



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

Report Number: 23-001818/D003.R000
Report Date: 02/16/2023
ORELAP#: OR100028
Purchase Order:
Received: 02/10/23 14:49

Customer: Brothers Apothecary
Product identity: CBD Protein 1.1
Project Number: COL-BR-09
Client/Metric ID: .
Laboratory ID: 23-001818-0004

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBD	0.0785		%		CBD-Total per Serving Size 1.21 mg/1g
CBD-A	0.0487		%		
Analyte per 1g	Result	Limits	Units	Status	
CBD per 1g	0.785		mg/1g		(Reported in milligrams per serving)
CBD-A per 1g	0.487		mg/1g		
					THC-Total per Serving Size <LOQ

Supplemental Testing Notes:

Includes both Garden of Eden and Magikal Mushroom Protein

Typical Serving Size: 22-25g/serving

Total Sample Analysis:
 26.62mg-30.25mg CBD/serving
 <LOQ THC/serving



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

Product identity: CBD Protein 1.1

Project Number: COL-BR-09

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-001818-0004

Evidence of Cooling: No

Temp: 21.4

Relinquished by: client

Serving Size #1: 1 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b		Units %	Batch: 2301394	Analyze: 2/13/23 9:28:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBD	0.0785		%	0.00307	
CBD-A	0.0487		%	0.00307	
CBD-Total	0.121		%	0.00576	
CBG	< LOQ		%	0.00307	
CBG-A	< LOQ		%	0.00307	
CBG-Total	< LOQ		%	0.00573	
CBN	< LOQ		%	0.00307	
Δ10-THC-9R	< LOQ		%	0.00307	
Δ10-THC-9S	< LOQ		%	0.00307	
Δ10-THC-Total	< LOQ		%	0.00614	
Δ8-THC	< LOQ		%	0.00307	
Δ9-THC	< LOQ		%	0.00307	
THC-A	< LOQ		%	0.00307	
THC-Total	< LOQ		%	0.00576	
Total Cannabinoids	0.127		%		

Potency per 1g	Method: J AOAC 2015 V98-6 (mod) ^b		Units mg/se	Batch: 2301394	Analyze: 2/13/23 9:28:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1g	0.785		mg/1g	0.0307	
CBD-A per 1g	0.487		mg/1g	0.0307	
CBD-Total per 1g	1.21		mg/1g	0.0576	
CBG per 1g	< LOQ		mg/1g	0.0307	
CBG-A per 1g	< LOQ		mg/1g	0.0307	
CBG-Total per 1g	< LOQ		mg/1g	0.0573	
CBN per 1g	< LOQ		mg/1g	0.0307	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0307	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0307	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0614	
Δ8-THC per 1g	< LOQ		mg/1g	0.0307	



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Potency per 1g		Method: J AOAC 2015 V98-6 (mod) ^b		Units mg/se	Batch: 2301394	Analyze: 2/13/23 9:28:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
Δ9-THC per 1g	< LOQ		mg/1g	0.0307		
THC-A per 1g	< LOQ		mg/1g	0.0307		
THC-Total per 1g	< LOQ		mg/1g	0.0576		



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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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Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2301394

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0407	0.040	%	102	80.0 - 120	Acceptable	
CBDV	2	0.0434	0.042	%	102	80.0 - 120	Acceptable	
CBE	2	0.0432	0.041	%	104	80.0 - 120	Acceptable	
CBDA	1	0.0333	0.032	%	104	90.0 - 110	Acceptable	
CBGA	1	0.0334	0.032	%	105	80.0 - 120	Acceptable	
CBG	1	0.0348	0.033	%	105	80.0 - 120	Acceptable	
CBD	1	0.0330	0.033	%	99.3	90.0 - 110	Acceptable	
THCV	2	0.0422	0.040	%	105	80.0 - 120	Acceptable	
d8THCV	2	0.0418	0.042	%	99.7	80.0 - 120	Acceptable	
THCVA	2	0.0385	0.038	%	101	80.0 - 120	Acceptable	
CBN	1	0.0349	0.033	%	105	80.0 - 120	Acceptable	
exo-THC	2	0.0403	0.040	%	101	80.0 - 120	Acceptable	
d9THC	1	0.0350	0.033	%	106	90.0 - 110	Acceptable	
d8THC	1	0.0318	0.034	%	94.1	90.0 - 110	Acceptable	
9S-d10THC	1	0.0344	0.034	%	101	80.0 - 120	Acceptable	
CBL	2	0.0391	0.040	%	98.7	80.0 - 120	Acceptable	
9R-d10THC	1	0.0332	0.032	%	104	80.0 - 120	Acceptable	
CBC	2	0.0410	0.042	%	97.6	80.0 - 120	Acceptable	
THCA	1	0.0346	0.032	%	107	90.0 - 110	Acceptable	
CBCA	2	0.0413	0.040	%	102	80.0 - 120	Acceptable	
CBLA	2	0.0420	0.041	%	103	80.0 - 120	Acceptable	
CBT	2	0.0403	0.041	%	97.3	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	
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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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.