



**Report Number:** 23-003388/D004.R000

**Report Date:** 04/12/2023 **ORELAP#:** OR100028

**Purchase Order:** 

**Received:** 03/21/23 14:07

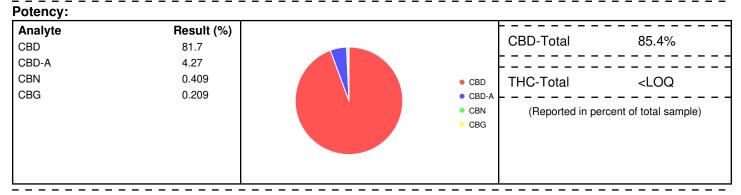
Customer: IHC LLC

Product identity: 01LIRSUG200\_STs

Client/Metrc ID:

**Laboratory ID:** 23-003388-0006

# Summary







**Report Number:** 23-003388/D004.R000

**Report Date:** 04/12/2023 **ORELAP#:** OR100028

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Customer: IHC LLC

825 NW 16th Ave Portland Oregon 97209 United States of America (USA)

Product identity: 01LIRSUG200\_STs

Client/Metrc ID:

Sample Date:

**Laboratory ID:** 23-003388-0006

Evidence of Cooling: No
Temp: 17.3 °C
Relinquished by: Hinton

# **Sample Results**

Potency	Method: J AOAC	2015 V98-6 (mod	d) Units %	Batch: 2305668	Analyze: 3/23/23	1:43:00 AM
Analyte		Dry LOQ weight	Notes			
CBD <sup>⊥</sup>	81.7	0.710				
CBD-A <sup>⊥</sup>	4.27	0.0710				
CBD-Total	85.4	0.772				CBD     CBD
CBG	0.209	0.0710		1		<ul><li>CBD-A</li><li>CBN</li></ul>
CBG-A	< LOQ	0.0710				O CBG
CBG-Total	0.209	0.132				0 020
CBN	0.409	0.0710				
$\Delta 10$ -THC-9R	< LOQ	0.0710				
Δ10-THC-9S	< LOQ	0.0710				
$\Delta 10$ -THC-Total	< LOQ	0.142				
Δ8-THC <sup>⊥</sup>	< LOQ	0.0710				
Δ9-THC <sup>⊥</sup>	< LOQ	0.0710				
THC-A <sup>⊥</sup>	< LOQ	0.0710				
THC-Total	< LOQ	0.133				
Total Cannabinoids	86.6					





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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.

\* = TNI accredited analyte.

#### Units of Measure

% = Percentage of sample % wt =  $\mu$ g/g divided by 10,000

Approved Signatory

Derrick Tanner General Manager





**Report Number:** 23-003388/D004.R000

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3/21/20, 11:35 AM

Columbia Laboratorem, ECCRC

(MICRO On Job 4044)

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Stiny East Logarithinia	muthslam	My State. No <u>Perfe</u>	d Chorn sints					Phoney Damageoid Re	Common of the last
Stiles Control Lauranillistin Bangda Horne	mentholium matrix	My Water Div <u>Perdis</u> Amount Frontised	Separting Unit		Seeling Semments				- Present
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Blog Feet Learnillain Basgle Hone Enables Letter (12 Co. 12 Co. 1	matria  Estrato / Consentrato Estrato / Consentrato Estrato / Consentrato Estrato / Consentrato	Amount Frontier  2.0 a 2.0 a 12.0 10.0	Empersing Unit  Si Sto menufranti Si Sto menufranti Si Sto menufranti Si Sto menufranti		MAN MAN MAN MAN MAN MAN MAN MAN MAN MAN MAN MAN MAN MAN			4	Committee of the last of the l
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Sting Final Learnilliain  Baseph Home Enables Learnilliain  Charles Learnilliain	matric  Matric	Am nort Frontses  10 a	Empersing Unit  Sapersing Unit	Alte Alte Alternate	Mijk Hijk Hijk Haris officed CDD, names filtery in Haris officed CDD, names filtery in Varies officed CDA names filtery in Chinari CDD, names filtery in Chinari CDD, names filtero Wase	IN IN		4	Section 1
thing final Learnfillians through Horne procedure words, 19 control of the Control C	mathelians  matrix  atrant (Consent an Consent (Consent an Colse  Data of (Consent an Enter (Consent a	Am nort Frontsed \$0.00	Emperolog Vest 5- So mentioned 5- So mentioned 6- So mentioned 6- So mentioned 6- So mentioned 7- So mentioned	Alte Alte (Auros)	Mily 1915 1915 1915 1916 1916 1916 1916 1917 1917 1917 1917	te te thought		4	1000
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Sting Final Learnilliain  Baseph Home Enables Learnilliain  Charles Learnilliain	mathelians  matrix  atrant (Consent an Consent (Consent an Colse  Data of (Consent an Enter (Consent a	Am nort Frontsed \$0.00	Emperolog Vest 5- So mentioned 5- So mentioned 6- So mentioned 6- So mentioned 6- So mentioned 7- So mentioned	Alte Alte (Auros)	Mily 1915 1915 1915 1916 1916 1916 1916 1917 1917 1917 1917	ta ta double double	lute	3	1000

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23-003388/D004.R000 **Report Number:** 

**Report Date:** 04/12/2023 ORELAP#: OR100028

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Received: 03/21/23 14:07

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

			Lal	oratory	<b>Quality Co</b>	ntrol Results		
J AOAC 2015 V98-6					В	atch ID: 2305668		
Laboratory Control S	ample							
Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.102	0.100	%	102	80.0 - 120	Acceptable	
CBDV	2	0.109	0.100	%	109	80.0 - 120	Acceptable	
CBE	2	0.104	0.100	%	104	80.0 - 120	Acceptable	
CBDA	1	0.0939	0.093	%	101	90.0 - 110	Acceptable	
CBGA	1	0.0792	0.077	%	102	80.0 - 120	Acceptable	
CBG	1	0.0954	0.093	%	102	80.0 - 120	Acceptable	
CBD	1	0.0845	0.082	%	103	90.0 - 110	Acceptable	
THCV	2	0.102	0.100	%	102	80.0 - 120	Acceptable	
d8THCV	2	0.102	0.100	%	102	80.0 - 120	Acceptable	
THCVA	2	0.109	0.100	%	109	80.0 - 120	Acceptable	
CBN	1	0.0815	0.081	%	101	80.0 - 120	Acceptable	
exo-THC	2	0.0956	0.100	%	95.6	80.0 - 120	Acceptable	
d9THC	1	0.0907	0.093	%	97.0	90.0 - 110	Acceptable	
d8THC	1	0.0936	0.094	%	99.9	90.0 - 110	Acceptable	
9S-d10THC	1	0.0920	0.094	%	97.6	80.0 - 120	Acceptable	
CBL	2	0.0963	0.100	%	96.3	80.0 - 120	Acceptable	
9S-HHC	3	0.0912	0.100	%	91.2	80.0 - 120	Acceptable	
9R-d10THC	1	0.0900	0.096	%	93.8	80.0 - 120	Acceptable	
CBC	2	0.103	0.100	%	103	80.0 - 120	Acceptable	
9R-HHC	3	0.0847	0.100	%	84.7	80.0 - 120	Acceptable	
THCA	1	0.105	0.108	%	97.8	90.0 - 110	Acceptable	
CBCA	2	0.106	0.100	%	106	80.0 - 120	Acceptable	
CBLA	2	0.101	0.100	%	101	80.0 - 120	Acceptable	
d8THCO	3	0.0934	0.100	%	93.4	80.0 - 120	Acceptable	
CBT	2	0.0906	0.100	%	90.6	80.0 - 120	Acceptable	
d9THCO	3	0.108	0.100	%	108	80.0 - 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBDV	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBE	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBDA	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBGA	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBG	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBD	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
THCV	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
d8THCV	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
THCVA	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBN	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
exo-THC	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
d9THC	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
d8THC	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
9S-d10THC	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBL	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
9S-HHC	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
9R-d10THC	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBC	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
9R-HHC	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
THCA	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBCA	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBLA	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
d8THCO	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBT	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
d9THCO	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></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





23-003388/D004.R000 **Report Number:** 

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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					Ba	tch ID: 2305668		
Sample Duplicate					Sam	ple ID: <b>22-011216</b>	-0003	
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<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	
CBDV	0.358	0.360	0.077	%	0.504	< 20	Acceptable	
CBE	3.25	3.29	0.077	%	1.23	< 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	0.350	0.394	0.077	%	11.8	< 20	Acceptable	
CBD	65.0	66.1	0.077	%	1.64	< 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	1.49	1.50	0.077	%	0.419	< 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	<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-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	
CBL	0.133	0.136	0.077	%	2.25	< 20	Acceptable	
9S-HHC	<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-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	1.58	1.58	0.077	%	0.0415	< 20	Acceptable	
9R-HHC	<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	
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	2.18	2.19	0.077	%	0.333	< 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

#### Units of Measure:

% - Percent





**Report Number:** 23-003388/D004.R000

**Report Date:** 04/12/2023 ORELAP#: OR100028

**Purchase Order:** 

Received: 03/21/23 14:07







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**Report Date:** 04/12/2023 ORELAP#: OR100028

**Purchase Order:** 

03/21/23 14:07 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 SD230412-042 (720	70)	Matrix Concentrate (Inhalable Cannabis Good)
Tested for The Hemp Collect		
Sampled -	Received Apr 12, 2023	Reported Apr 24, 2023
Analyses executed CAN+, RES	i, MIBIG, MTO, PES, HME, FVI	

#### CAN+ - Cannabinoids Analysis

Analyzed Apr 24, 2023 | Instrument HPLC-VWD | Method SOP-001

The expanded Uncertainty of the Cannabinoid analysis is approximately 4.806% 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	0.77	7.73
Cannabidiol (CBD)	0.001	0.16	49.16	491.56
Tetrahydrocannabivarin (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 * 0.877 + Δ9THC)			ND	ND
Total THC + Δ8THC ( THCa * 0.877 + Δ9THC + Δ8THC )			ND	ND
Total CBD (CBDa * 0.877 + CBD )			49.16	491.56
Total CBG ( CBGa * 0.877 + 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
Asperaillus niger	ND	ND per 1 gram	Asperaillus 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
JULQL 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 Mon, 24 Apr 2023 14:10:27 -0700



### 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
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 20, 2023 | Instrument GC/FID with Headspace Analyzer | Method SOP-006

Analyte	LOD 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		Butane (But)	0.4	40.0	ND	
Methanol (Metha)	0.4	40.0	ND		Ethylene Oxide (EthOx)	0.4	8.0	ND	
Pentane (Pen)	0.4	40.0	ND		Ethanol (Ethan)	0.4	40.0	ND	
Ethyl Ether (EthEt)	0.4	40.0	ND		Acetone (Acet)	0.4	40.0	<loq< td=""><td></td></loq<>	
Isopropanol (2-Pro)	0.4	40.0	ND		Acetonitrile (Acetonit)	0.4	40.0	ND	
Methylene Chloride (MetCh)	0.4	0.8	ND		Hexane (Hex)	0.4	40.0	ND	
Ethyl Acetate (EthAc)	0.4	40.0	ND		Chloroform (Clo)	0.4	0.8	ND	
Benzene (Ben)	0.4	0.8	ND		1-2-Dichloroethane (12-Dich)	0.4	0.8	ND	
Heptane (Hep)	0.4	40.0	ND		Trichloroethylene (TriClEth)	0.4	0.8	ND	
Toluene (Toluene)	0.4	40.0	ND		Xulenes (Xul)	0.4	40.0	ND	

### 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 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

Branden Starr

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

