



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

Report Number: 23-001034/D005.R000
Report Date: 01/31/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/25/23 10:39

Customer: Brothers Apothecary
Product identity: Rosehip 1.1
Project Number: COL-BR-07
Client/Metric ID: .
Laboratory ID: 23-001034-0002

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBD	0.415		%		CBD-Total per Serving Size 4.15 mg/1g
Analyte per 1g	Result	Limits	Units	Status	THC-Total per Serving Size <LOQ
CBD per 1g	4.15		mg/1g		(Reported in milligrams per serving)

Supplemental Testing Notes:

Typical Net Product Weight: 124.5 grams
Container includes 4oz / 120ml

Total Sample Analysis:

516.67mg CBD/container
<LOQ THC/container



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

Product identity: Rosehip 1.1

Project Number: COL-BR-07

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-001034-0002

Evidence of Cooling: No

Temp: 16.8

Relinquished by: client

Serving Size #1: 1 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod)		Units %	Batch: 2300849	Analyze: 1/27/23 7:12:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBD [±]	0.415		%	0.00322	
CBD-A [±]	< LOQ		%	0.00322	
CBD-Total	0.415		%	0.00604	
CBG	< LOQ		%	0.00322	
CBG-A	< LOQ		%	0.00322	
CBG-Total	< LOQ		%	0.00600	
CBN	< LOQ		%	0.00322	
Δ10-THC-9R	< LOQ		%	0.00322	
Δ10-THC-9S	< LOQ		%	0.00322	
Δ10-THC-Total	< LOQ		%	0.00643	
Δ8-THC [±]	< LOQ		%	0.00322	
Δ9-THC [±]	< LOQ		%	0.00322	
THC-A [±]	< LOQ		%	0.00322	
THC-Total	< LOQ		%	0.00604	
Total Cannabinoids	0.415		%		

Potency per 1g	Method: J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2300849	Analyze: 1/27/23 7:12:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1g	4.15		mg/1g	0.0322	
CBD-A per 1g	< LOQ		mg/1g	0.0322	
CBD-Total per 1g	4.15		mg/1g	0.0604	
CBG per 1g	< LOQ		mg/1g	0.0322	
CBG-A per 1g	< LOQ		mg/1g	0.0322	
CBG-Total per 1g	< LOQ		mg/1g	0.0600	
CBN per 1g	< LOQ		mg/1g	0.0322	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0322	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0322	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0643	
Δ8-THC per 1g	< LOQ		mg/1g	0.0322	



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Potency per 1g		Method: J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2300849	Analyze: 1/27/23 7:12:00 AM
Analyte	Result	Limits	Units	LOQ	Notes	
Δ9-THC per 1g	< LOQ		mg/1g	0.0322		
THC-A per 1g	< LOQ		mg/1g	0.0322		
THC-Total per 1g	< LOQ		mg/1g	0.0604		



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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.

¥ = TNI accredited analyte.

Units of Measure

g = g

mg/1g = Milligram per 1g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2300849

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0347	0.033	%	104	80.0	- 120	Acceptable	
CBDV	2	0.0344	0.035	%	97.4	80.0	- 120	Acceptable	
CBE	2	0.0354	0.035	%	101	80.0	- 120	Acceptable	
CBDA	1	0.0326	0.032	%	102	90.0	- 110	Acceptable	
CBGA	1	0.0312	0.032	%	97.4	80.0	- 120	Acceptable	
CBG	1	0.0321	0.033	%	97.5	80.0	- 120	Acceptable	
CBD	1	0.0328	0.032	%	101	90.0	- 110	Acceptable	
THCV	2	0.0360	0.035	%	101	80.0	- 120	Acceptable	
d8THCV	2	0.0368	0.034	%	107	80.0	- 120	Acceptable	
THCVA	2	0.0344	0.033	%	104	80.0	- 120	Acceptable	
CBN	1	0.0348	0.034	%	103	80.0	- 120	Acceptable	
exo-THC	2	0.0335	0.032	%	103	80.0	- 120	Acceptable	
d9THC	1	0.0349	0.035	%	99.9	90.0	- 110	Acceptable	
d8THC	1	0.0355	0.033	%	106	90.0	- 110	Acceptable	
9S-d10THC	1	0.0178	0.017	%	102	80.0	- 120	Acceptable	
CBL	2	0.0351	0.035	%	102	90.0	- 110	Acceptable	
9S-HHC	3	0.0322	0.033	%	96.7	90.0	- 110	Acceptable	
9R-d10THC	1	0.0161	0.016	%	102	80.0	- 120	Acceptable	
CBc	2	0.0366	0.035	%	106	80.0	- 120	Acceptable	
9R-HHC	3	0.0303	0.033	%	90.8	80.0	- 120	Acceptable	
THCA	1	0.0319	0.032	%	101	80.0	- 120	Acceptable	
CBCA	2	0.0355	0.034	%	103	80.0	- 120	Acceptable	
CBLA	2	0.0365	0.035	%	104	90.0	- 110	Acceptable	
d8THCO	3	0.0342	0.033	%	103	80.0	- 120	Acceptable	
CBT	2	0.0365	0.035	%	104	80.0	- 120	Acceptable	
d9THCO	3	0.0364	0.033	%	109	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: 2300849						
Sample Duplicate		Sample ID: 23-000986-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0141	0.0141	0.003	%	0.0956	< 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	0.0311	0.0309	0.003	%	0.390	< 20	Acceptable	
CBD	2.31	2.30	0.003	%	0.476	< 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	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 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	<LOQ	<LOQ	0.003	%	NA	< 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	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THCO	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	

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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.