



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



**Report Number:** 24-003017/D005.R000  
**Report Date:** 03/26/2024  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/19/24 11:45

**Customer:** Brothers Apothecary  
**Product identity:** Spiced Cacao 1.1  
**Client/Metric ID:** .  
**Laboratory ID:** 24-003017-0005

### Summary

**Potency:**

Analyte per 8g	Result	Limits	Units	Status	
CBD per 8g	80.0		mg/8g		CBD-Total per Serving Size 80.0 mg/8g
					THC-Total per Serving Size <LOQ
					(Reported in milligrams per serving)



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

**Product identity:** Spiced Cacao 1.1

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 24-003017-0005

**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: 3/22/24 11:09:00 AM
Analyte	Result	Limits	Units	LOQ	Notes	
CBD per 8g	80.0		mg/8g	2.47		
CBD-A per 8g <sup>±</sup>	< LOQ		mg/8g	0.247		
CBD-Total per 8g <sup>±</sup>	80.0		mg/8g	2.68		
CBG per 8g	< LOQ		mg/8g	0.247		
CBG-A per 8g	< LOQ		mg/8g	0.247		
CBG-Total per 8g	< LOQ		mg/8g	0.461		
CBN per 8g	< LOQ		mg/8g	0.247		
Δ10-THC-9R per 8g	< LOQ		mg/8g	0.247		
Δ10-THC-9S per 8g	< LOQ		mg/8g	0.247		
Δ10-THC-Total per 8g	< LOQ		mg/8g	0.494		
Δ8-THC per 8g <sup>±</sup>	< LOQ		mg/8g	0.247		
Δ9-THC per 8g <sup>±</sup>	< LOQ		mg/8g	0.247		
THC-A per 8g <sup>±</sup>	< LOQ		mg/8g	0.247		
THC-Total per 8g	< LOQ		mg/8g	0.463		
Total Cannabinoids per 8g	80.0		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.

Ⓐ = 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**

Company Details			Project Details			Testing	
Company: <u>The Apothecary</u> Contact: <u>Jesse Richardson</u> Street Address: <u>825 SE Madison St.</u> City, State, Zip: <u>Portland, OR 97214</u> Email: <u>jesse@brotherstea.com</u> Contact Phone: <u>8186534634</u>  <b>Billing Information</b> Billing Email: <u>jesse@brotherstea.com</u>			<b>Turnaround Time:</b> <u>5 Business Days   Req. For Micro Testing   Standard</u> <b>Relinquishment   Sampling, Courier &amp; Shipping Options:</b> <u>Drop Off at Laboratory</u> <b>Compliance:</b> <u>Research and Development (RND)</u> <b>License Type:</b> <u>DDA</u> <b>License #:</b> <u>AG-R1090672   HH</u> <b>Project Name / ID:</b> <u>CDL-BR-17</u> <b>Cannabis Type (select if applicable):</b> <u>Industrial</u>  <b>Receipt Information</b> Pre-Log Storage: <u>Canna Shelves</u> Sample Condition: <u>Satisfactory</u>			H0014 - Potency Cannabis (Basic)	
#	Sample Name	Material	Amount Provided	Reporting Unit	Serving Size	Additional Test Requests and Sample Comments	Testing
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?
<i>Jesse Richardson</i>	<i>03/19/2024</i>	<i>08:51</i>	<i>ant</i>	<i>03/19/2024</i>	<i>09:31</i>	<i>18.30</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

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

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[www.columbialaboratories.com](http://www.columbialaboratories.com)



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

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	
CBD	<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



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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.