



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



Report Number: 24-007008/D001.R001
Report Date: 07/08/2024
ORELAP#: OR100028
Purchase Order:
Received: 06/27/24 10:52

This is an amended version of report# 24-007008/D001.R000.

Reason: updated serving size

Customer: Utokia Herb Co
Product identity: Live Delta 9 Apple

Client/Metric ID: Utokia
Laboratory ID: 24-007008-0001

Summary

Potency:

Analyte per 8g	Result	Limits	Units	Status	
					Delta-9-THC-Total per 19.1 mg/8g
CBD-A per 8g	1.62		mg/8g		
CBG per 8g	0.436		mg/8g		
Δ9-THC per 8g	19.1		mg/8g		CBD-Total per Serving Size 1.42 mg/8g
Δ9-THCP per 8g	0.000		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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Customer: Utokia Herb Co

Product identity: Live Delta 9 Apple

Client/Metric ID: Utokia

Sample Date:

Laboratory ID: 24-007008-0001

Evidence of Cooling: No

Temp: 21.4 °C

Serving Size #1: 8 g

Sample Results

Potency per 8g		Method: J AOAC 2015 V98-6 (mod) ^b		Units mg/se	Batch: 2404936	Analyze: 6/28/24 6:04:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
CBD per 8g	< LOQ		mg/8g	0.111		
CBD-A per 8g [±]	1.62		mg/8g	0.254		
CBD-Total per 8g [±]	1.42		mg/8g	0.476		
CBG per 8g	0.436		mg/8g	0.254		
CBG-A per 8g	< LOQ		mg/8g	0.111		
CBG-Total per 8g	< LOQ		mg/8g	0.473		
CBN per 8g	< LOQ		mg/8g	0.111		
Δ10-THC-9R per 8g	< LOQ		mg/8g	0.111		
Δ10-THC-9S per 8g	< LOQ		mg/8g	0.111		
Δ10-THC-Total per 8g	< LOQ		mg/8g	0.222		
Δ8-THC per 8g [±]	< LOQ		mg/8g	0.111		
Δ9-THC per 8g [±]	19.1		mg/8g	0.254		
Δ9-THC-Total per 8g	19.1		mg/8g	0.476		
Δ9-THCP per 8g	0.000		mg/8g	0.000		
THC-A per 8g [±]	< LOQ		mg/8g	0.111		



Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2404883	06/30/24 AOAC 990.12 (Petrifilm)		
E.coli	< LOQ		cfu/g	10	2404881	06/30/24 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2404881	06/30/24 AOAC 991.14 (Petrifilm)		
Staphylococcus aureus	< LOQ		cfu/g	10	2404885	06/29/24 AOAC 2003.07		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2404882	07/01/24 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2404882	07/01/24 AOAC 2014.05 (RAPID)		
Listeria spp.	Negative		/25g		2404888	06/29/24 AOAC 2019.10		
Salmonella spp. by PCR [⊥]	Negative		/25g		2404886	06/29/24 AOAC 2020.02 ^b		
EHEC including STEC [⊥]	Negative		/25g		2404887	06/29/24 AOAC RI 121806 ^b		

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic [⊥]	< LOQ	0.200	mg/kg	0.0173	2404997	07/02/24 AOAC 2013.06 (mod.) ^b	pass	
Cadmium [⊥]	< LOQ	0.200	mg/kg	0.0173	2404997	07/02/24 AOAC 2013.06 (mod.) ^b	pass	
Lead [⊥]	< LOQ	0.500	mg/kg	0.0173	2404997	07/02/24 AOAC 2013.06 (mod.) ^b	pass	
Mercury [⊥]	< LOQ	0.100	mg/kg	0.00864	2404997	07/02/24 AOAC 2013.06 (mod.) ^b	pass	

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B1 [⊥]	< LOQ		µg/kg	5.00	2404978	07/02/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin B2 [⊥]	< LOQ		µg/kg	5.00	2404978	07/02/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G1 [⊥]	< LOQ		µg/kg	5.00	2404978	07/02/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G2 [⊥]	< LOQ		µg/kg	5.00	2404978	07/02/24 AOAC 2007.01 & EN 15662 (mod)		
Ochratoxin A [⊥]	< LOQ	20.0	µg/kg	5.00	2404978	07/02/24 AOAC 2007.01 & EN 15662 (mod)	pass	
Total Aflatoxins	< LOQ	20.0	µg/kg	20.0		07/03/24 AOAC 2007.01 & EN 15662 (mod) ^b	pass	



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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.

[⊥] = TNI accredited analyte.

Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

g = Gram

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

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

mg/8g = Milligram per 8g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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Columbia Laboratories
12423 NE Whitaker Way
Portland, OR 97230

P: (503) 254-1794
info@columbialaboratories.com



JAOAC2015 V986 Batch ID: 0

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	%Rec	Limits	Evaluation	Notes
CBDVA	2	0.0313	0.0311	%	101	80.0 - 120	Acceptable	
CBDV	2	0.0305	0.0314	%	97.2	80.0 - 120	Acceptable	
CBE	2	0.0309	0.0311	%	99.4	80.0 - 120	Acceptable	
CBDA	1	0.0301	0.0302	%	99.6	90.0 - 110	Acceptable	
CBGA	1	0.0297	0.0299	%	99.2	80.0 - 120	Acceptable	
CBG	1	0.0286	0.0294	%	97.3	80.0 - 120	Acceptable	
CBD	1	0.0306	0.0318	%	96.1	90.0 - 110	Acceptable	
THCV	2	0.0327	0.0332	%	98.6	80.0 - 120	Acceptable	
d8THCV	2	0.0333	0.0336	%	99.1	80.0 - 120	Acceptable	
THCVA	2	0.0307	0.0305	%	101	80.0 - 120	Acceptable	
CBN	1	0.0286	0.0299	%	95.4	80.0 - 120	Acceptable	
exo-THC	2	0.0263	0.0271	%	96.7	80.0 - 120	Acceptable	
d9THC	1	0.0295	0.0317	%	93.1	90.0 - 110	Acceptable	
d8THC	1	0.0279	0.0310	%	90.0	90.0 - 110	Acceptable	
9S-d10THC	1	0.0281	0.0311	%	90.3	80.0 - 120	Acceptable	
CBL	2	0.0292	0.0315	%	92.9	80.0 - 120	Acceptable	
9S-HHC	3	0.0280	0.0324	%	86.4	80.0 - 120	Acceptable	
9R-d10THC	1	0.0269	0.0333	%	80.9	80.0 - 120	Acceptable	
CBC	2	0.0308	0.0318	%	96.9	80.0 - 120	Acceptable	
9R-HHC	3	0.0282	0.0327	%	86.2	80.0 - 120	Acceptable	
THCA	1	0.0306	0.0299	%	102	90.0 - 110	Acceptable	
CBCA	2	0.0310	0.0320	%	96.8	80.0 - 120	Acceptable	
CBLA	2	0.0317	0.0321	%	98.7	80.0 - 120	Acceptable	
d9THCP	2	0.0293	0.0311	%	94.5	80.0 - 120	Acceptable	
d8THCO	3	0.0261	0.0319	%	81.7	80.0 - 120	Acceptable	
CBT	2	0.0284	0.0317	%	89.8	80.0 - 120	Acceptable	
d9THCO	3	0.0241	0.0298	%	80.8	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBDV	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBE	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBDA	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBGA	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBG	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBD	<LOQ	0.00322	%	< 0.00322	Acceptable	
THCV	<LOQ	0.00322	%	< 0.00322	Acceptable	
d8THCV	<LOQ	0.00322	%	< 0.00322	Acceptable	
THCVA	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBN	<LOQ	0.00322	%	< 0.00322	Acceptable	
exo-THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
d9THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
d8THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
9S-d10THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBL	<LOQ	0.00322	%	< 0.00322	Acceptable	
9S-HHC	<LOQ	0.00322	%	< 0.00322	Acceptable	
9R-d10THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBC	<LOQ	0.00322	%	< 0.00322	Acceptable	
9R-HHC	<LOQ	0.00322	%	< 0.00322	Acceptable	
THCA	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBCA	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBLA	<LOQ	0.00322	%	< 0.00322	Acceptable	
d9THCP	<LOQ	0.00322	%	< 0.00322	Acceptable	
d8THCO	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBT	<LOQ	0.00322	%	< 0.00322	Acceptable	
d9THCO	<LOQ	0.00322	%	< 0.00322	Acceptable	

Abbreviations

ND - None Detected at or above MRL



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Laboratory Quality Control Results

JAOAC2015 V986		Batch ID: 0						
Sample Duplicate		Sample ID: 24-0069896001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBN	0.0958	0.0971	0.00314	%	1.37	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
d9THC	0.175	0.177	0.00314	%	1.28	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
9S-HHC	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
9R-HHC	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
d8THCO	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00314	%	NA	< 20	Acceptable	
d9THCO	<LOQ	<LOQ	0.00314	%	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.