Columbia
LABORATORIES
A Tentamus Company

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

Customer: Brothers Apothecary
Product identity: Peppermint Treat 1.1
Client/Metrc ID: .
Laboratory ID: 24-003017-0004

Summary

Potency:

Analyte per 8g	Result	Limits	Units	Status		
CBD per 8g	40.6		mg/8g		CBD-Total per Serving Size	40.6 mg/8g
					THC-Total per Serving Size	<LOQ
					(Reported in milligrams per serving)	

REPORT Number:	24-003017/D004.R000
Report Date:	03/26/2024
ORELAP#:	OR100028
Purchase Order:	
Received:	03/19/24 11:45

Customer: Brothers Apothecary
3423 SE18th Ave
Portland OR, 97202
United States of America (USA)

Product identity: Peppermint Treat 1.1
Client/Metrc ID: .
Sample Date:
Laboratory ID: 24-003017-0004
Evidence of Cooling: No
Temp: 18.3 °C
Relinquished by: client
Serving Size #1: 8 g

Sample Results

Potency per 8g	**Method:** J AOAC 2015 V98-6 (mod)		**Units** mg/se **Batch:** 2402246		**Analyze:** 3/21/24 9:30:00 PM	
Analyte	**Result**	**Limits**	**Units**	**LOQ**	**Notes**	
CBD per 8g	40.6		mg/8g	0.246		
CBD-A per 8g⊥	< LOQ		mg/8g	0.246		
CBD-Total per 8g⊥	40.6		mg/8g	0.462		
CBG per 8g	< LOQ		mg/8g	0.246		
CBG-A per 8g	< LOQ		mg/8g	0.246		
CBG-Total per 8g	< LOQ		mg/8g	0.459		
CBN per 8g	< LOQ		mg/8g	0.246		
Δ10-THC-9R per 8g	< LOQ		mg/8g	0.246		
Δ10-THC-9S per 8g	< LOQ		mg/8g	0.246		
Δ10-THC-Total per 8g	< LOQ		mg/8g	0.492		
Δ8-THC per 8g⊥	< LOQ		mg/8g	0.246		
Δ9-THC per 8g⊥	< LOQ		mg/8g	0.246		
THC-A per 8g⊥	< LOQ		mg/8g	0.246		
THC-Total per 8g	< LOQ		mg/8g	0.462		
Total Cannabinoids per 8g	40.6		mg/8g			

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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.

þ = ISO/IEC 17025:2017 accredited method.

¥ = TNI accredited analyte.

Units of Measure

g = g

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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Hemp & Cannabis
Chain of Custody

The-Apothecary-1710863503

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

Testing

H0014 – Potency, Cannabis (Basic)

Company Details
Company: The Apothecary
Contact: Jesse Richardson
Street Address: 825 SE Madison St.
City, State, Zip: Portland, OR 97214
Email: jesse@brotherstea.com
Contact Phone: 8186534634

Billing Information
Billing Email: jesse@brotherstea.com

Project Details
Turnaround Time: 5 Business Days | Req. For Micro Testing | Standard
Relinquishment | Sampling, Courier & Shipping Options: Drop Off at Laboratory
Compliance: Research and Development (RND)
License Type: ODA
License #: AG-R1090672 | HH
Project Name / ID: COL-BR-17
Cannabis Type (select if applicable): Industrial

Receipt Information
Pre-Log Storage: Canna Shelves
Sample Condition: Satisfactory

#	Sample Name	Material	Amount Provided	Reporting Unit	Serving Size	Additional Test Requests and Sample Comments	
1	Horchaga 1.1	Cannabinoid Edible	8 g	mg/g & mg/serving	8 g	N/A	✓
2	Lover's Latte 1.1	Cannabinoid Edible	8 g	mg/g & mg/serving	8 g	N/A	✓
3	Matcha 1.1	Cannabinoid Edible	2 g	mg/g & mg/serving	2 g	N/A	✓
4	Peppermint Treat 1.1	Cannabinoid Edible	8 g	mg/g & mg/serving	8 g	N/A	✓
5	Spiced Cacao 1.1	Cannabinoid Edible	8 g	mg/g & mg/serving	8 g	N/A	✓
6	Golden Milk 1.1	Cannabinoid Edible	8 g	mg/g & mg/serving	8 g	N/A	✓

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
Jesse Richardson	03/19/2024	08:51	cmt	03/19/2024	09:31	18.30	No

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
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Laboratory Quality Control Results

J AOAC 2015 V98-6 — Batch ID: 2402246

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits			Evaluation	Notes
CBDVA	2	0.0318	0.0324	%	98.4	80.0	-	120	Acceptable	
CBDV	2	0.0337	0.0352	%	95.8	80.0	-	120	Acceptable	
CBE	2	0.0346	0.0359	%	96.4	80.0	-	120	Acceptable	
CBDA	1	0.0319	0.0319	%	100	90.0	-	110	Acceptable	
CBGA	1	0.0317	0.0316	%	100	80.0	-	120	Acceptable	
CBG	1	0.0363	0.0366	%	99.2	80.0	-	120	Acceptable	
CBD	1	0.0353	0.0355	%	99.5	90.0	-	110	Acceptable	
THCV	2	0.0331	0.0345	%	95.9	80.0	-	120	Acceptable	
d8THCV	2	0.0289	0.0304	%	94.9	80.0	-	120	Acceptable	
THCVA	2	0.0314	0.0323	%	97.4	80.0	-	120	Acceptable	
CBN	1	0.0334	0.0334	%	100	80.0	-	120	Acceptable	
exo-THC	2	0.0311	0.0338	%	92.1	80.0	-	120	Acceptable	
d9THC	1	0.0358	0.0355	%	101	90.0	-	110	Acceptable	
d8THC	1	0.0330	0.0339	%	97.3	90.0	-	110	Acceptable	
9S-d10THC	1	0.0327	0.0333	%	98.2	80.0	-	120	Acceptable	
CBL	2	0.0315	0.0340	%	92.4	80.0	-	120	Acceptable	
9R-d10THC	1	0.0316	0.0326	%	97.0	80.0	-	120	Acceptable	
CBC	2	0.0313	0.0352	%	89.1	80.0	-	120	Acceptable	
THCA	1	0.0324	0.0320	%	101	90.0	-	110	Acceptable	
CBCA	2	0.0338	0.0346	%	97.6	80.0	-	120	Acceptable	
CBLA	2	0.0333	0.0344	%	96.7	80.0	-	120	Acceptable	
d9THCP	2	0.0277	0.0336	%	82.6	80.0	-	120	Acceptable	
CBT	2	0.0278	0.0348	%	80.1	80.0	-	120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00318	%	< 0.00318	Acceptable	
CBDV	<LOQ	0.00318	%	< 0.00318	Acceptable	
CBE	<LOQ	0.00318	%	< 0.00318	Acceptable	
CBDA	<LOQ	0.00318	%	< 0.00318	Acceptable	
CBGA	<LOQ	0.00318	%	< 0.00318	Acceptable	
CBG	<LOQ	0.00318	%	< 0.00318	Acceptable	
CBD	<LOQ	0.00318	%	< 0.00318	Acceptable	
THCV	<LOQ	0.00318	%	< 0.00318	Acceptable	
d8THCV	<LOQ	0.00318	%	< 0.00318	Acceptable	
THCVA	<LOQ	0.00318	%	< 0.00318	Acceptable	
CBN	<LOQ	0.00318	%	< 0.00318	Acceptable	
exo-THC	<LOQ	0.00318	%	< 0.00318	Acceptable	
d9THC	<LOQ	0.00318	%	< 0.00318	Acceptable	
d8THC	<LOQ	0.00318	%	< 0.00318	Acceptable	
9S-d10THC	<LOQ	0.00318	%	< 0.00318	Acceptable	
CBL	<LOQ	0.00318	%	< 0.00318	Acceptable	
9R-d10THC	<LOQ	0.00318	%	< 0.00318	Acceptable	
CBC	<LOQ	0.00318	%	< 0.00318	Acceptable	
THCA	<LOQ	0.00318	%	< 0.00318	Acceptable	
CBCA	<LOQ	0.00318	%	< 0.00318	Acceptable	
CBLA	<LOQ	0.00318	%	< 0.00318	Acceptable	
d9THCP	<LOQ	0.00318	%	< 0.00318	Acceptable	
CBT	<LOQ	0.00318	%	< 0.00318	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: 2402246		
Sample Duplicate						Sample ID: **24-002727-0001-02**		
Analyte	**Result**	**Org. Result**	**LOQ**	**Units**	**RPD**	**Limits**	**Evaluation**	**Notes**
CBDVA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBG	0.00536	0.00520	0.00324	%	2.95	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBN	0.00555	0.00550	0.00324	%	0.961	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
d9THC	0.256	0.254	0.00324	%	0.806	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

![Columbia Laboratories - A Tentamus Company logo]

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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	Quantitaion 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.