



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



Report Number: 22-012875/D002.R000
Report Date: 10/28/2022
ORELAP#: OR100028
Purchase Order:
Received: 10/21/22 14:29

Customer: Healthy Roots
Product identity: #242, Deep Relief Lotion
Client/Metric ID: .
Laboratory ID: 22-012875-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	CBD-Total per Serving Size 48.2 mg/8g
CBC	0.0257		%		
CBD	0.598		%		
CBD-A	0.00557		%		THC-Total per Serving Size 1.02 mg/8g
Δ9-THC	0.0127		%		(Reported in milligrams per serving)
Analyte per 8g	Result	Limits	Units	Status	
CBC per 8g	2.06		mg/8g		
CBD per 8g	47.8		mg/8g		
CBD-A per 8g	0.446		mg/8g		
Δ9-THC per 8g	1.02		mg/8g		



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Customer: Healthy Roots
Product identity: #242, Deep Relief Lotion
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-012875-0001
Evidence of Cooling: No
Temp: 23.2 °C
Relinquished by: courier
Serving Size #1: 8 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod)		Units %	Batch: 2209185	Analyze: 10/26/22 12:06:00 A
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.0257		%	0.00330	
CBC-A	< LOQ		%	0.00330	
CBC-Total	0.0257		%	0.00620	
CBD [±]	0.598		%	0.00330	
CBD-A [±]	0.00557		%	0.00330	
CBD-Total	0.603		%	0.00620	
CBDV	< LOQ		%	0.00330	
CBDV-A	< LOQ		%	0.00330	
CBDV-Total	< LOQ		%	0.00616	
CBE	< LOQ		%	0.00330	
CBG	< LOQ		%	0.00330	
CBG-A	< LOQ		%	0.00330	
CBG-Total	< LOQ		%	0.00616	
CBL	< LOQ		%	0.00330	
CBL-A	< LOQ		%	0.00330	
CBL-Total	< LOQ		%	0.00620	
CBN	< LOQ		%	0.00330	
CBT	< LOQ		%	0.00330	
Δ8-THCV	< LOQ		%	0.00330	
Δ10-THC	< LOQ		%	0.00330	
Δ8-THC [±]	< LOQ		%	0.00330	
Δ9-THC [±]	0.0127		%	0.00330	
exo-THC	< LOQ		%	0.00330	
THC-A [±]	< LOQ		%	0.00330	
THC-Total	0.0127		%	0.00620	
THCV	< LOQ		%	0.00330	
THCV-A	< LOQ		%	0.00330	
THCV-Total	< LOQ		%	0.00616	
Total Cannabinoids	0.642		%		

Potency per 8g	Method: J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2209185	Analyze: 10/26/22 12:06:00 A
Analyte	Result	Limits	Units	LOQ	Notes



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Potency per 8g Method: J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2209185 Analyze: 10/26/22 12:06:00 A					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 8g	2.06		mg/8g	0.264	
CBC-A per 8g	< LOQ		mg/8g	0.264	
CBC-Total per 8g	2.06		mg/8g	0.496	
CBD per 8g	47.8		mg/8g	0.264	
CBD-A per 8g	0.446		mg/8g	0.264	
CBD-Total per 8g	48.2		mg/8g	0.496	
CBDV per 8g	< LOQ		mg/8g	0.264	
CBDV-A per 8g	< LOQ		mg/8g	0.264	
CBDV-Total per 8g	< LOQ		mg/8g	0.493	
CBE per 8g	< LOQ		mg/8g	0.264	
CBG per 8g	< LOQ		mg/8g	0.264	
CBG-A per 8g	< LOQ		mg/8g	0.264	
CBG-Total per 8g	< LOQ		mg/8g	0.493	
CBL per 8g	< LOQ		mg/8g	0.264	
CBL-A per 8g	< LOQ		mg/8g	0.264	
CBL-Total per 8g	< LOQ		mg/8g	0.496	
CBN per 8g	< LOQ		mg/8g	0.264	
CBT per 8g	< LOQ		mg/8g	0.264	
$\Delta 8$ -THCV per 8g	< LOQ		mg/8g	0.264	
$\Delta 10$ -THC per 8g	< LOQ		mg/8g	0.264	
$\Delta 8$ -THC per 8g	< LOQ		mg/8g	0.264	
$\Delta 9$ -THC per 8g	1.02		mg/8g	0.264	
exo-THC per 8g	< LOQ		mg/8g	0.264	
THC-A per 8g	< LOQ		mg/8g	0.264	
THC-Total per 8g	1.02		mg/8g	0.496	
THCV per 8g	< LOQ		mg/8g	0.264	
THCV-A per 8g	< LOQ		mg/8g	0.264	
THCV-Total per 8g	< LOQ		mg/8g	0.496	
Total Cannabinoids per 8g	51.4		mg/8g		



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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/8g = Milligram per 8g

% = 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

JAOAC2015 V98-6 Batch ID: 2209185

Laboratory Control Sample										
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes	
CBDVA	2	0.0336	0.034	%	100	80.0	- 120	Acceptable		
CBDV	2	0.0373	0.037	%	102	80.0	- 120	Acceptable		
CBE	2	0.0335	0.034	%	98.1	80.0	- 120	Acceptable		
CBD	1	0.0350	0.033	%	104	90.0	- 110	Acceptable		
CBD ^A	1	0.0348	0.034	%	104	80.0	- 120	Acceptable		
CBG	1	0.0364	0.034	%	106	80.0	- 120	Acceptable		
CBD	1	0.0367	0.034	%	107	90.0	- 110	Acceptable		
THCV	2	0.0349	0.035	%	99.3	80.0	- 120	Acceptable		
Δ8THCV	2	0.0351	0.035	%	99.3	80.0	- 120	Acceptable		
THCVA	2	0.0330	0.033	%	100	80.0	- 120	Acceptable		
CBN	1	0.0359	0.034	%	107	90.0	- 110	Acceptable		
exo-THC	2	0.0343	0.034	%	99.8	80.0	- 120	Acceptable		
Δ9THC	1	0.0364	0.035	%	105	90.0	- 110	Acceptable		
Δ8THC	1	0.0347	0.033	%	104	90.0	- 110	Acceptable		
CBL	2	0.0337	0.032	%	105	80.0	- 120	Acceptable		
Δ10THC	1	0.0338	0.032	%	106	80.0	- 120	Acceptable		
CBC	2	0.0363	0.036	%	101	80.0	- 120	Acceptable		
THCA	1	0.0350	0.033	%	106	90.0	- 110	Acceptable		
CBCA	2	0.0339	0.034	%	98.8	80.0	- 120	Acceptable		
CBLA	2	0.0346	0.035	%	99.4	80.0	- 120	Acceptable		
CBT	2	0.0376	0.036	%	105	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	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
CBD ^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	
Δ8THCV	<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	
Δ9THC	<LOQ	0.003	%	< 0.003	Acceptable	
Δ8THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
Δ10THC	<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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Laboratory Quality Control Results

JAOAC2015 V98-6		Batch ID: 2209185						
Sample Duplicate		Sample ID: 22-012875-0001						
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	0.0061	0.0056	0.003	%	8.87	< 20	Acceptable	
CBD ^A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	0.0033	0.0032	0.003	%	1.49	< 20	Acceptable	
CBD	0.613	0.598	0.003	%	2.50	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
Δ ⁸ THCV	<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	
Δ ⁹ THC	0.0131	0.0127	0.003	%	3.41	< 20	Acceptable	
Δ ⁸ THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
Δ ¹⁰ THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.0261	0.0257	0.003	%	1.54	< 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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ND - None Detected at or above MRL
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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.