



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



Report Number: 22-005912/D002.R000
Report Date: 05/31/2022
ORELAP#: OR100028
Purchase Order:
Received: 05/20/22 14:39

Customer: Healthy Roots
Product identity: #210, 1600mg Deep Relief
Client/Metric ID: .
Laboratory ID: 22-005912-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	CBD-Total per 128g	1890 mg/128g
CBC	0.0543		%			
CBD	1.47		%			
CBD-A	0.0118		%		THC-Total per 128g	35.2 mg/128g
CBDV [†]	0.00415		%		(Reported in milligrams per serving)	
CBG [†]	0.00747		%			
CBN	0.00509		%			
CBT [†]	0.00434		%			
Δ8-THC	0.00449		%			
Δ9-THC	0.0275		%			
Analyte per 128g	Result	Limits	Units	Status		
CBC per 128g [†]	69.5		mg/128g			
CBD per 128g	1880		mg/128g			
CBD-A per 128g	15.1		mg/128g			
CBDV per 128g [†]	5.31		mg/128g			
CBG per 128g [†]	9.56		mg/128g			
CBN per 128g	6.52		mg/128g			
CBT per 128g [†]	5.56		mg/128g			
Δ8-THC per 128g [†]	5.75		mg/128g			
Δ9-THC per 128g	35.2		mg/128g			



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Product identity: #210, 1600mg Deep Relief
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-005912-0001
Evidence of Cooling: No
Temp: 25.1 °C
Relinquished by: Client
Serving Size #1: 128 g

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Units %	Batch: 2204569	Analyze: 5/31/22 10:11:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.0543		%	0.0033	
CBC-A†	< LOQ		%	0.0033	
CBC-Total†	0.0543		%	0.0061	
CBD	1.47		%	0.0326	
CBD-A	0.0118		%	0.0033	
CBD-Total	1.48		%	0.0355	
CBDV†	0.00415		%	0.0033	
CBDV-A†	< LOQ		%	0.0033	
CBDV-Total†	< LOQ		%	0.0061	
CBE†	< LOQ		%	0.0033	
CBG†	0.00747		%	0.0033	
CBG-A†	< LOQ		%	0.0033	
CBG-Total	0.00747		%	0.0061	
CBL†	< LOQ		%	0.0033	
CBL-A†	< LOQ		%	0.0033	
CBL-Total†	< LOQ		%	0.0061	
CBN	0.00509		%	0.0033	
CBT†	0.00434		%	0.0033	
Δ8-THCV	< LOQ		%	0.0033	
Δ8-THC	0.00449		%	0.0033	
Δ9-THC	0.0275		%	0.0033	
exo-THC	< LOQ		%	0.0033	
THC-A	< LOQ		%	0.0033	
THC-Total	0.0275		%	0.0061	
THCV†	< LOQ		%	0.0033	
THCV-A†	< LOQ		%	0.0033	
THCV-Total†	< LOQ		%	0.0061	
Total Cannabinoids†	1.59		%		

Potency per 128g	Method J AOAC 2015 V98-6 (mod)Units mg/se			Batch: 2204569	Analyze: 5/31/22 10:11:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 128g†	69.5		mg/128g	4.17	



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Potency per 128g					
Method J AOAC 2015 V98-6 (mod)Units mg/se Batch: 2204569 Analyze: 5/31/22 10:11:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC-A per 128g [†]	< LOQ		mg/128g	4.17	
CBC-Total per 128g [†]	69.5		mg/128g	7.83	
CBD per 128g	1880		mg/128g	41.7	
CBD-A per 128g	15.1		mg/128g	4.17	
CBD-Total per 128g	1890		mg/128g	45.4	
CBDV per 128g [†]	5.31		mg/128g	4.17	
CBDV-A per 128g [†]	< LOQ		mg/128g	4.17	
CBDV-Total per 128g [†]	< LOQ		mg/128g	7.79	
CBE per 128g [†]	< LOQ		mg/128g	4.17	
CBG per 128g [†]	9.56		mg/128g	4.17	
CBG-A per 128g [†]	< LOQ		mg/128g	4.17	
CBG-Total per 128g [†]	9.56		mg/128g	7.79	
CBL per 128g [†]	< LOQ		mg/128g	4.17	
CBL-A per 128g [†]	< LOQ		mg/128g	4.17	
CBL-Total per 128g [†]	< LOQ		mg/128g	7.83	
CBN per 128g	6.52		mg/128g	4.17	
CBT per 128g [†]	5.56		mg/128g	4.17	
Δ8-THCV per 128g [†]	< LOQ		mg/128g	4.17	
Δ8-THC per 128g [†]	5.75		mg/128g	4.17	
Δ9-THC per 128g	35.2		mg/128g	4.17	
exo-THC per 128g [†]	< LOQ		mg/128g	4.17	
THC-A per 128g	< LOQ		mg/128g	4.17	
THC-Total per 128g	35.2		mg/128g	7.83	
THCV per 128g [†]	< LOQ		mg/128g	4.17	
THCV-A per 128g [†]	< LOQ		mg/128g	4.17	
THCV-Total per 128g [†]	< LOQ		mg/128g	7.84	
Total Cannabinoids per 128g	2030		mg/128g		



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These test results are representative of the individual sample selected and submitted by the client.

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.

† = Analyte not NELAP accredited.

Units of Measure

g = g

mg/128g = Milligram per 128g

% = 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 V986 Batch ID: 2204551/2204569									
Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	1	0.0324	0.033	%	97.3	80.0 - 120	Acceptable		
CBDV	1	0.0352	0.033	%	106	80.0 - 120	Acceptable		
CBE	1	0.0313	0.033	%	94.0	80.0 - 120	Acceptable		
CEDA	1	0.0311	0.033	%	93.3	90.0 - 110	Acceptable		
CEGA	1	0.0299	0.033	%	89.8	80.0 - 120	Acceptable		
CEG	1	0.0301	0.033	%	90.2	80.0 - 120	Acceptable		
CBD	1	0.0335	0.033	%	101	90.0 - 110	Acceptable		
THCV	1	0.0323	0.033	%	97.0	80.0 - 120	Acceptable		
d8THCV	1	0.0330	0.033	%	99.1	80.0 - 120	Acceptable		
THCVA	1	0.0310	0.033	%	93.1	80.0 - 120	Acceptable		
CBN	1	0.0329	0.033	%	98.7	90.0 - 110	Acceptable		
exo-THC	1	0.0312	0.033	%	93.7	80.0 - 120	Acceptable		
d9THC	1	0.0315	0.033	%	94.5	90.0 - 110	Acceptable		
d8THC	1	0.0307	0.033	%	92.0	80.0 - 120	Acceptable		
CBL	1	0.0303	0.033	%	90.9	80.0 - 120	Acceptable		
CBC	1	0.0341	0.033	%	102	80.0 - 120	Acceptable		
THCA	1	0.0301	0.033	%	90.2	90.0 - 110	Acceptable		
CECA	1	0.0327	0.033	%	98.0	80.0 - 120	Acceptable		
CBLA	1	0.0316	0.033	%	94.8	80.0 - 120	Acceptable		
CBF	1	0.0323	0.033	%	96.9	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	
CEDA	<LOQ	0.003	%	< 0.003	Acceptable	
CEGA	<LOQ	0.003	%	< 0.003	Acceptable	
CEG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	0.0036	0.003	%	< 0.003	Outlier	B1
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	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
CBC	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CECA	<LOQ	0.003	%	< 0.003	Acceptable	
CBLA	<LOQ	0.003	%	< 0.003	Acceptable	
CBF	<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 V986				Batch ID: 2204551/2204569				
Sample Duplicate				Sample ID: 22-006111-0001				
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0131	0.0108	0.003	%	19.7	< 20	Acceptable	
CBE	0.120	0.101	0.003	%	17.7	< 20	Acceptable	
CBDa	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBSa	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBS	0.0587	0.0495	0.003	%	16.9	< 20	Acceptable	
CBD	3.42	2.88	0.003	%	17.1	< 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	0.0448	0.0378	0.003	%	17.1	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.145	0.121	0.003	%	17.7	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	0.0066	0.0063	0.003	%	3.37	< 20	Acceptable	
CBC	0.0343	0.0285	0.003	%	18.3	< 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	
CBF	0.151	0.127	0.003	%	17.5	< 20	Acceptable	

Abbreviations

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

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.