



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



Report Number: 23-000380/D007.R000
Report Date: 01/16/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/10/23 00:00

Customer: Brothers Apothecary
Product identity: Delta-8 Honey 1.1
Project Number: COL-BR-04
Client/Metric ID: .
Laboratory ID: 23-000380-0003

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBD	0.00268		%		CBD-Total per Serving Size 0.0268 mg/1g
Δ8-THC	0.314		%		
Analyte per 1g	Result	Limits	Units	Status	
CBD per 1g	0.0268		mg/1g		(Reported in milligrams per serving)
Δ8-THC per 1g	3.14		mg/1g		
					THC-Total per Serving Size <LOQ

Supplemental Testing Notes:
 1 Serving = 1 tsp (Approx. 6g)

Total Δ8-THC/serving: 18.84mg
 Total CBD/serving: 0.16mg

2oz Size: 150.72mg/jar
 4oz Size: 301.44mg/jar



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

Product identity: Delta-8 Honey 1.1

Project Number: COL-BR-04

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-000380-0003

Evidence of Cooling: No

Temp: 25 °C

Serving Size #1: 1 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2300379	Analyze: 1/12/23 10:53:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD	0.00268		%	0.000666	
CBD-A	< LOQ		%	0.000666	
CBD-Total	0.00268		%	0.00125	
CBG	< LOQ		%	0.000666	
CBG-A	< LOQ		%	0.000666	
CBG-Total	< LOQ		%	0.00124	
CBN	< LOQ		%	0.000666	
Δ10-THC-9R	< LOQ		%	0.000666	
Δ8-THC	0.314		%	0.00666	
Δ9-THC	< LOQ		%	0.000666	
THC-A	< LOQ		%	0.000666	
THC-Total	< LOQ		%	0.00125	
Total Cannabinoids	0.317		%		

Potency per 1g	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2300379	Analyze: 1/12/23 10:53:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1g	0.0268		mg/1g	0.00666	
CBD-A per 1g	< LOQ		mg/1g	0.00666	
CBD-Total per 1g	0.0268		mg/1g	0.0125	
CBG per 1g	< LOQ		mg/1g	0.00666	
CBG-A per 1g	< LOQ		mg/1g	0.00666	
CBG-Total per 1g	< LOQ		mg/1g	0.0124	
CBN per 1g	< LOQ		mg/1g	0.00666	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.00666	
Δ8-THC per 1g	3.14		mg/1g	0.0666	
Δ9-THC per 1g	< LOQ		mg/1g	0.00666	
THC-A per 1g	< LOQ		mg/1g	0.00666	
THC-Total per 1g	< LOQ		mg/1g	0.0125	



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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: 2300379

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0333	0.033	%	99.7	80.0	- 120	Acceptable	
CBDV	2	0.0359	0.035	%	102	80.0	- 120	Acceptable	
CBE	2	0.0337	0.035	%	96.5	80.0	- 120	Acceptable	
CBDA	1	0.0352	0.033	%	108	90.0	- 110	Acceptable	
CBGA	1	0.0350	0.032	%	108	80.0	- 120	Acceptable	
CBG	1	0.0349	0.032	%	109	80.0	- 120	Acceptable	
CBD	1	0.0348	0.032	%	109	90.0	- 110	Acceptable	
THCV	2	0.0344	0.035	%	97.1	80.0	- 120	Acceptable	
d8THCV	2	0.0351	0.034	%	102	80.0	- 120	Acceptable	
THCVA	2	0.0324	0.033	%	98.2	80.0	- 120	Acceptable	
CBN	1	0.0358	0.033	%	108	80.0	- 120	Acceptable	
exo-THC	2	0.0330	0.032	%	102	80.0	- 120	Acceptable	
d9THC	1	0.0362	0.035	%	103	90.0	- 110	Acceptable	
d8THC	1	0.0326	0.031	%	104	90.0	- 110	Acceptable	
CBL	2	0.0332	0.035	%	95.9	80.0	- 120	Acceptable	
d10THC	1	0.0351	0.032	%	109	80.0	- 120	Acceptable	
CB	2	0.0347	0.035	%	100	80.0	- 120	Acceptable	
THCA	1	0.0358	0.033	%	109	90.0	- 110	Acceptable	
CBCA	2	0.0343	0.034	%	99.7	80.0	- 120	Acceptable	
CBLA	2	0.0348	0.035	%	99.6	80.0	- 120	Acceptable	
CBT	2	0.0349	0.035	%	99.4	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBDV	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBE	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBDA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBGA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBG	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBD	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCV	<LOQ	0.0006	%	< 0.0006	Acceptable	
d8THCV	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCVA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBN	<LOQ	0.0006	%	< 0.0006	Acceptable	
exo-THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
d9THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
d8THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBL	<LOQ	0.0006	%	< 0.0006	Acceptable	
d10THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
CB	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBCA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBLA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBT	<LOQ	0.0006	%	< 0.0006	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: 2300379						
Sample Duplicate		Sample ID: 23-000125-0004						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.00394	0.00386	0.003	%	1.93	< 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	0.00352	0.00346	0.003	%	1.45	< 20	Acceptable	
CBD	0.201	0.201	0.003	%	0.0259	< 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	0.00708	0.00732	0.003	%	3.32	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.00542	0.00535	0.003	%	1.31	< 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:



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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.