



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

Report Number: 23-001818/D006.R000
Report Date: 02/16/2023
ORELAP#: OR100028
Purchase Order:
Received: 02/10/23 14:49

Customer: Brothers Apothecary
Product identity: Extra Strength Pain Away 1.1
Project Number: COL-BR-09
Client/Metric ID: .
Laboratory ID: 23-001818-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBD	2.23		%		CBD-Total per Serving Size 22.3 mg/1g
Analyte per 1g	Result	Limits	Units	Status	THC-Total per Serving Size <LOQ
CBD per 1g	22.3		mg/1g		(Reported in milligrams per serving)

Supplemental Testing Notes:

Typical Weight of 10ml Almond/Jojoba Oil Mix: 8.4-8.6g

Total Sample Analysis:
 189.55mg CBD/unit
 <LOQ THC/unit



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

Report Number: 23-001818/D006.R000
Report Date: 02/16/2023
ORELAP#: OR100028
Purchase Order:
Received: 02/10/23 14:49

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

Product identity: Extra Strength Pain Away 1.1
Project Number: COL-BR-09
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-001818-0001
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)		Units %	Batch: 2301404	Analyze: 2/14/23 5:49:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBD [±]	2.23		%	0.0314	
CBD-A [±]	< LOQ		%	0.00314	
CBD-Total	2.23		%	0.0342	
CBG	< LOQ		%	0.00314	
CBG-A	< LOQ		%	0.00314	
CBG-Total	< LOQ		%	0.00586	
CBN	< LOQ		%	0.00314	
Δ10-THC-9R	< LOQ		%	0.00314	
Δ10-THC-9S	< LOQ		%	0.00314	
Δ10-THC-Total	< LOQ		%	0.00628	
Δ8-THC [±]	< LOQ		%	0.00314	
Δ9-THC [±]	< LOQ		%	0.00314	
THC-A [±]	< LOQ		%	0.00314	
THC-Total	< LOQ		%	0.00589	
Total Cannabinoids	2.23		%		

Potency per 1g	Method: J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2301404	Analyze: 2/14/23 5:49:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1g	22.3		mg/1g	0.314	
CBD-A per 1g	< LOQ		mg/1g	0.0314	
CBD-Total per 1g	22.3		mg/1g	0.342	
CBG per 1g	< LOQ		mg/1g	0.0314	
CBG-A per 1g	< LOQ		mg/1g	0.0314	
CBG-Total per 1g	< LOQ		mg/1g	0.0586	
CBN per 1g	< LOQ		mg/1g	0.0314	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0314	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0314	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0628	
Δ8-THC per 1g	< LOQ		mg/1g	0.0314	



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

Report Number: 23-001818/D006.R000
Report Date: 02/16/2023
ORELAP#: OR100028
Purchase Order:
Received: 02/10/23 14:49

Potency per 1g		Method: J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2301404	Analyze: 2/14/23 5:49:00 AM
Analyte	Result	Limits	Units	LOQ	Notes	
Δ9-THC per 1g	< LOQ		mg/1g	0.0314		
THC-A per 1g	< LOQ		mg/1g	0.0314		
THC-Total per 1g	< LOQ		mg/1g	0.0589		



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

Report Number: 23-001818/D006.R000
Report Date: 02/16/2023
ORELAP#: OR100028
Purchase Order:
Received: 02/10/23 14:49

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



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

Report Number: 23-001818/D006.R000
Report Date: 02/16/2023
ORELAP#: OR100028
Purchase Order:
Received: 02/10/23 14:49

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

Laboratory Quality Control Results

JAOAC2015 V98-6 Batch ID: 2301404

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0394	0.040	%	98.8	80.0	- 120	Acceptable	
CBDV	2	0.0424	0.042	%	99.8	80.0	- 120	Acceptable	
CBE	2	0.0410	0.041	%	98.8	80.0	- 120	Acceptable	
CBDA	1	0.0314	0.032	%	97.9	90.0	- 110	Acceptable	
CBGA	1	0.0311	0.032	%	97.3	80.0	- 120	Acceptable	
CBG	1	0.0326	0.033	%	98.0	80.0	- 120	Acceptable	
CBD	1	0.0315	0.033	%	94.7	90.0	- 110	Acceptable	
THCV	2	0.0394	0.040	%	97.8	80.0	- 120	Acceptable	
d8THCV	2	0.0414	0.042	%	98.7	80.0	- 120	Acceptable	
THCVA	2	0.0372	0.038	%	97.9	80.0	- 120	Acceptable	
CBN	1	0.0325	0.033	%	97.6	80.0	- 120	Acceptable	
exo-THC	2	0.0386	0.040	%	96.4	80.0	- 120	Acceptable	
d9THC	1	0.0324	0.033	%	98.6	90.0	- 110	Acceptable	
d8THC	1	0.0330	0.034	%	97.5	90.0	- 110	Acceptable	
9S-d10THC	1	0.0331	0.034	%	97.1	80.0	- 120	Acceptable	
CBL	2	0.0386	0.040	%	97.4	80.0	- 120	Acceptable	
9R-d10THC	1	0.0310	0.032	%	96.7	80.0	- 120	Acceptable	
CBC	2	0.0407	0.042	%	97.0	80.0	- 120	Acceptable	
THCA	1	0.0310	0.032	%	95.6	90.0	- 110	Acceptable	
CBCA	2	0.0389	0.040	%	96.4	80.0	- 120	Acceptable	
CBLA	2	0.0396	0.041	%	96.9	80.0	- 120	Acceptable	
CBT	2	0.0394	0.041	%	95.1	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



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

Report Number: 23-001818/D006.R000
Report Date: 02/16/2023
ORELAP#: OR100028
Purchase Order:
Received: 02/10/23 14:49

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

Laboratory Quality Control Results

JAOAC2015 V98-6		Batch ID: 2301404						
Sample Duplicate		Sample ID: 23-001767-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0301	0.0306	0.003	%	1.69	< 20	Acceptable	
CBE	0.252	0.250	0.003	%	0.511	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0776	0.0763	0.003	%	1.68	< 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	0.0629	0.0621	0.003	%	1.24	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.0629	0.0603	0.003	%	4.33	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	0.0187	0.0202	0.003	%	7.68	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.295	0.291	0.003	%	1.28	< 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	0.0928	0.0919	0.003	%	1.02	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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

Report Number: 23-001818/D006.R000
Report Date: 02/16/2023
ORELAP#: OR100028
Purchase Order:
Received: 02/10/23 14:49

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.