



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

Report Number: 23-002574/D012.R000
Report Date: 03/09/2023
ORELAP#: OR100028
Purchase Order:
Received: 03/02/23 16:29

Customer: Brothers Apothecary
Product identity: TM 1.1
Project Number: COL-BR-11
Client/Metric ID: .
Laboratory ID: 23-002574-0001

Summary

Potency:

Analyte per 4.75g	Result	Limits	Units	Status	
CBD per 4.75g	34.8		mg/4.75g		CBD-Total per Serving Size 53.1 mg/4.75g
CBD-A per 4.75g	20.9		mg/4.75g		
CBG per 4.75g	0.779		mg/4.75g		THC-Total per Serving Size 2.39 mg/4.75g
CBG-A per 4.75g	0.445		mg/4.75g		
Δ9-THC per 4.75g	2.13		mg/4.75g		(Reported in milligrams per serving)
THC-A per 4.75g	0.296		mg/4.75g		

Supplemental Testing Notes:

Total Net Weight of Sample: 4.75g

Total Sample Analysis:

53.1mg CBD/tea bag

2.39mg THC/tea bag (0.05%)



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

Product identity: TM 1.1
Project Number: COL-BR-11
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-002574-0001
Evidence of Cooling: No
Temp: 20.0
Relinquished by: client
Serving Size #1: 4.75 g

Sample Results

Potency per 4.75g		Method: J AOAC 2015 V98-6 (mod) ^b		Units mg/se Batch: 2302031		Analyze: 3/6/23 9:13:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes		
CBD per 4.75g	34.8		mg/4.75g	0.151			
CBD-A per 4.75g	20.9		mg/4.75g	0.151			
CBD-Total per 4.75g	53.1		mg/4.75g	0.283			
CBG per 4.75g	0.779		mg/4.75g	0.151			
CBG-A per 4.75g	0.445		mg/4.75g	0.151			
CBG-Total per 4.75g	1.16		mg/4.75g	0.281			
CBN per 4.75g	< LOQ		mg/4.75g	0.0317			
Δ10-THC-9R per 4.75g	< LOQ		mg/4.75g	0.0317			
Δ10-THC-9S per 4.75g	< LOQ		mg/4.75g	0.0317			
Δ10-THC-Total per 4.75g	< LOQ		mg/4.75g	0.0634			
Δ8-THC per 4.75g	< LOQ		mg/4.75g	0.0317			
Δ9-THC per 4.75g	2.13		mg/4.75g	0.151			
THC-A per 4.75g	0.296		mg/4.75g	0.151			
THC-Total per 4.75g	2.39		mg/4.75g	0.283			



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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/4.75g = Milligram per 4.75g

% = 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: 2302031

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0343	0.033	%	104	80.0	- 120	Acceptable	
CBDV	2	0.0370	0.035	%	104	80.0	- 120	Acceptable	
CBE	2	0.0352	0.034	%	103	80.0	- 120	Acceptable	
CBDA	1	0.0352	0.036	%	97.1	90.0	- 110	Acceptable	
CBGA	1	0.0349	0.036	%	97.6	80.0	- 120	Acceptable	
CBG	1	0.0368	0.038	%	97.6	80.0	- 120	Acceptable	
CBD	1	0.0359	0.037	%	97.0	90.0	- 110	Acceptable	
THCV	2	0.0351	0.033	%	106	80.0	- 120	Acceptable	
d8THCV	2	0.0369	0.036	%	102	80.0	- 120	Acceptable	
THCVA	2	0.0341	0.033	%	104	80.0	- 120	Acceptable	
CBN	1	0.0371	0.038	%	97.8	80.0	- 120	Acceptable	
exo-THC	2	0.0343	0.034	%	102	80.0	- 120	Acceptable	
d9THC	1	0.0374	0.036	%	103	90.0	- 110	Acceptable	
d8THC	1	0.0368	0.037	%	98.7	90.0	- 110	Acceptable	
9S-d10THC	1	0.0375	0.037	%	100	80.0	- 120	Acceptable	
CBL	2	0.0348	0.033	%	105	80.0	- 120	Acceptable	
9R-d10THC	1	0.0350	0.036	%	96.0	80.0	- 120	Acceptable	
CBC	2	0.0373	0.036	%	104	80.0	- 120	Acceptable	
THCA	1	0.0350	0.036	%	96.8	90.0	- 110	Acceptable	
CBCA	2	0.0361	0.035	%	104	80.0	- 120	Acceptable	
CBLA	2	0.0356	0.035	%	102	80.0	- 120	Acceptable	
CBT	2	0.0358	0.036	%	100	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	
CBC	<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: 2302031						
Sample Duplicate		Sample ID: 23-002558-0001						
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	
CBD	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.003	%	NA	< 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	0.0033	0.0033	0.003	%	2.25	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.254	0.250	0.003	%	1.74	< 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	0.0160	0.0157	0.003	%	1.77	< 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

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.