Columbia LABORATORIES
A Tentamus Company

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

Customer: Brothers Apothecary
Product identity: CBD Capsule 1.2
Client/Metrc ID: .
Laboratory ID: 24-001460-0004

Summary

Potency:

Analyte per 0.41g	Result	Limits	Units	Status
CBD per 0.41g	3.68		mg/0.41g	
CBD-A per 0.41g	2.27		mg/0.41g	
CBG per 0.41g	0.151		mg/0.41g	
CBG-A per 0.41g	0.0927		mg/0.41g	
Δ9-THC per 0.41g	0.228		mg/0.41g	
THC-A per 0.41g	0.0418		mg/0.41g	

CBD-Total per Serving Size	5.67 mg/0.41g
THC-Total per Serving Size	0.265 mg/0.41g

(Reported in milligrams per serving)

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REPORT NUMBER:	24-001460/D003.R000
Report Date:	02/14/2024
ORELAP#:	OR100028
Purchase Order:	
Received:	02/08/24 15:04

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

Product identity:	CBD Capsule 1.2
Client/Metrc ID:	.
Sample Date:	
Laboratory ID:	24-001460-0004
Evidence of Cooling:	No
Temp:	17.5
Relinquished by:	ramos
Serving Size #1:	0.41 g

Sample Results

Potency per 0.41g	**Method:** J AOAC 2015 V98-6 (mod)[b]		**Units** mg/se	**Batch:** 2401118	**Analyze:** 2/12/24 6:25:00 PM
Analyte	**Result**	**Limits**	**Units**	**LOQ**	**Notes**
CBD per 0.41g	3.68		mg/0.41g	0.0131	
CBD-A per 0.41g	2.27		mg/0.41g	0.0131	
CBD-Total per 0.41g	5.67		mg/0.41g	0.0247	
CBG per 0.41g	0.151		mg/0.41g	0.0131	
CBG-A per 0.41g	0.0927		mg/0.41g	0.0131	
CBG-Total per 0.41g	0.232		mg/0.41g	0.0245	
CBN per 0.41g	< LOQ		mg/0.41g	0.0131	
Δ10-THC-9R per 0.41g	< LOQ		mg/0.41g	0.0131	
Δ10-THC-9S per 0.41g	< LOQ		mg/0.41g	0.0131	
Δ10-THC-Total per 0.41g	< LOQ		mg/0.41g	0.0263	
Δ8-THC per 0.41g	< LOQ		mg/0.41g	0.0131	
Δ9-THC per 0.41g	0.228		mg/0.41g	0.0131	
THC-A per 0.41g	0.0418		mg/0.41g	0.0131	
THC-Total per 0.41g	0.265		mg/0.41g	0.0247	
Total Cannabinoids per 0.41g	6.46		mg/0.41g		

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.

Units of Measure

g = g

mg/0.41g = Milligram per 0.41g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

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Laboratory Quality Control Results

J AOAC 2015 V98-6 — **Batch ID: 0**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits			Evaluation	Notes
CBDVA	2	0.0312	0.0322	%	96.8	80.0	-	120	Acceptable	
CBDV	2	0.0281	0.0297	%	94.7	80.0	-	120	Acceptable	
CBE	2	0.0340	0.0356	%	95.7	80.0	-	120	Acceptable	
CBDA	1	0.0305	0.0306	%	99.7	90.0	-	110	Acceptable	
CBGA	1	0.0298	0.0303	%	98.2	80.0	-	120	Acceptable	
CBG	1	0.0319	0.0327	%	97.8	80.0	-	120	Acceptable	
CBD	1	0.0339	0.0335	%	101	90.0	-	110	Acceptable	
THCV	2	0.0318	0.0333	%	95.5	80.0	-	120	Acceptable	
d8THCV	2	0.0271	0.0283	%	96.0	80.0	-	120	Acceptable	
THCVA	2	0.0304	0.0315	%	96.5	80.0	-	120	Acceptable	
CBN	1	0.0288	0.0301	%	95.4	80.0	-	120	Acceptable	
exo-THC	2	0.0316	0.0335	%	94.5	80.0	-	120	Acceptable	
d9THC	1	0.0301	0.0317	%	95.1	90.0	-	110	Acceptable	
d8THC	1	0.0283	0.0304	%	92.9	90.0	-	110	Acceptable	
9S-d10THC	1	0.0299	0.0324	%	92.2	80.0	-	120	Acceptable	
CBL	2	0.0307	0.0328	%	93.5	80.0	-	120	Acceptable	
9R-d10THC	1	0.0289	0.0317	%	91.0	80.0	-	120	Acceptable	
CBC	2	0.0284	0.0305	%	93.2	80.0	-	120	Acceptable	
THCA	1	0.0293	0.0296	%	98.9	90.0	-	110	Acceptable	
CBCA	2	0.0305	0.0327	%	93.2	80.0	-	120	Acceptable	
CBLA	2	0.0318	0.0336	%	94.6	80.0	-	120	Acceptable	
d9THCP	2	0.0293	0.0328	%	89.3	80.0	-	120	Acceptable	
CBT	2	0.0292	0.0327	%	89.3	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	
9R-d10THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBC	<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	
CBT	<LOQ	0.00322	%	< 0.00322	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: 0			
Sample Duplicate					Sample ID: **24-001417-0001**			
Analyte	**Result**	**Org. Result**	**LOQ**	**Units**	**RPD**	**Limits**	**Evaluation**	**Notes**
CBDVA	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBDV	0.00452	0.00451	0.00305	%	0.0845	< 20	Acceptable	
CBE	0.00565	0.00563	0.00305	%	0.466	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBG	0.0126	0.0125	0.00305	%	0.470	< 20	Acceptable	
CBD	0.529	0.530	0.00305	%	0.153	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
d9THC	0.0426	0.0427	0.00305	%	0.102	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBC	0.0105	0.0105	0.00305	%	0.465	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00305	%	NA	< 20	Acceptable	
CBT	0.0177	0.0179	0.00305	%	0.939	< 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	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.