



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



Report Number: 24-011635/D001.R000
Report Date: 10/23/2024
ORELAP#: OR100028
Purchase Order:
Received: 10/15/24 12:49

Customer: Utokia Herb Co
Product identity: Active Strawberry Rhubarb Gummy .
Client/Metric ID:
Laboratory ID:

Summary

Potency:

Analyte per 8g	Result	Limits	Units	Status	
CBD-A per 8g	1.74		mg/8g		Delta-9-THC-Total per 20.2 mg/8g
CBDV-A per 8g	0.710		mg/8g		
CBG per 8g	11.5		mg/8g		CBD-Total per Serving Size 1.53 mg/8g
CBN per 8g	0.992		mg/8g		(Reported in milligrams per serving)
Δ9-THC per 8g	20.2		mg/8g		

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



Product identity: Active Strawberry Rhubarb Gummy .
Client/Metric ID:
Sample Date: 24-011635-0001
Laboratory ID: No
Evidence of Cooling: 21.1 °C
Temp: 3029NC_100924
Lot #: 8 g
Serving Size #1:

Sample Results

Potency per 8g	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2408069	Analyze: 10/16/24 7:28:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 8g	< LOQ		mg/8g	0.255	
CBC-A per 8g	< LOQ		mg/8g	0.255	
CBC-Total per 8g	< LOQ		mg/8g	0.479	
CBD per 8g	< LOQ		mg/8g	0.255	
CBD-A per 8g [±]	1.74		mg/8g	0.255	
CBD-Total per 8g [±]	1.53		mg/8g	0.479	
CBDV per 8g	< LOQ		mg/8g	0.255	
CBDV-A per 8g	0.710		mg/8g	0.255	
CBDV-Total per 8g	0.616		mg/8g	0.477	
CBE per 8g	< LOQ		mg/8g	0.255	
CBG per 8g	11.5		mg/8g	0.255	
CBG-A per 8g	< LOQ		mg/8g	0.255	
CBG-Total per 8g	11.5		mg/8g	0.477	
CBL per 8g	< LOQ		mg/8g	0.255	
CBL-A per 8g	< LOQ		mg/8g	0.255	
CBL-Total per 8g	< LOQ		mg/8g	0.479	
CBN per 8g	0.992		mg/8g	0.255	
CBT per 8g	< LOQ		mg/8g	0.255	
Δ10-THC-9R per 8g	< LOQ		mg/8g	0.255	
Δ10-THC-9S per 8g	< LOQ		mg/8g	0.255	
Δ10-THC-Total per 8g	< LOQ		mg/8g	0.511	
Δ8-THC per 8g [±]	< LOQ		mg/8g	0.255	
Δ8-THCV per 8g	< LOQ		mg/8g	0.255	
Δ9-THC per 8g [±]	20.2		mg/8g	0.255	
Δ9-THC-Total per 8g	20.2		mg/8g	0.479	
Δ9-THCP per 8g	< LOQ		mg/8g	0.255	
Δ9-THCV per 8g	< LOQ		mg/8g	0.255	
Δ9-THCV-A per 8g	< LOQ		mg/8g	0.255	
Δ9-THCV-Total per 8g	< LOQ		mg/8g	0.479	



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Potency per 8g **Method:** J AOAC 2015 V98-6 (mod)^b **Units** mg/se **Batch:** 2408069 **Analyze:** 10/16/24 7:28:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
exo-THC per 8g	< LOQ		mg/8g	0.255	
THC-A per 8g [±]	< LOQ		mg/8g	0.255	
Total Cannabinoids per 8g	35.1		mg/8g		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2408023	10/18/24 AOAC 990.12 (Petrifilm)		
E.coli	< LOQ		cfu/g	10	2408021	10/18/24 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2408021	10/18/24 AOAC 991.14 (Petrifilm)		
Staphylococcus aureus	< LOQ		cfu/g	10	2408025	10/17/24 AOAC 2003.07		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2408022	10/19/24 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2408022	10/19/24 AOAC 2014.05 (RAPID)		
Listeria spp.	Negative	/5g			2408029	10/17/24 AOAC 2019.10		
Salmonella spp. [±]	Negative	/5g			2408026	10/17/24 AOAC 2020.02 ^b		
EHEC including STEC [±]	Negative	/5g			2408027	10/17/24 AOAC RI 121806 ^b		

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic [±]	< LOQ	0.200	mg/kg	0.0199	2408102	10/17/24 AOAC 2013.06 (mod.) ^b	pass	
Cadmium [±]	< LOQ	0.200	mg/kg	0.0199	2408102	10/17/24 AOAC 2013.06 (mod.) ^b	pass	
Lead [±]	< LOQ	0.500	mg/kg	0.0199	2408102	10/17/24 AOAC 2013.06 (mod.) ^b	pass	
Mercury [±]	< LOQ	0.100	mg/kg	0.00995	2408102	10/17/24 AOAC 2013.06 (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

cfu/g = Colony forming units per gram

g = Gram

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

mg/8g = Milligram per 8g

/5g = Per 5 grams

% = Percentage of sample

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

Approved Signatory

Derrick Tanner
General Manager



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Hemp & Cannabis
 Chain of Custody

				Testing		
Project Details Turnaround Time: <u>2 Business Days</u> Surcharges Apply Relinquishment Sampling, Courier & Shipping Options: <u>By Shipping Service (USPS, UPS, Fedex)</u> Receipt Information Sample Condition: Satisfactory				H0013 - Cannabis Heavy Metals Pro	le OR	
				H0010 - Potency Cannabis (Basic+Expanded)		
				M8000 - Micro Pro	le X	
#	Sample Name	Material	Amount Provided	Reporting Unit		
1	3029NC_100924	Cannabinoid Edible	5 each	mg/g	✓	✓
2	3616NC_100924	Cannabinoid Edible	5 each	mg/g	✓	✓

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Sarra Schuch</i>	<i>10/10/2024</i>	<i>11:20</i>	<i>rbt</i>	<i>10/15/2024</i>	<i>12:49</i>	<i>21.10</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
 12423 NE Whitaker Way
 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: 2408069**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0324	0.0316	%	103	80.0 - 120	Acceptable	
CBDV	2	0.0322	0.0313	%	103	80.0 - 120	Acceptable	
CBE	2	0.0153	0.0149	%	103	80.0 - 120	Acceptable	
CBDA	1	0.00364	0.00362	%	100	90.0 - 110	Acceptable	
CBGA	1	0.00349	0.00347	%	100	80.0 - 120	Acceptable	
CBG	1	0.00344	0.00320	%	107	80.0 - 120	Acceptable	
CBD	1	0.00327	0.00328	%	99.7	90.0 - 110	Acceptable	
THCV	2	0.0347	0.0343	%	101	80.0 - 120	Acceptable	
d8THCV	2	0.0352	0.0348	%	101	80.0 - 120	Acceptable	
THCVA	2	0.0320	0.0309	%	104	80.0 - 120	Acceptable	
CBN	1	0.00321	0.00333	%	96.3	80.0 - 120	Acceptable	
exo-THC	2	0.0304	0.0310	%	98.2	80.0 - 120	Acceptable	
d9THC	1	0.00317	0.00319	%	99.6	90.0 - 110	Acceptable	
d8THC	1	0.00325	0.00345	%	94.3	90.0 - 110	Acceptable	
9S-d10THC	1	0.00331	0.00348	%	95.2	80.0 - 120	Acceptable	
CBL	2	0.0296	0.0314	%	94.3	80.0 - 120	Acceptable	
9R-d10THC	1	0.00336	0.00357	%	94.0	80.0 - 120	Acceptable	
CBC	2	0.0326	0.0340	%	96.1	80.0 - 120	Acceptable	
THCA	1	0.00362	0.00352	%	103	90.0 - 110	Acceptable	
CBCA	2	0.0341	0.0324	%	105	80.0 - 120	Acceptable	
CBLA	2	0.0308	0.0303	%	102	80.0 - 120	Acceptable	
d9THCP	2	0.0283	0.0320	%	88.3	80.0 - 120	Acceptable	
CBT	2	0.0289	0.0333	%	86.8	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBDV	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBE	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBDA	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBGA	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBG	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBD	<LOQ	0.00307	%	< 0.00307	Acceptable	
THCV	<LOQ	0.00307	%	< 0.00307	Acceptable	
d8THCV	<LOQ	0.00307	%	< 0.00307	Acceptable	
THCVA	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBN	<LOQ	0.00307	%	< 0.00307	Acceptable	
exo-THC	<LOQ	0.00307	%	< 0.00307	Acceptable	
d9THC	<LOQ	0.00307	%	< 0.00307	Acceptable	
d8THC	<LOQ	0.00307	%	< 0.00307	Acceptable	
9S-d10THC	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBL	<LOQ	0.00307	%	< 0.00307	Acceptable	
9R-d10THC	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBC	<LOQ	0.00307	%	< 0.00307	Acceptable	
THCA	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBCA	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBLA	<LOQ	0.00307	%	< 0.00307	Acceptable	
d9THCP	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBT	<LOQ	0.00307	%	< 0.00307	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: 2408069						
Sample Duplicate		Sample ID: 24-011601-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBG	0.00603	0.00597	0.00311	%	1.03	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
THCV	0.00423	0.00433	0.00311	%	2.37	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBN	0.0116	0.0117	0.00311	%	0.322	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
d9THC	0.293	0.296	0.00311	%	0.945	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBC	0.00512	0.00512	0.00311	%	0.103	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	

Abbreviations

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

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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.