



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

Report Number: 23-000730/D003.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/18/23 12:30

Customer: Brothers Apothecary
Product identity: Capsule 5.5
Client/Metric ID: .
Laboratory ID: 23-000730-0009

Summary

Potency:

Analyte	Result	Limits	Units	Status
CBD	0.988		%	
CBD-A	0.290		%	
CBG	0.0151		%	
CBG-A	0.00503		%	
Δ9-THC	0.128		%	
THC-A	0.00656		%	
Analyte per 1g	Result	Limits	Units	Status
CBD per 1g	9.88		mg/1g	
CBD-A per 1g	2.90		mg/1g	
CBG per 1g	0.151		mg/1g	
CBG-A per 1g	0.0503		mg/1g	
Δ9-THC per 1g	1.28		mg/1g	
THC-A per 1g	0.0656		mg/1g	

CBD-Total per Serving Size 12.4 mg/1g

THC-Total per Serving Size 1.34 mg/1g

(Reported in milligrams per serving)

Supplemental Testing Notes:

Total Weight of Sample: 0.512g

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

Capsule Weight: 0.90g-0.110g

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

Total Typical Weight: 0.502-0.535g

Total Sample Analysis:

6.34mg CBD/capsule

0.68mg THC/capsule



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

Product identity: Capsule 5.5

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-000730-0009

Evidence of Cooling: No

Temp: 20.1 °C

Relinquished by: Client

Serving Size #1: 1 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod)	Units %	Batch: 2300640	Analyze: 1/19/23 11:53:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD [±]	0.988		%	0.00384	
CBD-A [±]	0.290		%	0.00384	
CBD-Total	1.24		%	0.00722	
CBG	0.0151		%	0.00384	
CBG-A	0.00503		%	0.00384	
CBG-Total	0.0195		%	0.00718	
CBN	< LOQ		%	0.00384	
Δ10-THC-9R	< LOQ		%	0.00384	
Δ8-THC [±]	< LOQ		%	0.00384	
Δ9-THC [±]	0.128		%	0.00384	
THC-A [±]	0.00656		%	0.00384	
THC-Total	0.134		%	0.00722	
Total Cannabinoids	1.43		%		

Potency per 1g	Method: J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2300640	Analyze: 1/19/23 11:53:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1g	9.88		mg/1g	0.0384	
CBD-A per 1g	2.90		mg/1g	0.0384	
CBD-Total per 1g	12.4		mg/1g	0.0722	
CBG per 1g	0.151		mg/1g	0.0384	
CBG-A per 1g	0.0503		mg/1g	0.0384	
CBG-Total per 1g	0.195		mg/1g	0.0718	
CBN per 1g	< LOQ		mg/1g	0.0384	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0384	
Δ8-THC per 1g	< LOQ		mg/1g	0.0384	
Δ9-THC per 1g	1.28		mg/1g	0.0384	
THC-A per 1g	0.0656		mg/1g	0.0384	
THC-Total per 1g	1.34		mg/1g	0.0722	



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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.

^y = TNI accredited analyte.

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

JACOAC2015 V98-6 Batch ID: 2300640

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0328	0.033	%	98.2	80.0	- 120	Acceptable	
CBDV	2	0.0353	0.035	%	99.9	80.0	- 120	Acceptable	
CBE	2	0.0334	0.035	%	95.5	80.0	- 120	Acceptable	
CEDA	1	0.0329	0.032	%	103	90.0	- 110	Acceptable	
CBG#	1	0.0329	0.032	%	103	80.0	- 120	Acceptable	
CBG	1	0.0340	0.033	%	103	80.0	- 120	Acceptable	
CBD	1	0.0332	0.032	%	103	90.0	- 110	Acceptable	
THCV	2	0.0345	0.035	%	97.2	80.0	- 120	Acceptable	
δ8THCV	2	0.0346	0.034	%	100	80.0	- 120	Acceptable	
THCVA	2	0.0325	0.033	%	98.5	80.0	- 120	Acceptable	
CBN	1	0.0343	0.034	%	101	80.0	- 120	Acceptable	
exo-THC	2	0.0321	0.032	%	99.0	80.0	- 120	Acceptable	
δ9THC	1	0.0345	0.035	%	99.0	90.0	- 110	Acceptable	
δ8THC	1	0.0315	0.033	%	94.1	90.0	- 110	Acceptable	
CBL	2	0.0332	0.035	%	96.0	80.0	- 120	Acceptable	
Δ10THC	1	0.0157	0.016	%	99.7	80.0	- 120	Acceptable	
CBC	2	0.0337	0.035	%	97.3	80.0	- 120	Acceptable	
THCA	1	0.0339	0.032	%	107	90.0	- 110	Acceptable	
CBCA	2	0.0338	0.034	%	98.4	80.0	- 120	Acceptable	
CBLA	2	0.0344	0.035	%	98.4	80.0	- 120	Acceptable	
CBI	2	0.0331	0.035	%	94.3	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			
CEDA	<LOQ	0.003	%	< 0.003		Acceptable			
CBG#	<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			
δ8THCV	<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			
δ9THC	<LOQ	0.003	%	< 0.003		Acceptable			
δ8THC	<LOQ	0.003	%	< 0.003		Acceptable			
CBL	<LOQ	0.003	%	< 0.003		Acceptable			
Δ10THC	<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			
CBI	<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

JACAC2015 V98-6		Batch ID: 2300640						
Sample Duplicate		Sample ID: 23-000706-0001						
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	
CEDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0073	0.0075	0.003	%	2.81	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
Δ8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.0088	0.0091	0.003	%	2.54	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
Δ9THC	0.254	0.260	0.003	%	2.23	< 20	Acceptable	
Δ8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
Δ10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<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 MRI
- 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.