Columbia LABORATORIES
A Tentamus Company

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

Report Number: 23-002151/D006.R000
Report Date: 02/27/2023
ORELAP#: OR100028
Purchase Order:
Received: 02/20/23 15:07

Customer:	Brothers Apothecary
Product identity:	Essential Oil Roller 1.2
Project Number:	COL-BR-10
Client/Metrc ID:	.
Laboratory ID:	23-002151-0001

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status		
CBD per 1g	14.1		mg/1g		CBD-Total per Serving Size	14.1 mg/1g
					THC-Total per Serving Size	<LOQ

(Reported in milligrams per serving)

Supplemental Testing Notes:

Typical Weight of 10ml Almond/Jojoba Oil Mix: 8.4-8.6g
All EOs made with same infused carrier oil (excluding "Extra Strength Pain Away." See associated sample result for exact information.)

Testing Applies to:
Rested, Pain Away, Unwind, Love, Focus, Insight

Total Sample Analysis:
119.85mg CBD/unit
<LOQ THC/unit

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12423 NE Whitaker Way
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Customer: Brothers Apothecary
                      3423 SE18th Ave
                      Portland OR, 97202
                      United States of America (USA)

Product identity: Pain Away 1.2
Project Number: COL-BR-10
Client/Metrc ID: .
Sample Date:
Laboratory ID: 23-002151-0001
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 9:45:00 AM
Analyte	**Result**	**Limits**	**Units**	**LOQ**	**Notes**
CBD per 1g	14.1		mg/1g	0.332	
CBD-A per 1g	< LOQ		mg/1g	0.0332	
CBD-Total per 1g	14.1		mg/1g	0.361	
CBG per 1g	< LOQ		mg/1g	0.0332	
CBG-A per 1g	< LOQ		mg/1g	0.0332	
CBG-Total per 1g	< LOQ		mg/1g	0.0620	
CBN per 1g	< LOQ		mg/1g	0.0332	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0332	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0332	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0664	
Δ8-THC per 1g	< LOQ		mg/1g	0.0332	
Δ9-THC per 1g	< LOQ		mg/1g	0.0332	
THC-A per 1g	< LOQ		mg/1g	0.0332	
THC-Total per 1g	< LOQ		mg/1g	0.0623	

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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

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

Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

| J AOAC 2015 V98-6 | | | | | 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	
CBC	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	
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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Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 — **Batch ID: 2301693**

Sample Duplicate — Sample ID: **23-002142-0001**

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	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent

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	Quantitaion 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.