



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

Report Number: 23-001034/D002.R000
Report Date: 01/31/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/25/23 10:39

Customer: Brothers Apothecary
Product identity: Earl Grey 1.1
Project Number: COL-BR-07
Client/Metric ID: .
Laboratory ID: 23-001034-0004

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBD	0.511		%		CBD-Total per Serving Size 5.11 mg/1g
Analyte per 1g	Result	Limits	Units	Status	THC-Total per Serving Size <LOQ
CBD per 1g	5.11		mg/1g		(Reported in milligrams per serving)

Supplemental Testing Notes:

Typical Net Product Weight: 193 grams
 Container includes 6.8oz / 193 grams

Total Sample Analysis:

986.23mg 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: Earl Grey 1.1

Project Number: COL-BR-07

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-001034-0004

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 7:28:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBD [±]	0.511		%	0.00327	
CBD-A [±]	< LOQ		%	0.00327	
CBD-Total	0.511		%	0.00613	
CBG	< LOQ		%	0.00327	
CBG-A	< LOQ		%	0.00327	
CBG-Total	< LOQ		%	0.00610	
CBN	< LOQ		%	0.00327	
Δ10-THC-9R	< LOQ		%	0.00327	
Δ10-THC-9S	< LOQ		%	0.00327	
Δ10-THC-Total	< LOQ		%	0.00654	
Δ8-THC [±]	< LOQ		%	0.00327	
Δ9-THC [±]	< LOQ		%	0.00327	
THC-A [±]	< LOQ		%	0.00327	
THC-Total	< LOQ		%	0.00613	
Total Cannabinoids	0.511		%		

Potency per 1g	Method: J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2300849	Analyze: 1/27/23 7:28:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1g	5.11		mg/1g	0.0327	
CBD-A per 1g	< LOQ		mg/1g	0.0327	
CBD-Total per 1g	5.11		mg/1g	0.0613	
CBG per 1g	< LOQ		mg/1g	0.0327	
CBG-A per 1g	< LOQ		mg/1g	0.0327	
CBG-Total per 1g	< LOQ		mg/1g	0.0610	
CBN per 1g	< LOQ		mg/1g	0.0327	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0327	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0327	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0654	
Δ8-THC per 1g	< LOQ		mg/1g	0.0327	



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Potency per 1g		Method: J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2300849	Analyze: 1/27/23 7:28:00 AM
Analyte	Result	Limits	Units	LOQ	Notes	
Δ9-THC per 1g	< LOQ		mg/1g	0.0327		
THC-A per 1g	< LOQ		mg/1g	0.0327		
THC-Total per 1g	< LOQ		mg/1g	0.0613		



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

Laboratory Quality Control Results

JACOAC2015 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	
CBG ^A	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-FHC	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-FHC	3	0.0303	0.033	%	90.8	80.0	- 120	Acceptable	
THCA	1	0.0319	0.032	%	101	80.0	- 120	Acceptable	
CBGA	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			
CBG ^A	<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-FHC	<LOQ	0.003	%	<	0.003	Acceptable			
9R-d10THC	<LOQ	0.003	%	<	0.003	Acceptable			
CBC	<LOQ	0.003	%	<	0.003	Acceptable			
9R-FHC	<LOQ	0.003	%	<	0.003	Acceptable			
THCA	<LOQ	0.003	%	<	0.003	Acceptable			
CBGA	<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

JACOAC2015 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	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	2.31	2.30	0.003	%	0.476	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
Δ8THCV	<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	
Δ9THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
Δ8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9SΔ10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9SΔ10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9RΔ10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9RTHC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
Δ8THCO	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
Δ9THCO	<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



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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.