



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



Report Number: 23-005228/D011.R000
Report Date: 05/05/2023
ORELAP#: OR100028
Purchase Order:
Received: 05/01/23 14:42

Customer: Seventh Hill Releaf LLC
Product identity: 500mg Oil
Client/Metric ID: 050020231
Laboratory ID: 23-005228-0002

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBD	1.92		%		CBD-Total per Serving Size 576 mg/30ml
CBG	0.0154		%		
CBN	0.0106		%		THC-Total per Serving Size 1.92 mg/30ml
Δ9-THC	0.00640		%		(Reported in milligrams per serving)
Analyte per 30ml	Result	Limits	Units	Status	
CBD per 30ml	576		mg/30ml		
CBG per 30ml	4.62		mg/30ml		
CBN per 30ml	3.18		mg/30ml		
Δ9-THC per 30ml	1.92		mg/30ml		



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Customer: Seventh Hill Releaf LLC
 215 S 19th St
 Springfield Oregon 97477
 United States of America (USA)

Product identity: 500mg Oil
Client/Metric ID: 050020231
Sample Date:
Laboratory ID: 23-005228-0002
Evidence of Cooling: No
Temp: 21.2
Relinquished by: shipping
Serving Size #1: 30 g
Density: 1.000 g/ml

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2306963	Analyze: 5/3/23 3:06:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD	1.92		%	0.0324	
CBD-A	< LOQ		%	0.00324	
CBD-Total	1.92		%	0.0352	
CBG	0.0154		%	0.00324	
CBG-A	< LOQ		%	0.00324	
CBG-Total	0.0154		%	0.00605	
CBN	0.0106		%	0.00324	
Δ10-THC-9R	< LOQ		%	0.00324	
Δ10-THC-9S	< LOQ		%	0.00324	
Δ10-THC-Total	< LOQ		%	0.00648	
Δ8-THC	< LOQ		%	0.00324	
Δ9-THC	0.00640		%	0.00324	
THC-A	< LOQ		%	0.00324	
THC-Total	0.00640		%	0.00608	
Total Cannabinoids	1.95		%		

Potency per 30ml	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2306963	Analyze: 5/3/23 3:06:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 30ml	576		mg/30ml	9.72	
CBD-A per 30ml	< LOQ		mg/30ml	0.972	
CBD-Total per 30ml	576		mg/30ml	10.6	
CBG per 30ml	4.62		mg/30ml	0.972	
CBG-A per 30ml	< LOQ		mg/30ml	0.972	
CBG-Total per 30ml	4.62		mg/30ml	1.81	
CBN per 30ml	3.18		mg/30ml	0.972	
Δ10-THC-9R per 30ml	< LOQ		mg/30ml	0.972	
Δ10-THC-9S per 30ml	< LOQ		mg/30ml	0.972	
Δ10-THC-Total per 30ml	< LOQ		mg/30ml	1.94	
Δ8-THC per 30ml	< LOQ		mg/30ml	0.972	



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Potency per 30ml		Method: J AOAC 2015 V98-6 (mod) ^b		Units mg/se	Batch: 2306963	Analyze: 5/3/23 3:06:00 AM
Analyte	Result	Limits	Units	LOQ	Notes	
Δ9-THC per 30ml	1.92		mg/30ml	0.972		
THC-A per 30ml	< LOQ		mg/30ml	0.972		
THC-Total per 30ml	1.92		mg/30ml	1.82		



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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.

^p = ISO/IEC 17025:2017 accredited method.

Units of Measure

- g = g
- g/ml = Gram per milliliter
- mg/30ml = Milligram per 30ml
- % = 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
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Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2306963

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0313	0.030	%	103	80.0	- 120	Acceptable	
CBDV	2	0.0308	0.030	%	104	80.0	- 120	Acceptable	
CBE	2	0.0344	0.034	%	101	80.0	- 120	Acceptable	
CBDA	1	0.0316	0.032	%	98.8	90.0	- 110	Acceptable	
CBGA	1	0.0265	0.027	%	98.7	80.0	- 120	Acceptable	
CBG	1	0.0322	0.033	%	99.0	80.0	- 120	Acceptable	
CBD	1	0.0281	0.029	%	97.7	90.0	- 110	Acceptable	
THCV	2	0.0236	0.023	%	104	80.0	- 120	Acceptable	
d8THCV	2	0.0270	0.027	%	101	80.0	- 120	Acceptable	
THCVA	2	0.0322	0.031	%	103	80.0	- 120	Acceptable	
CBN	1	0.0283	0.029	%	99.1	80.0	- 120	Acceptable	
exo-THC	2	0.0313	0.031	%	102	80.0	- 120	Acceptable	
d9THC	1	0.0338	0.034	%	98.6	90.0	- 110	Acceptable	
d8THC	1	0.0331	0.033	%	101	90.0	- 110	Acceptable	
9S-d10THC	1	0.0332	0.034	%	99.0	80.0	- 120	Acceptable	
CBL	2	0.0344	0.032	%	107	80.0	- 120	Acceptable	
9R-d10THC	1	0.0311	0.032	%	98.5	80.0	- 120	Acceptable	
CBC	2	0.0304	0.030	%	101	80.0	- 120	Acceptable	
THCA	1	0.0366	0.037	%	98.3	90.0	- 110	Acceptable	
CBCA	2	0.0325	0.032	%	100	80.0	- 120	Acceptable	
CBLA	2	0.0326	0.032	%	101	80.0	- 120	Acceptable	
d9THCP	2	0.0324	0.032	%	103	80.0	- 120	Acceptable	
CBT	2	0.0326	0.033	%	98.4	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	
d9THCP	<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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Revision: 1 Document ID: 7148
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Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2306963						
Sample Duplicate		Sample ID: 23-005189-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	3.47	3.45	0.003	%	0.441	< 20	Acceptable	
CBD	0.166	0.168	0.003	%	1.19	< 20	Acceptable	
THCV	0.0265	0.0276	0.003	%	4.18	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	3.74	3.75	0.003	%	0.135	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	3.39	3.40	0.003	%	0.407	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	0.0030	0.0032	0.003	%	5.91	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.0625	0.0630	0.003	%	0.814	< 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	
d9THCP	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	0.0171	0.0183	0.003	%	6.83	< 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.