



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



Report Number: 23-002724/D003.R000
Report Date: 03/13/2023
ORELAP#: OR100028
Purchase Order:
Received: 03/07/23 13:13

Customer: IHC LLC
Product identity: 03DST225_Clear
Client/Metric ID: .
Laboratory ID: 23-002724-0002

Summary

Potency:

Analyte	Result (%)		
Δ8-THC	85.5		CBD-Total <LOQ
CBN	1.21		THC-Total <LOQ
			(Reported in percent of total sample)



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

Product identity: 03DST225_Clear

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-002724-0002

Evidence of Cooling: No

Temp: 11

Relinquished by: hinton



Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^p		Units %	Batch: 2302204	Analyze: 3/11/23 2:22:00 AM
Analyte	As Received	Dry weight	LOQ	Notes	
CBD	< LOQ		0.0681		
CBD-A	< LOQ		0.0681		
CBD-Total	< LOQ		0.128		
CBG	< LOQ		0.0681		
CBG-A	< LOQ		0.0681		
CBG-Total	< LOQ		0.127		
CBN	1.21		0.0681		
Δ10-THC-9R	< LOQ		0.0681		
Δ10-THC-9S	< LOQ		0.0681		
Δ10-THC-Total	< LOQ		0.136		
Δ8-THC	85.5		0.681		
Δ9-THC	< LOQ		0.0681		
THC-A	< LOQ		0.0681		
THC-Total	< LOQ		0.128		
Total Cannabinoids	86.7				

● Δ8-THC
 ● CBN



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

Approved Signatory

Derrick Tanner
General Manager



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Herb & Cannabis: Usable / Extract / Finished Product
Chain of Custody Record

The Hemp-Collect
1670216610

ORELAP ID: 001205000 AVAL 003 170216610 ATT000

Contract Information		Project Information		Testing					
Company: The Hemp-Collect Contract Job Name: Street Address: 121 NW Flamingo St City: Roseburg, Oregon 97530 Email: info@columbialaboratories.com Contract # Name: 218003000		Project Name: N/A PID Number: N/A Takeback of Time: 8 Business Days (calendar days) (calendar days) Sample Delivered to Laboratory: Schedule 1/14/23 Sample Type: Extract Final Use Location: Street Address: 121 NW Flamingo St City: Roseburg, Oregon 97530		Heavy Metals Panel (As, Cd, Pb & Hg)	Proteinase - All Proteinase Profile	Primary Contaminant Panel Profile	Residual Solvent - THF		
#	Sample Name	Matrix	Amount Provided	Reporting Unit	Testing Comments				
1	21147001_001	Extract / Concentrate	14 g	% By weight basis	Early send potency for assay. Confirm that potency results with an in-house screening. Also see test full panel	✓	✓	✓	✓
2	03057010_001	Extract / Concentrate	14 g	% By weight basis	Early send potency for assay. Confirm that potency results with an in-house screening. Also see test full panel	✓	✓	✓	✓
3	03057014_001	Extract / Concentrate	14 g	% By weight basis	Early send potency for assay. Confirm that potency results with an in-house screening. Also see test full panel	✓	✓	✓	✓
Relinquished By		Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?	
John Farnell		3/7/2023	10:40	ARH	3/7/2023	11:29		No	
ARH		3/7/2023	11:40	ARH	3/7/2023	13:09		No	

Samples submitted to Columbia Laboratories with testing requirements and analysis agreement for services in accordance with the [current terms of service](#) associated with the ORELAP. By agreeing to this agreement, you are agreeing to these terms.

Columbia Laboratories
12423 NE Whitaker Way
Portland, OR 97230

503-254-1794 | Fax: 503-254-1492
info@columbialaboratories.com

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www.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: 2302204

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.113	0.099	%	114	80.0	- 120	Acceptable	
CBDV	2	0.121	0.106	%	114	80.0	- 120	Acceptable	
CBE	2	0.115	0.102	%	112	80.0	- 120	Acceptable	
CBD	1	0.121	0.115	%	105	90.0	- 110	Acceptable	
CBGA	1	0.120	0.114	%	105	80.0	- 120	Acceptable	
CBG	1	0.127	0.120	%	106	80.0	- 120	Acceptable	
CBDA	1	0.126	0.118	%	107	90.0	- 110	Acceptable	
THCV	2	0.109	0.100	%	109	80.0	- 120	Acceptable	
d8THCV	2	0.119	0.109	%	110	80.0	- 120	Acceptable	
THCVA	2	0.115	0.098	%	117	80.0	- 120	Acceptable	
CBN	1	0.125	0.121	%	103	80.0	- 120	Acceptable	
exo-THC	2	0.109	0.101	%	108	80.0	- 120	Acceptable	
d9THC	1	0.119	0.122	%	98.0	90.0	- 110	Acceptable	
d8THC	1	0.121	0.121	%	101	90.0	- 110	Acceptable	
9S-d10THC	1	0.121	0.123	%	98.6	80.0	- 120	Acceptable	
CBL	2	0.110	0.100	%	110	80.0	- 120	Acceptable	
9R-d10THC	1	0.118	0.115	%	102	80.0	- 120	Acceptable	
CB	2	0.116	0.107	%	109	80.0	- 120	Acceptable	
THCA	1	0.116	0.115	%	101	90.0	- 110	Acceptable	
CBCA	2	0.121	0.105	%	115	80.0	- 120	Acceptable	
CBLA	2	0.119	0.105	%	114	80.0	- 120	Acceptable	
CBT	2	0.104	0.107	%	97.6	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	
CBD	<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	
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	
9S-d10THC	<LOQ	0.077	%	< 0.077	Acceptable	
CBL	<LOQ	0.077	%	< 0.077	Acceptable	
9R-d10THC	<LOQ	0.077	%	< 0.077	Acceptable	
CB	<LOQ	0.077	%	< 0.077	Acceptable	
THCA	<LOQ	0.077	%	< 0.077	Acceptable	
CBCA	<LOQ	0.077	%	< 0.077	Acceptable	
CBLA	<LOQ	0.077	%	< 0.077	Acceptable	
CBT	<LOQ	0.077	%	< 0.077	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2302204						
Sample Duplicate		Sample ID: 23-002724-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDV	0.664	0.690	0.077	%	3.73	< 20	Acceptable	
CBE	0.669	0.648	0.077	%	3.28	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBG	0.272	0.281	0.077	%	3.53	< 20	Acceptable	
CBD	85.7	87.6	0.077	%	2.29	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBN	0.289	0.294	0.077	%	1.78	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THC	0.0790	0.0804	0.077	%	1.65	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBC	0.463	0.471	0.077	%	1.65	< 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	
CBT	0.575	0.586	0.077	%	1.80	< 20	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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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.