



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



Report Number: 24-003702/D001.R000
Report Date: 04/11/2024
ORELAP#: OR100028
Purchase Order:
Received: 04/04/24 11:59

Customer: Utokia Herb Co
Product identity: Live Delta 9 Huckleberry
Client/Metric ID: Utokia
Laboratory ID: 24-003702-0001

Summary

Potency:

Analyte per 8g	Result	Limits	Units	Status	
CBD per 8g	0.257		mg/8g		THC-Total per Serving Size 20.2 mg/8g
CBD-A per 8g	2.02		mg/8g		
CBG per 8g	0.795		mg/8g		CBD-Total per Serving Size 2.03 mg/8g
CBN per 8g	9.76		mg/8g		(Reported in milligrams per serving)

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Product identity: Live Delta 9 Huckleberry
Client/Metric ID: Utokia
Sample Date:
Laboratory ID: 24-003702-0001
Evidence of Cooling: No
Temp: 17.1 °C
Serving Size #1: 8 g

Sample Results

Potency per 8g						Method: J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2402637	Analyze: 4/6/24 1:12:00 AM
Analyte	Result	Limits	Units	LOQ	Notes				
CBD per 8g	0.257		mg/8g	0.254					
CBD-A per 8g ^L	2.02		mg/8g	0.254					
CBD-Total per 8g ^L	2.03		mg/8g	0.477					
CBG per 8g	0.795		mg/8g	0.254					
CBG-A per 8g	< LOQ		mg/8g	0.254					
CBG-Total per 8g	0.795		mg/8g	0.474					
CBN per 8g	9.76		mg/8g	0.254					
Δ10-THC-9R per 8g	< LOQ		mg/8g	0.254					
Δ10-THC-9S per 8g	< LOQ		mg/8g	0.254					
Δ10-THC-Total per 8g	< LOQ		mg/8g	0.508					
Δ8-THC per 8g ^L	< LOQ		mg/8g	0.254					
THC-A per 8g ^L	< LOQ		mg/8g	0.254					
THC-Total per 8g	20.2		mg/8g	0.477					

Microbiology							
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2402583	04/07/24 AOAC 990.12 (Petrifilm)	
E.coli	< LOQ		cfu/g	10	2402581	04/07/24 AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ		cfu/g	10	2402581	04/07/24 AOAC 991.14 (Petrifilm)	
Staphylococcus aureus	< LOQ		cfu/g	10	2402586	04/06/24 AOAC 2003.07	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2402582	04/08/24 AOAC 2014.05 (RAPID)	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2402582	04/08/24 AOAC 2014.05 (RAPID)	
Listeria spp.	Negative	/5g			2402589	04/06/24 AOAC 2019.10	
Salmonella spp. by PCR*	Negative	/5g			2402587	04/06/24 AOAC 2020.02 ^b	
EHEC including STEC*	Negative	/5g			2402588	04/06/24 AOAC RI 121806 ^b	



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Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic*	< LOQ		mg/kg	0.0141	2402679	04/08/24 AOAC 2013.06 (mod.) ^P		
Cadmium*	< LOQ		mg/kg	0.0141	2402679	04/08/24 AOAC 2013.06 (mod.) ^P		
Lead*	< LOQ		mg/kg	0.0141	2402679	04/08/24 AOAC 2013.06 (mod.) ^P		
Mercury*	< LOQ		mg/kg	0.00705	2402679	04/08/24 AOAC 2013.06 (mod.) ^P		

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B1	< LOQ		µg/kg	5.00	2402724	04/10/24 AOAC 2007.01 & EN 15662 (mod) ^P		
Aflatoxin B2	< LOQ		µg/kg	5.00	2402724	04/10/24 AOAC 2007.01 & EN 15662 (mod) ^P		
Aflatoxin G1	< LOQ		µg/kg	5.00	2402724	04/10/24 AOAC 2007.01 & EN 15662 (mod) ^P		
Aflatoxin G2	< LOQ		µg/kg	5.00	2402724	04/10/24 AOAC 2007.01 & EN 15662 (mod) ^P		
Ochratoxin A	< LOQ		µg/kg	5.00	2402724	04/10/24 AOAC 2007.01 & EN 15662 (mod) ^P		
Total Aflatoxins	0.000		µg/kg	20.0		04/11/24 AOAC 2007.01 & EN 15662 (mod) ^P		



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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.

Ⓐ = ISO/IEC 17025:2017 accredited method.

Ⓜ = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram

g = g

µg/kg = Micrograms per kilogram = parts per billion (ppb)

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/8g = Milligram per 8g

/5g = Per 5 grams

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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**Hemp & Cannabis
Chain of Custody**

ORELAP ID: **OR1000028** ANAB ISO 17025 ID: **AT1508**

			Project Details Turnaround Time: <u>5 Business Days Reg. For Micro Testing Standard</u> Relinquishment Sampling, Courier & Shipping Options: <u>By Shipping Service (USPS, UPS, Fedex)</u> Compliance: <u>Research and Development (RND)</u> Receipt Information Pre-Log Storage: Canna Shelves Sample Condition: Satisfactory			H001E - Cannabis Heavy Metals Profile OR	H004Z - Aflatoxins-Ochratoxin OLCC	H000U - Micro Profile X	H001W - Potency Cannabis (Basic)	
#	Sample Name	Material	METRC ID	Amount Provided	Reporting Unit	Serving Size				
1	Live Delta 9 Knockout Gummy- Huckleberry	Cannabinoid Edible	3009NC-040424	24 g	mg/serving	8 g	✓	✓	✓	✓

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	
<i>Eve Parker</i>	<i>04/03/2024</i>	<i>12:01</i>	<i>evm</i>	<i>04/04/2024</i>	<i>11:02</i>	<i>17.10</i>	<i>No</i>

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the [current terms of services](#) associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

Columbia Laboratories
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Portland, OR 97230

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Revision: 4 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2402637

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0327	0.0324	%	101	80.0	- 120	Acceptable	
CBDV	2	0.0342	0.0346	%	98.8	80.0	- 120	Acceptable	
CBE	2	0.0348	0.0348	%	99.8	80.0	- 120	Acceptable	
CBDA	1	0.0325	0.0319	%	102	90.0	- 110	Acceptable	
CBGA	1	0.0322	0.0316	%	102	80.0	- 120	Acceptable	
CBG	1	0.0369	0.0366	%	101	80.0	- 120	Acceptable	
CBD	1	0.0360	0.0355	%	101	90.0	- 110	Acceptable	
THCV	2	0.0357	0.0356	%	100	80.0	- 120	Acceptable	
d8THCV	2	0.0224	0.0226	%	98.9	80.0	- 120	Acceptable	
THCVA	2	0.0319	0.0317	%	100	80.0	- 120	Acceptable	
CBN	1	0.0338	0.0334	%	101	80.0	- 120	Acceptable	
exo-THC	2	0.0353	0.0355	%	99.2	80.0	- 120	Acceptable	
d9THC	1	0.0360	0.0355	%	102	90.0	- 110	Acceptable	
d8THC	1	0.0334	0.0339	%	98.5	90.0	- 110	Acceptable	
9S-d10THC	1	0.0331	0.0333	%	99.3	80.0	- 120	Acceptable	
CBL	2	0.0343	0.0352	%	97.4	80.0	- 120	Acceptable	
9R-d10THC	1	0.0319	0.0326	%	98.0	80.0	- 120	Acceptable	
CBC	2	0.0348	0.0353	%	98.5	80.0	- 120	Acceptable	
THCA	1	0.0332	0.0320	%	104	90.0	- 110	Acceptable	
CBCA	2	0.0324	0.0327	%	99.2	80.0	- 120	Acceptable	
CBLA	2	0.0346	0.0345	%	100	80.0	- 120	Acceptable	
d9THCP	2	0.0320	0.0330	%	97.0	80.0	- 120	Acceptable	
CBT	2	0.0328	0.0349	%	94.0	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00321	%	< 0.00321	Acceptable	
CBDV	<LOQ	0.00321	%	< 0.00321	Acceptable	
CBE	<LOQ	0.00321	%	< 0.00321	Acceptable	
CBDA	<LOQ	0.00321	%	< 0.00321	Acceptable	
CBGA	<LOQ	0.00321	%	< 0.00321	Acceptable	
CBG	<LOQ	0.00321	%	< 0.00321	Acceptable	
CBD	<LOQ	0.00321	%	< 0.00321	Acceptable	
THCV	<LOQ	0.00321	%	< 0.00321	Acceptable	
d8THCV	<LOQ	0.00321	%	< 0.00321	Acceptable	
THCVA	<LOQ	0.00321	%	< 0.00321	Acceptable	
CBN	<LOQ	0.00321	%	< 0.00321	Acceptable	
exo-THC	<LOQ	0.00321	%	< 0.00321	Acceptable	
d9THC	<LOQ	0.00321	%	< 0.00321	Acceptable	
d8THC	<LOQ	0.00321	%	< 0.00321	Acceptable	
9S-d10THC	<LOQ	0.00321	%	< 0.00321	Acceptable	
CBL	<LOQ	0.00321	%	< 0.00321	Acceptable	
9R-d10THC	<LOQ	0.00321	%	< 0.00321	Acceptable	
CBC	<LOQ	0.00321	%	< 0.00321	Acceptable	
THCA	<LOQ	0.00321	%	< 0.00321	Acceptable	
CBCA	<LOQ	0.00321	%	< 0.00321	Acceptable	
CBLA	<LOQ	0.00321	%	< 0.00321	Acceptable	
d9THCP	<LOQ	0.00321	%	< 0.00321	Acceptable	
CBT	<LOQ	0.00321	%	< 0.00321	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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Revision: 4 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2402637						
Sample Duplicate		Sample ID: 24-003644-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
CBG	0.0156	0.0155	0.00320	%	1.15	< 20	Acceptable	
CBD	0.610	0.606	0.00320	%	0.576	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00320	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00320	%	NA	< 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.