



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



**Report Number:** 22-015800/D009.R000  
**Report Date:** 01/04/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 12/28/22 16:43

**Customer:** IHC LLC  
**Product identity:** D8 Double - SSH  
**Client/Metric ID:** .  
**Laboratory ID:** 22-015800-0016

### Summary

**Potency:**

Analyte	Result (%)			
Δ8-THC	33.9			
CBD-A	11.9		CBD-Total	11.4%
CBD	1.00		THC-Total	<LOQ
CBG-A	0.189		(Reported in percent of total sample)	
Δ8-THCV	0.124			
CBDV-A	0.0837			
CBG	0.0699			
CBT	0.0560			
CBC-A	0.0490			
CBC	0.0324			



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



**Report Number:** 22-015800/D009.R000  
**Report Date:** 01/04/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 12/28/22 16:43

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

**Product identity:** D8 Double - SSH

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 22-015800-0016

**Evidence of Cooling:** No

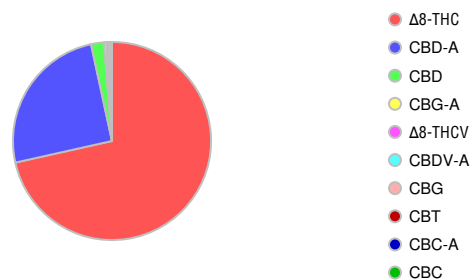
**Temp:** 15.2 °C

**Relinquished by:** Client



### Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) <sup>p</sup>		Units %	Batch: 2300022	Analyze: 12/30/22 10:53:00 P
Analyte	As Received	Dry weight	LOQ	Notes	
CBC	0.0324		0.0299		
CBC-A	0.0490		0.0299		
CBC-Total	0.0754		0.0561		
CBD	1.00		0.0299		
CBD-A	11.9		0.299		
CBD-Total	11.4		0.292		
CBDV	< LOQ		0.0299		
CBDV-A	0.0837		0.0299		
CBDV-Total	0.0726		0.0558		
CBE	< LOQ		0.0299		
CBG	0.0699		0.0299		
CBG-A	0.189		0.0299		
CBG-Total	0.236		0.0558		
CBL	< LOQ		0.0299		
CBL-A	< LOQ		0.0299		
CBL-Total	< LOQ		0.0561		
CBN	< LOQ		0.0299		
CBT	0.0560		0.0299		
Δ10-THC	< LOQ		0.0299		
Δ8-THC	33.9		0.299		
Δ8-THCV	0.124		0.0299		
Δ9-THC	< LOQ		0.0299		
exo-THC	< LOQ		0.0299		
THC-A	< LOQ		0.0299		
THC-Total	< LOQ		0.0561		
THCV	< LOQ		0.0299		
THCV-A	< LOQ		0.0299		
THCV-Total	< LOQ		0.0558		
<b>Total Cannabinoids</b>	<b>47.4</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.

<sup>p</sup> = ISO/IEC 17025:2017 accredited method.

**Units of Measure**

% = Percentage of sample

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

Approved Signatory

Derrick Tanner  
General Manager

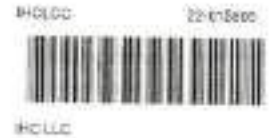


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**Hemp / Cannabis Usable / Extract / Finished Products**  
**Chain of Custody Record**  
Revision: 4.00 Control ID: CP023 Rev 02/24/2021 Eff: 03/04/2021  
ORELAP ID: OR100028



<b>Company:</b> The Hemp Collect <b>Contact:</b> kyle@thehempcollect.com <b>Street:</b> 431 NW Flanders st. <b>City:</b> Portland <b>State:</b> OR <b>Zip:</b> 97209 <input checked="" type="checkbox"/> <b>Email Results:</b> dropbox (IHL) <b>Ph: (503) 505104</b> <input type="checkbox"/> <b>Fx Results:</b> ( ) <b>Billing &amp; Invoicing:</b> joel@thehempcollect.com				<b>Analyte Requested</b>										<b>PO Number:</b> _____ <b>Project Number:</b> _____ <b>Project Name:</b> _____ <b>Custom Reporting:</b> _____ <b>Report to State:</b> <input type="checkbox"/> METRIC or <input type="checkbox"/> Other: _____ <b>Tamperproof time:</b> <input checked="" type="checkbox"/> 5 Business Day Standard Tamperproof <input type="checkbox"/> 5 Business Day Rush Tamperproof* <input type="checkbox"/> 2 Business Day Rush Tamperproof* <small>*Check for availability</small>			
Lab ID	Client Sample Identification	Date	Time	Psychedelic - OH 59 compounds	Psychedelic Multi-Residual - 279 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro, Yeast and Mold	Microm: A Col and Total Coliforms	Heavy Metals	Mycotoxins	Other	Sample Type?	Weight (Lb/oz)	Comments/Metric ID
1	010307LIRVAP200_PK					X									C		
2	010307LIRVAP200_Llama					X									C		
3	010307LIRVAP200_OCK					X									C		
4	0103LIRVAP200_WB					X									C		
5	0103LIRVAP200_Lava					X									C		
6	0103LIRVAP200_PB					X									C		
7	0103LIRVAP200_SP					X									C		
8	0103LIRVAP200_SG					X									C		
9	0103LIRVAP200_OG					X									C		
10	0103LIRVAP200_STs					X									C		
Relinquished by:		Date	Time	Received by:		Date	Time	Lab Use Only:									
Kyle Farook		12/27	12:00 P	A.C		12-27	16:31	<input type="checkbox"/> Shipped Via: _____ <input checked="" type="checkbox"/> Client drop Evidence of testing: <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No - Temp (K): <u>15.2</u> Sample is 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: Prelog storage: _____									

\* - Sample Type Codes: Vegetation (V) | Isolates (I) | Extract/Concentrate (C) | Tincture/Tropical (T) | Edible (E) | Beverage (B)

Samples submitted to Columbia Laboratories will require compliance with all applicable laws and regulations. An agreement for service is required with the current terms of service associated with this S/C. By signing "Relinquished by" you are agreeing to these terms.  
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**Hemp / Cannabis Usable / Extract / Finished Products  
 Chain of Custody Record**

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

HC-CLCC 22-015800



HC-LLC

Company: <u>The Hemp Collect</u> Contact: <u>kyle@thehempcollect.com</u> Street: <u>431 NW Flinders St.</u> City: <u>Portland</u> State: <u>OR</u> Zip: <u>97209</u> <input checked="" type="checkbox"/> Email Results: <u>dropbox (IHC)</u> PH: <u>(503) 5067154</u> / Fax Results: (____) Billing (if different): <u>joel@thehempcollect.com</u>				<b>Analysis Requested</b> Ferrioxide - DB 99 compounds Ferrioxide MARIJUANA - 379 compounds Ferrioxide Residual Solvents Moisture & Water Activity Pesticides Micro, Yeast and Mold pH for E. Coli and Total Coliform Heavy Metals Mycotoxins OTHER:										PO 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"/> 2 Business Day Rush Turnaround* <input type="checkbox"/> 2 Business Day Rush Turnaround* <small>*Check for availability</small>																																																																																																																																																																																												
Sampled by: _____				<table border="1"> <thead> <tr> <th>Lab ID</th> <th>Client Sample Identification</th> <th>Date</th> <th>Time</th> <th>Ferrioxide - DB 99 compounds</th> <th>Ferrioxide MARIJUANA - 379 compounds</th> <th>Ferrioxide</th> <th>Residual Solvents</th> <th>Moisture &amp; Water Activity</th> <th>Pesticides</th> <th>Micro, Yeast and Mold</th> <th>pH for E. Coli and Total Coliform</th> <th>Heavy Metals</th> <th>Mycotoxins</th> <th>OTHER</th> <th>Sample Type</th> <th>Weight (Units)</th> <th>Comments/Memo ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0102030506LIRVAP_T G</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>C</td> <td></td> <td rowspan="10">           Samples #6 &amp; #7. Alternate client name:             Vest Oils         </td> </tr> <tr> <td>2</td> <td>0102030506LIRVAP_F V</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>C</td> <td></td> </tr> <tr> <td>3</td> <td>0102030506LIRVAP_G J</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>C</td> <td></td> </tr> <tr> <td>4</td> <td>DB - Sour Pineapple</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>V</td> <td></td> </tr> <tr> <td>5</td> <td>DB - Lemon Meringue</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>V</td> <td></td> </tr> <tr> <td>6</td> <td>DB Double - SSH</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>V</td> <td></td> </tr> <tr> <td>7</td> <td>DB Double - SHH</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>V</td> <td></td> </tr> <tr> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Lab ID	Client Sample Identification	Date	Time	Ferrioxide - DB 99 compounds	Ferrioxide MARIJUANA - 379 compounds	Ferrioxide	Residual Solvents	Moisture & Water Activity	Pesticides	Micro, Yeast and Mold	pH for E. Coli and Total Coliform	Heavy Metals	Mycotoxins	OTHER	Sample Type	Weight (Units)	Comments/Memo ID	1	0102030506LIRVAP_T G					X									C		Samples #6 & #7. Alternate client name:  Vest Oils	2	0102030506LIRVAP_F V					X									C		3	0102030506LIRVAP_G J					X									C		4	DB - Sour Pineapple					X									V		5	DB - Lemon Meringue					X									V		6	DB Double - SSH					X									V		7	DB Double - SHH					X									V		8																	9																	10																
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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 "Authorized By" you are agreeing to these terms.  
 12423 NE Whitaker Way, Portland, OR 97230 P: (503) 254-1794 / Fax: (503) 254-1452 Page \_\_\_\_ of \_\_\_\_  
[www.columbialaboratories.com](http://www.columbialaboratories.com) [www.columbialaboratories.com](http://www.columbialaboratories.com)

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.  
 Testing in accordance with: OAR 333-007-0430



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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: 2300022

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0329	0.034	%	97.6	80.0	- 120	Acceptable	
CBDV	2	0.0348	0.037	%	94.8	80.0	- 120	Acceptable	
CBE	2	0.0319	0.035	%	90.0	80.0	- 120	Acceptable	
CBDA	1	0.0349	0.034	%	101	90.0	- 110	Acceptable	
CBGA	1	0.0347	0.034	%	101	80.0	- 120	Acceptable	
CBG	1	0.0353	0.035	%	102	80.0	- 120	Acceptable	
CBD	1	0.0393	0.035	%	113	90.0	- 110	Acceptable	Q
THCV	2	0.0334	0.035	%	95.1	80.0	- 120	Acceptable	
d8THCV	2	0.0332	0.036	%	93.4	80.0	- 120	Acceptable	
THCVA	2	0.0308	0.033	%	93.6	80.0	- 120	Acceptable	
CBN	1	0.0372	0.036	%	104	80.0	- 120	Acceptable	
exo-THC	2	0.0349	0.034	%	102	80.0	- 120	Acceptable	
d9THC	1	0.0395	0.037	%	106	90.0	- 110	Acceptable	
d8THC	1	0.0344	0.036	%	95.6	90.0	- 110	Acceptable	
CBL	2	0.0333	0.033	%	100	80.0	- 120	Acceptable	
d10THC	1	NA	0.033	%	NA	80.0	- 120	Acceptable	Q6
CBG	2	0.0342	0.036	%	94.1	80.0	- 120	Acceptable	
THCA	1	0.0349	0.034	%	103	90.0	- 110	Acceptable	
CBCA	2	0.0314	0.034	%	91.4	80.0	- 120	Acceptable	
CBLA	2	0.0327	0.035	%	93.6	80.0	- 120	Acceptable	
CBT	2	0.0354	0.036	%	97.3	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.03	%	< 0.03	Acceptable	
CBDV	<LOQ	0.03	%	< 0.03	Acceptable	
CBE	<LOQ	0.03	%	< 0.03	Acceptable	
CBDA	<LOQ	0.03	%	< 0.03	Acceptable	
CBGA	<LOQ	0.03	%	< 0.03	Acceptable	
CBG	<LOQ	0.03	%	< 0.03	Acceptable	
CBD	<LOQ	0.03	%	< 0.03	Acceptable	
THCV	<LOQ	0.03	%	< 0.03	Acceptable	
d8THCV	<LOQ	0.03	%	< 0.03	Acceptable	
THCVA	<LOQ	0.03	%	< 0.03	Acceptable	
CBN	<LOQ	0.03	%	< 0.03	Acceptable	
exo-THC	<LOQ	0.03	%	< 0.03	Acceptable	
d9THC	<LOQ	0.03	%	< 0.03	Acceptable	
d8THC	<LOQ	0.03	%	< 0.03	Acceptable	
CBL	<LOQ	0.03	%	< 0.03	Acceptable	
d10THC	<LOQ	0.03	%	< 0.03	Acceptable	
CBG	<LOQ	0.03	%	< 0.03	Acceptable	
THCA	<LOQ	0.03	%	< 0.03	Acceptable	
CBCA	<LOQ	0.03	%	< 0.03	Acceptable	
CBLA	<LOQ	0.03	%	< 0.03	Acceptable	
CBT	<LOQ	0.03	%	< 0.03	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: 2300022						
Sample Duplicate		Sample ID: 22-015800-0014						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	0.0727	0.0732	0.03	%	0.701	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBDA	9.67	9.58	0.03	%	0.998	< 20	Acceptable	
CBGA	0.163	0.166	0.03	%	2.00	< 20	Acceptable	
CBG	0.0752	0.0747	0.03	%	0.602	< 20	Acceptable	
CBD	0.901	0.914	0.03	%	1.39	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
d8THCV	0.111	0.111	0.03	%	0.546	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
d8THC	29.9	29.9	0.03	%	0.00552	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBC	0.0325	0.0342	0.03	%	5.00	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBCA	0.0411	0.0434	0.03	%	5.50	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBT	0.0502	0.0498	0.03	%	0.902	< 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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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.

PharmLabs San Diego Certificate of Analysis

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



Sample **O3DTST224\_AMBER\_D8 Distillate**

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

**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 (+)-8-THC or d9-THC. At this time there are no reference standards available for (+)-8-THC. (+)-8-THC is a different compound from the main (-)-8-THC cannabinoid and, therefore, these two compounds may have different efficacies. Using the most advanced instruments and techniques available, the separation of (+)-8-THC and d9-THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)-8-THC and d9-THC with the majority, if not all, of the concentration being (+)-8-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
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	ND	ND
Cannabidiol (CBD)	0.001	0.16	ND	ND
Tetrahydrocannabinol (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
<b>Total THC ( THCa * 0.877 + Δ9THC )</b>			ND	ND
<b>Total THC + Δ8THC ( THCa * 0.877 + Δ9THC + Δ8THC )</b>			94.56	945.60
<b>Total CBD ( CBDA * 0.877 + CBD )</b>			ND	ND
<b>Total CBG ( CBGA * 0.877 + CBG )</b>			ND	ND
<b>Total Cannabinoids</b>			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



Scan the QR code to verify authenticity.

Authorized Signature

*Brandon Starr*

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

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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
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	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	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 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



Scan the QR code to verify authenticity.

Authorized Signature

*Brandon Starr*

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

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