	< 20	Acceptable				
-,			- r6/5	0.0		/ teceptable	1			

## Abbreviations

Units of Measure:

μg/g- Microgram per gram or ppm

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.





**Report Number:** 23-000691/D004.R001

**Report Date:** 01/26/2023 ORELAP#: OR100028

**Purchase Order:** 

Received: 01/17/23 14:16







23-000691/D004.R001 **Report Number:** 

**Report Date:** 01/26/2023 ORELAP#: OR100028

**Purchase Order:** 

01/17/23 14:16 Received:

# 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.
В	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.