



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



**Report Number:** 20-007247/D05.R00  
**Report Date:** 07/17/2020  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 07/13/20 16:09

**Customer:** Healthy Roots  
**Product identity:** #91 800 Deep Relief  
**Client/Metric ID:** .  
**Laboratory ID:** 20-007247-0002

## Summary

### Potency:

Analyte	Result	Limits	Units	Status	CBD-Total per 130g	844 mg/130g
CBC	0.00411		%			
CBC-A†	0.0114		%			
CBD	0.453		%		THC-Total per 130g	12.5 mg/130g
CBD-A	0.224		%			
CBG-A†	0.00959		%			
Δ9-THC	0.00467		%			
THC-A	0.00566		%			
					(Reported in milligrams per serving)	
Analyte per 130g	Result	Limits	Units	Status		
CBC per 130g	5.34		mg/130g			
CBC-A per 130g	14.8		mg/130g			
CBD per 130g	589		mg/130g			
CBD-A per 130g	291		mg/130g			
CBG-A per 130g	12.5		mg/130g			
Δ9-THC per 130g	6.07		mg/130g			
THC-A per 130g	7.36		mg/130g			



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**Customer:** Healthy Roots

**Product identity:** #91 800 Deep Relief

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 20-007247-0002

**Relinquished by:** Liz Merritt

**Temp:** 26.9 °C

## Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)		Batch: 2005796	Analyze: 7/14/20 8:05:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.00411		%	0.0032	
CBC-A†	0.0114		%	0.0032	
CBC-Total†	0.0141		%	0.0060	
CBD	0.453		%	0.0032	
CBD-A	0.224		%	0.0032	
CBD-Total	0.650		%	0.0060	
CBDV†	< LOQ		%	0.0032	
CBDV-A†	< LOQ		%	0.0032	
CBDV-Total†	< LOQ		%	0.0060	
CBG†	< LOQ		%	0.0032	
CBG-A†	0.00959		%	0.0032	
CBG-Total	0.00842		%	0.0060	
CBL†	< LOQ		%	0.0032	
CBN	< LOQ		%	0.0032	
Δ8-THC†	< LOQ		%	0.0032	
Δ9-THC	0.00467		%	0.0032	
THC-A	0.00566		%	0.0032	
THC-Total	0.00964		%	0.0060	
THCV†	< LOQ		%	0.0032	
THCV-A†	< LOQ		%	0.0032	
THCV-Total†	< LOQ		%	0.0060	
<b>Total Cannabinoids†</b>	<b>0.712</b>		%		

Potency per 130g	Method J AOAC 2015 V98-6 (mod)		Batch: 2005796	Analyze: 7/14/20 8:05:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 130g	5.34		mg/130g	4.18	
CBC-A per 130g	14.8		mg/130g	4.18	
CBC-Total per 130g	18.3		mg/130g	7.85	
CBD per 130g	589		mg/130g	4.18	
CBD-A per 130g	291		mg/130g	4.18	
CBD-Total per 130g	844		mg/130g	7.85	
CBDV per 130g	< LOQ		mg/130g	4.18	
CBDV-A per 130g	< LOQ		mg/130g	4.18	
CBDV-Total per 130g	< LOQ		mg/130g	7.81	



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Potency per 130g					
Method J AOAC 2015 V98-6 (mod) Batch: 2005796 Analyze: 7/14/20 8:05:00 PM					
Analyte	Result	Limits	Units	LOQ	Notes
CBG per 130g	< LOQ		mg/130g	4.18	
CBG-A per 130g	12.5		mg/130g	4.18	
CBG-Total per 130g	14.1		mg/130g	7.81	
CBL per 130g	< LOQ		mg/130g	4.18	
CBN per 130g	< LOQ		mg/130g	4.18	
$\Delta$ 8-THC per 130g	< LOQ		mg/130g	4.18	
$\Delta$ 9-THC per 130g	6.07		mg/130g	4.18	
THC-A per 130g	7.36		mg/130g	4.18	
THC-Total per 130g	12.5		mg/130g	7.85	
THCV per 130g	< LOQ		mg/130g	4.18	
THCV-A per 130g	< LOQ		mg/130g	4.18	
THCV-Total per 130g	< LOQ		mg/130g	7.86	
<b>Total Cannabinoids 130g<sup>†</sup></b>	<b>929</b>		mg/130g		



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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

**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 = Gram

mg/130g = Milligram per 130g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager





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Revision #: 0.00 Control : CFL-D06  
Revision Date: 05/31/2019 Effective Date: 05/31/2019

#### Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2005796										
Laboratory Control Sample										
Analyte	Result		Spike	Units	% Rec	Limits		Evaluation	Notes	
CBDV-A	0.00932		0.01	%	93.2	85.0 - 115		Acceptable		
CBDV	0.00984		0.01	%	98.4	85.0 - 115		Acceptable		
CBD-A	0.00965		0.01	%	96.5	85.0 - 115		Acceptable		
CBG-A	0.00939		0.01	%	93.9	85.0 - 115		Acceptable		
CBG	0.00931		0.01	%	93.1	85.0 - 115		Acceptable		
CBD	0.00903		0.01	%	90.3	85.0 - 115		Acceptable		
THCV	0.00936		0.01	%	93.6	85.0 - 115		Acceptable		
THCVA	0.00929		0.01	%	92.9	85.0 - 115		Acceptable		
CBN	0.00977		0.01	%	97.7	85.0 - 115		Acceptable		
THC	0.00987		0.01	%	98.7	85.0 - 115		Acceptable		
D8THC	0.00855		0.01	%	85.5	85.0 - 115		Acceptable		
CBL	0.0101		0.01	%	101	85.0 - 115		Acceptable		
CBC	0.00937		0.01	%	93.7	85.0 - 115		Acceptable		
THCA	0.00888		0.01	%	88.8	85.0 - 115		Acceptable		
CBCA	0.00884		0.01	%	88.4	85.0 - 115		Acceptable		

#### Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes	
CBDV-A	<LOQ	0.003	%	< 0.003	Acceptable		
CBDV	<LOQ	0.003	%	< 0.003	Acceptable		
CBD-A	<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		
THCVA	<LOQ	0.003	%	< 0.003	Acceptable		
CBN	<LOQ	0.003	%	< 0.003	Acceptable		
THC	<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		
CBCA	<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 #: 0.00 Control : CFL-D06  
Revision Date: 05/31/2019 Effective Date: 05/31/2019

#### Laboratory Quality Control Results

J AOAC 2015 V98-6						Batch ID: 2005796		
Sample Duplicate						Sample ID: 20-007055-0001		
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	0.501	0.432	0.003	%	15	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	

#### Abbreviations

ND - None Detected at or above MRL  
RPD - Relative Percent Difference  
LOQ - Limit of Quantitation  
NA - Calculation Not Applicable given non-numerical results

#### 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.