



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

Report Number: 23-002151/D002.R000
Report Date: 02/27/2023
ORELAP#: OR100028
Purchase Order:
Received: 02/20/23 15:07

Customer: Brothers Apothecary
Product identity: Buzz Balm 1.2
Project Number: COL-BR-10
Client/Metric ID: .
Laboratory ID: 23-002151-0006

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
CBD per 1g	1.81		mg/1g		CBD-Total per Serving Size 1.81 mg/1g
					THC-Total per Serving Size <LOQ
(Reported in milligrams per serving)					

Supplemental Testing Notes:

Total Unit Weight: 11.5g

Total Unit Analysis:
20.81mg/unit
<LOQ THC/unit



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

Product identity: Buzz Balm 1.2
Project Number: COL-BR-10
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-002151-0006
Evidence of Cooling: No
Temp: 23.3
Relinquished by: client
Serving Size #1: 1 g

Sample Results

Potency per 1g	Method: J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2301693	Analyze: 2/22/23 10:03:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1g	1.81		mg/1g	0.0305	
CBD-A per 1g	< LOQ		mg/1g	0.0305	
CBD-Total per 1g	1.81		mg/1g	0.0573	
CBG per 1g	< LOQ		mg/1g	0.0305	
CBG-A per 1g	< LOQ		mg/1g	0.0305	
CBG-Total per 1g	< LOQ		mg/1g	0.0570	
CBN per 1g	< LOQ		mg/1g	0.0305	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0305	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0305	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0611	
Δ8-THC per 1g	< LOQ		mg/1g	0.0305	
Δ9-THC per 1g	< LOQ		mg/1g	0.0305	
THC-A per 1g	< LOQ		mg/1g	0.0305	
THC-Total per 1g	< LOQ		mg/1g	0.0573	



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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 = $\mu\text{g/g}$ 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

JAOAC2015 V986 Batch ID: 2301693

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0338	0.033	%	102	80.0	- 120	Acceptable	
CBDV	2	0.0378	0.035	%	107	80.0	- 120	Acceptable	
CBE	2	0.0343	0.034	%	101	80.0	- 120	Acceptable	
CBDA	1	0.0320	0.032	%	99.7	90.0	- 110	Acceptable	
CBGA	1	0.0319	0.032	%	99.9	80.0	- 120	Acceptable	
CBG	1	0.0336	0.033	%	101	80.0	- 120	Acceptable	
CBD	1	0.0324	0.033	%	97.5	90.0	- 110	Acceptable	
THCV	2	0.0338	0.033	%	102	80.0	- 120	Acceptable	
d8THCV	2	0.0359	0.036	%	99.2	80.0	- 120	Acceptable	
THCVA	2	0.0328	0.033	%	100	80.0	- 120	Acceptable	
CBN	1	0.0335	0.033	%	100	80.0	- 120	Acceptable	
exo-THC	2	0.0325	0.034	%	97.1	80.0	- 120	Acceptable	
d9THC	1	0.0331	0.033	%	101	90.0	- 110	Acceptable	
d8THC	1	0.0339	0.034	%	100	90.0	- 110	Acceptable	
9S-d10THC	1	0.0345	0.034	%	101	80.0	- 120	Acceptable	
CBL	2	0.0337	0.033	%	101	80.0	- 120	Acceptable	
9R-d10THC	1	0.0320	0.032	%	100.0	80.0	- 120	Acceptable	
CB	2	0.0358	0.036	%	100	80.0	- 120	Acceptable	
THCA	1	0.0314	0.032	%	97.0	90.0	- 110	Acceptable	
CBCA	2	0.0349	0.035	%	99.9	80.0	- 120	Acceptable	
CBLA	2	0.0347	0.035	%	99.4	80.0	- 120	Acceptable	
CBT	2	0.0348	0.036	%	97.6	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	
CB	<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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Laboratory Quality Control Results

JAOAC2015 V986		Batch ID: 2301693						
Sample Duplicate		Sample ID: 23-0021420001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0218	0.0229	0.003	%	5.11	< 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	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	6.68	6.69	0.003	%	0.163	< 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	
9R-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	<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	
CBT	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	

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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.