



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

Report Number: 23-001311/D004.R000
Report Date: 02/06/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/31/23 10:06

Customer: Brothers Apothecary
Product identity: CBD Honey 1.2
Client/Metric ID: .
Laboratory ID: 23-001311-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBD	0.621		%		CBD-Total per Serving Size 6.21 mg/1g
CBG	0.117		%		
CBN	0.0251		%		THC-Total per Serving Size 0.306 mg/1g
Δ9-THC	0.0306		%		(Reported in milligrams per serving)
Analyte per 1g	Result	Limits	Units	Status	
CBD per 1g	6.21		mg/1g		
CBG per 1g	1.17		mg/1g		
CBN per 1g	0.251		mg/1g		
Δ9-THC per 1g	0.306		mg/1g		

Supplemental Testing Notes:

Total Net Weight of Sample: 1g

Total Sample Analysis:

37.26-43.47mg CBD/serving (6-7 grams, ~1 teaspoon)

1.83mg-2.14mg THC/serving



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

Product identity: CBD Honey 1.2

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-001311-0001

Evidence of Cooling: No

Temp: 16.4 °C

Relinquished by: Client

Serving Size #1: 1 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2301078	Analyze: 2/2/23 8:46:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD	0.621		%	0.00308	
CBD-A	< LOQ		%	0.00308	
CBD-Total	0.621		%	0.00578	
CBG	0.117		%	0.00308	
CBG-A	< LOQ		%	0.00308	
CBG-Total	0.117		%	0.00575	
CBN	0.0251		%	0.00308	
Δ10-THC-9R	< LOQ		%	0.00308	
Δ10-THC-9S	< LOQ		%	0.00308	
Δ10-THC-Total	< LOQ		%	0.00616	
Δ8-THC	< LOQ		%	0.00308	
Δ9-THC	0.0306		%	0.00308	
THC-A	< LOQ		%	0.00308	
THC-Total	0.0306		%	0.00578	
Total Cannabinoids	0.794		%		

Potency per 1g	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2301078	Analyze: 2/2/23 8:46:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1g	6.21		mg/1g	0.0308	
CBD-A per 1g	< LOQ		mg/1g	0.0308	
CBD-Total per 1g	6.21		mg/1g	0.0578	
CBG per 1g	1.17		mg/1g	0.0308	
CBG-A per 1g	< LOQ		mg/1g	0.0308	
CBG-Total per 1g	1.17		mg/1g	0.0575	
CBN per 1g	0.251		mg/1g	0.0308	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0308	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0308	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0616	
Δ8-THC per 1g	< LOQ		mg/1g	0.0308	
Δ9-THC per 1g	0.306		mg/1g	0.0308	



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Potency per 1g						
Method: J AOAC 2015 V98-6 (mod) ^b						
Analyte	Result	Limits	Units	Batch: 2301078	LOQ	Analyze: 2/2/23 8:46:00 PM
THC-A per 1g	< LOQ		mg/1g		0.0308	
THC-Total per 1g	0.306		mg/1g		0.0578	



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These test results are representative of the individual sample selected and submitted by the client.

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: 2301078

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0298	0.033	%	89.3	80.0	- 120	Acceptable	
CBDV	2	0.0321	0.033	%	96.2	80.0	- 120	Acceptable	
CBE	2	0.0311	0.033	%	93.3	80.0	- 120	Acceptable	
CBDA	1	0.0372	0.037	%	101	90.0	- 110	Acceptable	
CBGA	1	0.0377	0.037	%	102	80.0	- 120	Acceptable	
CBG	1	0.0389	0.038	%	102	80.0	- 120	Acceptable	
CBD	1	0.0372	0.038	%	98.5	90.0	- 110	Acceptable	
THCV	2	0.0307	0.033	%	92.0	80.0	- 120	Acceptable	
d8THCV	2	0.0308	0.033	%	92.3	80.0	- 120	Acceptable	
THCVA	2	0.0284	0.033	%	85.1	80.0	- 120	Acceptable	
CBN	1	0.0393	0.039	%	100	80.0	- 120	Acceptable	
exo-THC	2	0.0293	0.033	%	87.9	80.0	- 120	Acceptable	
d9THC	1	0.0392	0.040	%	99.1	90.0	- 110	Acceptable	
d8THC	1	0.0364	0.040	%	91.2	90.0	- 110	Acceptable	
9S-d10THC	1	0.0189	0.020	%	93.7	80.0	- 120	Acceptable	
CBL	2	0.0288	0.033	%	86.5	80.0	- 120	Acceptable	
9S-HHC	3	0.0316	0.033	%	94.8	80.0	- 120	Acceptable	
9R-d10THC	1	0.0174	0.018	%	95.2	80.0	- 120	Acceptable	
CBc	2	0.0294	0.033	%	88.3	80.0	- 120	Acceptable	
9R-HHC	3	0.0283	0.033	%	85.0	80.0	- 120	Acceptable	
THCA	1	0.0379	0.036	%	105	90.0	- 110	Acceptable	
CBCA	2	0.0304	0.033	%	91.1	80.0	- 120	Acceptable	
CBLA	2	0.0306	0.033	%	91.8	80.0	- 120	Acceptable	
d8THCO	3	0.0331	0.033	%	99.3	80.0	- 120	Acceptable	
CBT	2	0.0286	0.033	%	85.9	80.0	- 120	Acceptable	
d9THCO	3	0.0328	0.033	%	98.3	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		
9S-HHC	<LOQ	0.003	%	< 0.003	Acceptable		
9R-d10THC	<LOQ	0.003	%	< 0.003	Acceptable		
CBc	<LOQ	0.003	%	< 0.003	Acceptable		
9R-HHC	<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		
d8THCO	<LOQ	0.003	%	< 0.003	Acceptable		
CBT	<LOQ	0.003	%	< 0.003	Acceptable		
d9THCO	<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: 2301078						
Sample Duplicate		Sample ID: 23-001026-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0388	0.0389	0.003	%	0.437	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0133	0.0134	0.003	%	1.38	< 20	Acceptable	
CBD	2.93	2.94	0.003	%	0.244	< 20	Acceptable	
THCV	0.0056	0.0054	0.003	%	2.65	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.0121	0.0122	0.003	%	0.783	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.210	0.213	0.003	%	1.14	< 20	Acceptable	
d8THC	0.0341	0.0327	0.003	%	4.30	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9S-HHC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.0042	0.0042	0.003	%	0.994	< 20	Acceptable	
9R-HHC	<LOQ	<LOQ	0.003	%	NA	< 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	
d8THCO	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	0.0215	0.0219	0.003	%	1.65	< 20	Acceptable	
d9THCO	<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.