



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



**Report Number:** 24-008816/D001.R000  
**Report Date:** 08/19/2024  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 08/13/24 10:05

**Customer:** Utokia Herb Co  
**Product identity:** Salted Caramel  
**Client/Metric ID:** Utokia  
**Laboratory ID:** 24-008816-0001

### Summary

**Potency:**

Analyte per 18g	Result	Limits	Units	Status	
CBD per 18g	1.76		mg/18g		Delta-9-THC-Total per 38.3 mg/18g
CBD-A per 18g	1.98		mg/18g		
CBG per 18g	1.77		mg/18g		CBD-Total per Serving Size 3.50 mg/18g
CBN per 18g	0.976		mg/18g		(Reported in milligrams per serving)
Δ9-THC per 18g	38.3		mg/18g		

**Metals:**

*Less than LOQ for all analytes.*

**Microbiology:**

*Less than LOQ for all analytes.*



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**Customer:** Utokia Herb Co

**Product identity:** Salted Caramel  
**Client/Metric ID:** Utokia Herb Co  
**Sample Date:**  
**Laboratory ID:** 24-008816-0001  
**Evidence of Cooling:** No  
**Temp:** 23.8 °C  
**Relinquished by:** Client  
**Lot #:** 5004SH-070324  
**Serving Size #1:** 18 g

### Sample Results

Potency per 18g	Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>	Units mg/se	Batch: 2406185	Analyze: 8/14/24 5:19:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 18g	1.76		mg/18g	0.569	
CBD-A per 18g <sup>±</sup>	1.98		mg/18g	0.569	
CBD-Total per 18g <sup>±</sup>	3.50		mg/18g	1.07	
CBG per 18g	1.77		mg/18g	0.569	
CBG-A per 18g	< LOQ		mg/18g	0.569	
CBG-Total per 18g	1.77		mg/18g	1.06	
CBN per 18g	0.976		mg/18g	0.569	
Δ10-THC-9R per 18g	< LOQ		mg/18g	0.569	
Δ10-THC-9S per 18g	< LOQ		mg/18g	0.569	
Δ10-THC-Total per 18g	< LOQ		mg/18g	1.14	
Δ8-THC per 18g <sup>±</sup>	< LOQ		mg/18g	0.569	
Δ9-THC per 18g <sup>±</sup>	38.3		mg/18g	0.569	
Δ9-THC-Total per 18g	38.3		mg/18g	1.07	
THC-A per 18g <sup>±</sup>	< LOQ		mg/18g	0.569	

Microbiology							
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2406149	08/16/24 AOAC 990.12 (Petrifilm)	
E.coli	< LOQ		cfu/g	10	2406147	08/16/24 AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ		cfu/g	10	2406147	08/16/24 AOAC 991.14 (Petrifilm)	
Staphylococcus aureus	< LOQ		cfu/g	10	2406151	08/15/24 AOAC 2003.07	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2406148	08/17/24 AOAC 2014.05 (RAPID)	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2406148	08/17/24 AOAC 2014.05 (RAPID)	
Listeria spp.	Negative		/g		2406155	08/15/24 AOAC 2019.10	
Salmonella spp. by PCR <sup>±</sup>	Negative		/g		2406152	08/15/24 AOAC 2020.02 <sup>b</sup>	
EHEC including STEC <sup>±</sup>	Negative		/g		2406153	08/15/24 AOAC RI 121806 <sup>b</sup>	



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**Metals**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic <sup>±</sup>	< LOQ	0.200	mg/kg	0.0174	2406193	08/15/24 AOAC 2013.06 (mod.) <sup>Ⓟ</sup>	pass	
Cadmium <sup>±</sup>	< LOQ	0.200	mg/kg	0.0174	2406193	08/15/24 AOAC 2013.06 (mod.) <sup>Ⓟ</sup>	pass	
Lead <sup>±</sup>	< LOQ	0.500	mg/kg	0.0174	2406193	08/15/24 AOAC 2013.06 (mod.) <sup>Ⓟ</sup>	pass	
Mercury <sup>±</sup>	< LOQ	0.100	mg/kg	0.00871	2406193	08/15/24 AOAC 2013.06 (mod.) <sup>Ⓟ</sup>	pass	

**Mycotoxins**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B1 <sup>±</sup>	< LOQ		µg/kg	5.00	2406194	08/15/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin B2 <sup>±</sup>	< LOQ		µg/kg	5.00	2406194	08/15/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G1 <sup>±</sup>	< LOQ		µg/kg	5.00	2406194	08/15/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G2 <sup>±</sup>	< LOQ		µg/kg	5.00	2406194	08/15/24 AOAC 2007.01 & EN 15662 (mod)		
Ochratoxin A <sup>±</sup>	< LOQ	20.0	µg/kg	5.00	2406194	08/15/24 AOAC 2007.01 & EN 15662 (mod)	pass	
Total Aflatoxins	< LOQ	20.0	µg/kg	20.0		08/19/24 AOAC 2007.01 & EN 15662 (mod) <sup>Ⓟ</sup>	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.

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

<sup>⊥</sup> = TNI accredited analyte.

**Units of Measure**

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/18g = Milligram per 18g

/g = Per gram

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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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: 2406185**

Laboratory Control Sample										
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes	
CBDVA	2	0.0302	0.0312	%	96.8	80.0	- 120	Acceptable		
CBDV	2	0.0324	0.0338	%	96.0	80.0	- 120	Acceptable		
CBE	2	0.0308	0.0322	%	95.5	80.0	- 120	Acceptable		
CBDA	1	0.0290	0.0303	%	95.6	90.0	- 110	Acceptable		
CBGA	1	0.0291	0.0302	%	96.4	80.0	- 120	Acceptable		
CBG	1	0.0328	0.0344	%	95.2	80.0	- 120	Acceptable		
CBD	1	0.0332	0.0349	%	95.1	90.0	- 110	Acceptable		
THCV	2	0.0329	0.0347	%	94.9	80.0	- 120	Acceptable		
d8THCV	2	0.0324	0.0341	%	94.9	80.0	- 120	Acceptable		
THCVA	2	0.0299	0.0310	%	96.6	80.0	- 120	Acceptable		
CBN	1	0.0317	0.0336	%	94.4	80.0	- 120	Acceptable		
exo-THC	2	0.0273	0.0292	%	93.7	80.0	- 120	Acceptable		
d9THC	1	0.0331	0.0353	%	93.8	90.0	- 110	Acceptable		
d8THC	1	0.0234	0.0252	%	93.1	90.0	- 110	Acceptable		
9S-d10THC	1	0.0294	0.0317	%	92.8	80.0	- 120	Acceptable		
CBL	2	0.0307	0.0337	%	91.2	80.0	- 120	Acceptable		
9R-d10THC	1	0.0286	0.0312	%	91.8	80.0	- 120	Acceptable		
CBC	2	0.0291	0.0312	%	93.1	80.0	- 120	Acceptable		
THCA	1	0.0303	0.0305	%	99.5	90.0	- 110	Acceptable		
CBCA	2	0.0300	0.0316	%	95.0	80.0	- 120	Acceptable		
CBLA	2	0.0296	0.0308	%	96.0	80.0	- 120	Acceptable		
d9THCP	2	0.0291	0.0318	%	91.6	80.0	- 120	Acceptable		
CBT	2	0.0293	0.0337	%	86.8	80.0	- 120	Acceptable		

**Method Blank**

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes	
CBDVA	<LOQ	0.00323	%	< 0.00323	Acceptable		
CBDV	<LOQ	0.00323	%	< 0.00323	Acceptable		
CBE	<LOQ	0.00323	%	< 0.00323	Acceptable		
CBDA	<LOQ	0.00323	%	< 0.00323	Acceptable		
CBGA	<LOQ	0.00323	%	< 0.00323	Acceptable		
CBG	<LOQ	0.00323	%	< 0.00323	Acceptable		
CBD	<LOQ	0.00323	%	< 0.00323	Acceptable		
THCV	<LOQ	0.00323	%	< 0.00323	Acceptable		
d8THCV	<LOQ	0.00323	%	< 0.00323	Acceptable		
THCVA	<LOQ	0.00323	%	< 0.00323	Acceptable		
CBN	<LOQ	0.00323	%	< 0.00323	Acceptable		
exo-THC	<LOQ	0.00323	%	< 0.00323	Acceptable		
d9THC	<LOQ	0.00323	%	< 0.00323	Acceptable		
d8THC	<LOQ	0.00323	%	< 0.00323	Acceptable		
9S-d10THC	<LOQ	0.00323	%	< 0.00323	Acceptable		
CBL	<LOQ	0.00323	%	< 0.00323	Acceptable		
9R-d10THC	<LOQ	0.00323	%	< 0.00323	Acceptable		
CBC	<LOQ	0.00323	%	< 0.00323	Acceptable		
THCA	<LOQ	0.00323	%	< 0.00323	Acceptable		
CBCA	<LOQ	0.00323	%	< 0.00323	Acceptable		
CBLA	<LOQ	0.00323	%	< 0.00323	Acceptable		
d9THCP	<LOQ	0.00323	%	< 0.00323	Acceptable		
CBT	<LOQ	0.00323	%	< 0.00323	Acceptable		

**Abbreviations**

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

**Units of Measure:**

% - Percent



**Laboratory Quality Control Results**

AOAC 2015 V98-6		Batch ID: 2406185						
Sample Duplicate		Sample ID: 24-008796-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
CBG	0.0149	0.0150	0.00316	%	0.212	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
THCV	0.00589	0.00598	0.00316	%	1.47	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
CBN	0.00537	0.00530	0.00316	%	1.17	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
d9THC	0.528	0.525	0.00316	%	0.576	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
CBC	0.0100	0.0100	0.00316	%	0.0540	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00316	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00316	%	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.



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