



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



Report Number: 23-013239/D006.R000
Report Date: 11/14/2023
ORELAP#: OR100028
Purchase Order:
Received: 11/08/23 15:46

Customer: Brothers Apothecary
Product identity: CBD Tea 1.2
Client/Metric ID: .
Laboratory ID: 23-013239-0002

Summary

Potency:

Analyte per 5.3g	Result	Limits	Units	Status	
CBD per 5.3g	41.0		mg/5.3g		CBD-Total per Serving Size 51.1 mg/5.3g
CBD-A per 5.3g	11.5		mg/5.3g		
CBG per 5.3g	2.10		mg/5.3g		THC-Total per Serving Size <LOQ
Δ9-THC per 5.3g	2.08		mg/5.3g		(Reported in milligrams per serving)

Supplemental Testing Notes:
Total Net Weight of Sample: 5.3g

Sample analysis is for CBD teas blends including:

- Golden Dream
- Mellow Mint
- Buddha's Berry
- Chai Awakeing
- Highbiscus
- Oolong Passion
- Pumpkin Spice
- Cosmic Cleanse
- Sensualitea
- Breakfast Buzz
- Coconut Genmaicha
- Butterfly Blue
- Bee Peachy



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

Product identity: CBD Tea 1.2
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-013239-0002
Evidence of Cooling: No
Temp: 21.1 °C
Relinquished by: Client
Serving Size #1: 5.3 g

Sample Results

Potency per 5.3g		Method: J AOAC 2015 V98-6 (mod) ^b		Units mg/se Batch: 2312690		Analyze: 11/9/23 8:26:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
CBD per 5.3g	41.0		mg/5.3g	1.55		
CBD-A per 5.3g	11.5		mg/5.3g	1.55		
CBD-Total per 5.3g	51.1		mg/5.3g	2.91		
CBG per 5.3g	2.10		mg/5.3g	1.55		
CBG-A per 5.3g	< LOQ		mg/5.3g	1.55		
CBG-Total per 5.3g	< LOQ		mg/5.3g	2.89		
CBN per 5.3g	< LOQ		mg/5.3g	1.55		
Δ10-THC-9R per 5.3g	< LOQ		mg/5.3g	1.55		
Δ10-THC-9S per 5.3g	< LOQ		mg/5.3g	1.55		
Δ10-THC-Total per 5.3g	< LOQ		mg/5.3g	3.10		
Δ8-THC per 5.3g	< LOQ		mg/5.3g	1.55		
Δ9-THC per 5.3g	2.08		mg/5.3g	1.55		
THC-A per 5.3g	< LOQ		mg/5.3g	1.55		
THC-Total per 5.3g	< LOQ		mg/5.3g	2.91		



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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/5.3g = Milligram per 5.3g
- % = 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: 2312690

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBD A	1	0.0288	0.0283	%	102	90.0 - 110	Acceptable	
CBGA	1	0.0286	0.0285	%	101	80.0 - 120	Acceptable	
CBG	1	0.0305	0.0302	%	101	80.0 - 120	Acceptable	
CBD	1	0.0303	0.0290	%	105	90.0 - 110	Acceptable	
CBN	1	0.0308	0.0302	%	102	80.0 - 120	Acceptable	
d9THC	1	0.0303	0.0291	%	104	90.0 - 110	Acceptable	
d8THC	1	0.0253	0.0252	%	101	90.0 - 110	Acceptable	
9S-d10THC	1	0.0304	0.0298	%	102	80.0 - 120	Acceptable	
9R-d10THC	1	0.0288	0.0285	%	101	80.0 - 120	Acceptable	
THCA	1	0.0278	0.0275	%	101	90.0 - 110	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBD A	<LOQ	0.0296	%	< 0.0296	Acceptable	
CBGA	<LOQ	0.0296	%	< 0.0296	Acceptable	
CBG	<LOQ	0.0296	%	< 0.0296	Acceptable	
CBD	<LOQ	0.0296	%	< 0.0296	Acceptable	
CBN	<LOQ	0.0296	%	< 0.0296	Acceptable	
d9THC	<LOQ	0.0296	%	< 0.0296	Acceptable	
d8THC	<LOQ	0.0296	%	< 0.0296	Acceptable	
9S-d10THC	<LOQ	0.0296	%	< 0.0296	Acceptable	
9R-d10THC	<LOQ	0.0296	%	< 0.0296	Acceptable	
THCA	<LOQ	0.0296	%	< 0.0296	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: 2312690						
Sample Duplicate		Sample ID: 23-013181-0002						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBD	11.8	11.7	0.0291	%	0.623	< 20	Acceptable	
CBDA	0.479	0.472	0.0291	%	1.61	< 20	Acceptable	
CBG	0.0907	0.0888	0.0291	%	2.20	< 20	Acceptable	
CBD	0.350	0.354	0.0291	%	1.11	< 20	Acceptable	
CBN	0.131	0.129	0.0291	%	1.16	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.0291	%	NA	< 20	Acceptable	
d8THC	13.7	13.4	0.0291	%	2.51	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.0291	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.0291	%	NA	< 20	Acceptable	
THCA	0.0520	0.0520	0.0291	%	0.0464	< 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.