



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

Report Number: 23-004525/D007.R000
Report Date: 04/19/2023
ORELAP#: OR100028
Purchase Order:
Received: 04/13/23 16:30

Customer: Brothers Apothecary
Product identity: CBD Capsule 1.1
Client/Metric ID: .
Laboratory ID: 23-004525-0003

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
CBD per 1g	11.7		mg/1g		CBD-Total per Serving Size 13.3 mg/1g
CBD-A per 1g	1.88		mg/1g		
CBG per 1g	0.205		mg/1g		THC-Total per Serving Size 0.547 mg/1g
Δ9-THC per 1g	0.547		mg/1g		(Reported in milligrams per serving)

Supplemental Testing Notes:

Total Weight of Sample: 0.465g

Typical Net Capsule Weight (All Varieties in Sample):
 0.392-0.425g

Capsule Weight: 0.090g-0.110g
 Typical Fill Weight (Capsule Size #0): 0.408mg-0.544mg

Total Typical Weight: 0.502-0.535g

Total Sample Analysis:
 6.67mg CBD/capsule
 0.254mg THC/capsule (0.05%)



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 3423 SE18th Ave
 Portland OR, 97202
 United States of America (USA)

Product identity: CBD Capsule 1.1

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-004525-0003

Evidence of Cooling: No

Temp: 22.6

Relinquished by: client

Serving Size #1: 1 g

Sample Results

Potency per 1g					
Method: J AOAC 2015 V98-6 (mod) ^b		Units mg/se		Batch: 2306461	
				Analyze: 4/17/23 11:34:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1g	11.7		mg/1g	0.366	
CBD-A per 1g	1.88		mg/1g	0.0366	
CBD-Total per 1g	13.3		mg/1g	0.399	
CBG per 1g	0.205		mg/1g	0.0366	
CBG-A per 1g	< LOQ		mg/1g	0.0366	
CBG-Total per 1g	0.205		mg/1g	0.0684	
CBN per 1g	< LOQ		mg/1g	0.0366	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0366	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0366	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0733	
Δ8-THC per 1g	< LOQ		mg/1g	0.0366	
Δ9-THC per 1g	0.547		mg/1g	0.0366	
THC-A per 1g	< LOQ		mg/1g	0.0366	
THC-Total per 1g	0.547		mg/1g	0.0688	



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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.

Units of Measure

g = g

mg/1g = Milligram per 1g

% = Percentage of sample

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

Approved Signatory

Derrick Tanner
General Manager



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Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2306461

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0315	0.030	%	103	80.0	- 120	Acceptable	
CBDV	2	0.0300	0.030	%	102	80.0	- 120	Acceptable	
CBE	2	0.0347	0.034	%	102	80.0	- 120	Acceptable	
CBDA	1	0.0308	0.031	%	99.6	90.0	- 110	Acceptable	
CBGA	1	0.0261	0.026	%	101	80.0	- 120	Acceptable	
CBG	1	0.0316	0.031	%	102	80.0	- 120	Acceptable	
CBD	1	0.0277	0.027	%	101	90.0	- 110	Acceptable	
THCV	2	0.0234	0.023	%	103	80.0	- 120	Acceptable	
d8THCV	2	0.0273	0.027	%	103	80.0	- 120	Acceptable	
THCVA	2	0.0321	0.031	%	103	80.0	- 120	Acceptable	
CBN	1	0.0277	0.027	%	103	80.0	- 120	Acceptable	
exo-THC	2	0.0315	0.031	%	103	80.0	- 120	Acceptable	
d9THC	1	0.0329	0.031	%	106	90.0	- 110	Acceptable	
d8THC	1	0.0324	0.031	%	104	90.0	- 110	Acceptable	
9S-d10THC	1	0.0327	0.031	%	104	80.0	- 120	Acceptable	
CBL	2	0.0331	0.032	%	103	80.0	- 120	Acceptable	
9R-d10THC	1	0.0307	0.032	%	96.0	80.0	- 120	Acceptable	
CB	2	0.0310	0.030	%	103	80.0	- 120	Acceptable	
THCA	1	0.0370	0.036	%	103	90.0	- 110	Acceptable	
CBCA	2	0.0333	0.032	%	103	80.0	- 120	Acceptable	
CBLA	2	0.0328	0.032	%	102	80.0	- 120	Acceptable	
CBT	2	0.0336	0.033	%	102	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBE	<LOQ	0.003	%	< 0.003	Acceptable	
CBDA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
d8THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	<LOQ	0.003	%	< 0.003	Acceptable	
d9THC	<LOQ	0.003	%	< 0.003	Acceptable	
d8THC	<LOQ	0.003	%	< 0.003	Acceptable	
9S-d10THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
9R-d10THC	<LOQ	0.003	%	< 0.003	Acceptable	
CB	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBLA	<LOQ	0.003	%	< 0.003	Acceptable	
CBT	<LOQ	0.003	%	< 0.003	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: 2306461						
Sample Duplicate		Sample ID: 23-004478-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0169	0.0169	0.003	%	0.284	< 20	Acceptable	
CBD	0.597	0.598	0.003	%	0.155	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.0052	0.0052	0.003	%	0.304	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	

Abbreviations

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 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.