



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



Report Number: 23-008002/D003.R000
Report Date: 07/14/2023
ORELAP#: OR100028
Purchase Order:
Received: 07/07/23 12:29

Customer: Brothers Apothecary
Product identity: CBD Capsule 1.2
Project Number: COL-BR-13
Client/Metric ID: .
Laboratory ID: 23-008002-0006

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBD	1.38		%		CBD-Total per Serving Size 6.40 mg/0.34g
CBD-A	0.574		%		
CBG	0.0274		%		THC-Total per Serving Size 0.239 mg/0.34g
CBG-A	0.0175		%		
Δ9-THC	0.0654		%		(Reported in milligrams per serving)
THC-A	0.00544		%		
Analyte per 0.34g	Result	Limits	Units	Status	
CBD per 0.34g	4.69		mg/0.34g		
CBD-A per 0.34g	1.95		mg/0.34g		
CBG per 0.34g	0.0932		mg/0.34g		
CBG-A per 0.34g	0.0595		mg/0.34g		
Δ9-THC per 0.34g	0.222		mg/0.34g		
THC-A per 0.34g	0.0185		mg/0.34g		



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

Product identity: CBD Capsule 1.2

Project Number: COL-BR-13

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-008002-0006

Evidence of Cooling: No

Temp: 22.8

Relinquished by: client

Serving Size #1: 0.34 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod)		Units %	Batch: 2308934	Analyze: 7/10/23 9:33:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBD [±]	1.38		%	0.0314	
CBD-A [±]	0.574		%	0.00314	
CBD-Total	1.88		%	0.0341	
CBG	0.0274		%	0.00314	
CBG-A	0.0175		%	0.00314	
CBG-Total	0.0428		%	0.00586	
CBN	< LOQ		%	0.00314	
Δ10-THC-9R	< LOQ		%	0.00314	
Δ10-THC-9S	< LOQ		%	0.00314	
Δ10-THC-Total	< LOQ		%	0.00628	
Δ8-THC [±]	< LOQ		%	0.00314	
Δ9-THC [±]	0.0654		%	0.00314	
THC-A [±]	0.00544		%	0.00314	
THC-Total	0.0702		%	0.00589	
Total Cannabinoids	2.07		%		

Potency per 0.34g	Method: J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2308934	Analyze: 7/10/23 9:33:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 0.34g	4.69		mg/0.34g	0.107	
CBD-A per 0.34g	1.95		mg/0.34g	0.0107	
CBD-Total per 0.34g	6.40		mg/0.34g	0.116	
CBG per 0.34g	0.0932		mg/0.34g	0.0107	
CBG-A per 0.34g	0.0595		mg/0.34g	0.0107	
CBG-Total per 0.34g	0.145		mg/0.34g	0.0199	
CBN per 0.34g	< LOQ		mg/0.34g	0.0107	
Δ10-THC-9R per 0.34g	< LOQ		mg/0.34g	0.0107	
Δ10-THC-9S per 0.34g	< LOQ		mg/0.34g	0.0107	
Δ10-THC-Total per 0.34g	< LOQ		mg/0.34g	0.0213	
Δ8-THC per 0.34g	< LOQ		mg/0.34g	0.0107	



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Potency per 0.34g Method: J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2308934 Analyze: 7/10/23 9:33:00 PM					
Analyte	Result	Limits	Units	LOQ	Notes
Δ9-THC per 0.34g	0.222		mg/0.34g	0.0107	
THC-A per 0.34g	0.0185		mg/0.34g	0.0107	
THC-Total per 0.34g	0.239		mg/0.34g	0.0200	



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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/0.34g = Milligram per 0.34g

% = Percentage of sample

% wt = $\mu\text{g/g}$ 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: 2308934

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0319	0.0316	%	101	80.0	- 120	Acceptable	
CBDV	2	0.0323	0.0315	%	102	80.0	- 120	Acceptable	
CBE	2	0.0332	0.0348	%	95.4	80.0	- 120	Acceptable	
CBDA	1	0.0318	0.0325	%	98.0	90.0	- 110	Acceptable	
CBGA	1	0.0319	0.0326	%	97.9	80.0	- 120	Acceptable	
CBG	1	0.0322	0.0332	%	97.0	80.0	- 120	Acceptable	
CBD	1	0.0328	0.0337	%	97.1	90.0	- 110	Acceptable	
THCV	2	0.0243	0.0236	%	103	80.0	- 120	Acceptable	
d8THCV	2	0.0283	0.0279	%	102	80.0	- 120	Acceptable	
THCVA	2	0.0315	0.0308	%	102	80.0	- 120	Acceptable	
CBN	1	0.0325	0.0340	%	95.6	80.0	- 120	Acceptable	
exo-THC	2	0.0286	0.0283	%	101	80.0	- 120	Acceptable	
d9THC	1	0.0317	0.0329	%	96.4	90.0	- 110	Acceptable	
d8THC	1	0.0311	0.0320	%	97.3	90.0	- 110	Acceptable	
9S-d10THC	1	0.0333	0.0343	%	97.2	80.0	- 120	Acceptable	
CBL	2	0.0325	0.0311	%	104	80.0	- 120	Acceptable	
9R-d10THC	1	0.0301	0.0313	%	96.2	80.0	- 120	Acceptable	
CBC	2	0.0294	0.0293	%	100	80.0	- 120	Acceptable	
THCA	1	0.0314	0.0322	%	97.4	90.0	- 110	Acceptable	
CBCA	2	0.0327	0.0320	%	103	80.0	- 120	Acceptable	
CBLA	2	0.0310	0.0302	%	103	80.0	- 120	Acceptable	
d9THCP	2	0.0330	0.0326	%	101	80.0	- 120	Acceptable	
CBT	2	0.0321	0.0326	%	98.3	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: 2308934						
Sample Duplicate		Sample ID: 23-007976-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBG	0.0201	0.0196	0.00308	%	2.41	< 20	Acceptable	
CBD	0.691	0.681	0.00308	%	1.46	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBN	0.126	0.125	0.00308	%	1.39	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBC	0.00582	0.00580	0.00308	%	0.290	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
 RPD - Relative Percent Difference
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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.