



This report cannot be used for ODA, OHA or OLCC compliance requirements.

**Product identity:** 1000 Berry  
**Laboratory ID:** 19-002047-0001

**Client/Metric ID:**  
**Sample Date:**

**Summary**

**Potency:**

Analyte	Result	Limits	Units	LOQ	
CBC <sup>†</sup>	0.188		%	0.0032	CBD-Total per 28.5g 853 mg/28.5g
CBD	2.99		%	0.0321	
CBD-A	0.00376		%	0.0032	THC-Total per 28.5g 52.2 mg/28.5g
CBDV <sup>†</sup>	0.0143		%	0.0032	(Reported in milligrams per serving)
CBG <sup>†</sup>	0.0269		%	0.0032	
CBN	0.00882		%	0.0032	
Δ9-THC	0.183		%	0.0032	
THCV <sup>†</sup>	0.00888		%	0.0032	
Analyte per 28.5g	Result	Limits	Units	LOQ	
CBC per 28.5g <sup>†</sup>	53.6		mg/28.5g	0.950	
CBD per 28.5g	852		mg/28.5g	0.950	
CBD-A per 28.5g	1.07		mg/28.5g	0.950	
CBDV per 28.5g <sup>†</sup>	4.08		mg/28.5g	0.950	
CBG per 28.5g <sup>†</sup>	7.67		mg/28.5g	0.950	
CBN per 28.5g	2.51		mg/28.5g	0.950	
Δ9-THC per 28.5g	52.2		mg/28.5g	0.950	
THCV per 28.5g <sup>†</sup>	2.53		mg/28.5g	0.950	



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**Customer:** Healthy Roots  
**Product identity:** 1000 Berry  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 19-002047-0001  
**Relinquished by:** Healthy Roots  
**Temp:** 19.3 °C  
**Serving Size #1:** 28.5 g

**Sample Results**

Potency		Batch: 1901740					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC <sup>†</sup>	0.188		%	0.0032	02/28/19	J AOAC 2015 V98-6	
CBC-A <sup>†</sup>	< LOQ		%	0.0032	02/28/19	J AOAC 2015 V98-6	
CBC-Total <sup>†</sup>	0.188		%	0.0063	02/28/19	J AOAC 2015 V98-6	
CBD	2.99		%	0.0321	02/28/19	J AOAC 2015 V98-6	
CBD-A	0.00376		%	0.0032	02/28/19	J AOAC 2015 V98-6	
CBD-Total	2.99		%	0.0063	02/28/19	J AOAC 2015 V98-6	
CBDV <sup>†</sup>	0.0143		%	0.0032	02/28/19	J AOAC 2015 V98-6	
CBDV-A <sup>†</sup>	< LOQ		%	0.0032	02/28/19	J AOAC 2015 V98-6	
CBDV-Total <sup>†</sup>	0.0143		%	0.0062	02/28/19	J AOAC 2015 V98-6	
CBG <sup>†</sup>	0.0269		%	0.0032	02/28/19	J AOAC 2015 V98-6	
CBG-A <sup>†</sup>	< LOQ		%	0.0032	02/28/19	J AOAC 2015 V98-6	
CBG-Total <sup>†</sup>	0.0269		%	0.0063	02/28/19	J AOAC 2015 V98-6	
CBL <sup>†</sup>	< LOQ		%	0.0032	02/28/19	J AOAC 2015 V98-6	
CBN	0.00882		%	0.0032	02/28/19	J AOAC 2015 V98-6	
Δ8-THC <sup>†</sup>	< LOQ		%	0.0032	02/28/19	J AOAC 2015 V98-6	
Δ9-THC	0.183		%	0.0032	02/28/19	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0032	02/28/19	J AOAC 2015 V98-6	
THC-Total	0.183		%	0.0063	02/28/19	J AOAC 2015 V98-6	
THCV <sup>†</sup>	0.00888		%	0.0032	02/28/19	J AOAC 2015 V98-6	
THCV-A <sup>†</sup>	< LOQ		%	0.0032	02/28/19	J AOAC 2015 V98-6	
THCV-Total <sup>†</sup>	< LOQ		%	0.0062	02/28/19	J AOAC 2015 V98-6	

Potency per 28.5g		Batch: 1901740					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 28.5g <sup>†</sup>	53.6		mg/28.5g	0.950	02/28/19	J AOAC 2015 V98-6	
CBC-A per 28.5g <sup>†</sup>	< LOQ		mg/28.5g	0.950	02/28/19	J AOAC 2015 V98-6	
CBC-Total per 28.5g <sup>†</sup>	53.6		mg/28.5g	1.78	02/28/19	J AOAC 2015 V98-6	
CBD per 28.5g	852		mg/28.5g	0.950	02/28/19	J AOAC 2015 V98-6	
CBD-A per 28.5g	1.07		mg/28.5g	0.950	02/28/19	J AOAC 2015 V98-6	

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.



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Potency per 28.5g		Batch: 1901740					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBD-Total per 28.5g	853		mg/28.5g	1.78	02/28/19	J AOAC 2015 V98-6	
CBDV per 28.5g†	4.08		mg/28.5g	0.950	02/28/19	J AOAC 2015 V98-6	
CBDV-A per 28.5g†	< LOQ		mg/28.5g	0.950	02/28/19	J AOAC 2015 V98-6	
CBDV-Total per 28.5g†	4.08		mg/28.5g	1.77	02/28/19	J AOAC 2015 V98-6	
CBG per 28.5g†	7.67		mg/28.5g	0.950	02/28/19	J AOAC 2015 V98-6	
CBG-A per 28.5g†	< LOQ		mg/28.5g	0.950	02/28/19	J AOAC 2015 V98-6	
CBG-Total per 28.5g†	7.67		mg/28.5g	1.78	02/28/19	J AOAC 2015 V98-6	
CBL per 28.5g†	< LOQ		mg/28.5g	0.950	02/28/19	J AOAC 2015 V98-6	
CBN per 28.5g	2.51		mg/28.5g	0.950	02/28/19	J AOAC 2015 V98-6	
Δ8-THC per 28.5g†	< LOQ		mg/28.5g	0.950	02/28/19	J AOAC 2015 V98-6	
Δ9-THC per 28.5g	52.2		mg/28.5g	0.950	02/28/19	J AOAC 2015 V98-6	
THC-A per 28.5g	< LOQ		mg/28.5g	0.950	02/28/19	J AOAC 2015 V98-6	
THC-Total per 28.5g	52.2	5.00	mg/28.5g	1.78	02/28/19	J AOAC 2015 V98-6	
THCV per 28.5g†	2.53		mg/28.5g	0.950	02/28/19	J AOAC 2015 V98-6	
THCV-A per 28.5g†	< LOQ		mg/28.5g	0.950	02/28/19	J AOAC 2015 V98-6	
THCV-Total per 28.5g†	2.53		mg/28.5g	1.77	02/28/19	J AOAC 2015 V98-6	



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**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.

**Units of Measure**

g = Gram

mg/28.5g = Milligram per 28.5g

% = Percentage of sample

% wt =  $\mu\text{g/g}$  divided by 10,000

Approved Signatory

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Derrick Tanner  
General Manager



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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

**Cannabis Chain of Custody Record**

HEALTHYROOTS 19-002047



R100028

base Order Number:

act Number:

Project Name:

- Report Instructions:
- Send to State - METRC
- Email Final Results:
- Fax Final Results
- Cash/Check/CC/Net 30
- Other:

Company: Healthy Roots  
Contact: \_\_\_\_\_  
Address: 14325 NE Airport way Portland  
Email: Healthyroots hemp@gmail.com  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
Processor's License: \_\_\_\_\_

Analysis Requester

Healthy Roots

Field ID	Date/Time Collected	Pesticides	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Microbiology	Metals	Matrix	Weight	Serving size for edibles	Comments/Metric ID	Cont #'s
1000 Berry			X											
1000 mint		X	X											
1000 Scoi Berry			X											
500 mint			X											
<del>1000 Berry</del>		<del>X</del>	<del>X</del>											
ISOLATE			X											

*July*  
19.3 not cooled  
2-26-19  
16:06

Revision: 0.00 Control#: CF023  
Effective: 04/20/2018 Revised: 04/20/2018

www.pixislabs.com

*[Signature]*

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TO 02-26-19

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**Laboratory Quality Control Results**

**J AOAC 2015 V98-6** **Batch ID: 1901740**

Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDV-A	0.00946	0.01	%	94.6	85 - 115	Acceptable		
CBDV	0.00966	0.01	%	96.6	85 - 115	Acceptable		
CBD-A	0.00955	0.01	%	95.5	85 - 115	Acceptable		
CBG-A	0.00946	0.01	%	94.6	85 - 115	Acceptable		
CBG	0.00974	0.01	%	97.4	85 - 115	Acceptable		
CBD	0.00891	0.01	%	89.1	85 - 115	Acceptable		
THCV	0.00938	0.01	%	93.8	85 - 115	Acceptable		
THCVA	0.00932	0.01	%	93.2	85 - 115	Acceptable		
CBN	0.0101	0.01	%	101	85 - 115	Acceptable		
THC	0.0100	0.01	%	100	85 - 115	Acceptable		
D8THC	0.00914	0.01	%	91.4	85 - 115	Acceptable		
CBL	0.00904	0.01	%	90.4	85 - 115	Acceptable		
CBC	0.0101	0.01	%	101	85 - 115	Acceptable		
THCA	0.00975	0.01	%	97.5	85 - 115	Acceptable		
CBCA	0.00922	0.01	%	92.2	85 - 115	Acceptable		

**Method Blank**

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes	
CBDV-A	ND	0.005	%	< 0.005	Acceptable		
CBDV	ND	0.005	%	< 0.005	Acceptable		
CBD-A	ND	0.005	%	< 0.005	Acceptable		
CBG-A	ND	0.005	%	< 0.005	Acceptable		
CBG	ND	0.005	%	< 0.005	Acceptable		
CBD	ND	0.005	%	< 0.005	Acceptable		
THCV	ND	0.005	%	< 0.005	Acceptable		
THCVA	ND	0.005	%	< 0.005	Acceptable		
CBN	ND	0.005	%	< 0.005	Acceptable		
THC	ND	0.005	%	< 0.005	Acceptable		
D8THC	ND	0.005	%	< 0.005	Acceptable		
CBL	ND	0.005	%	< 0.005	Acceptable		
CBC	ND	0.005	%	< 0.005	Acceptable		
THCA	ND	0.005	%	< 0.005	Acceptable		
CBCA	ND	0.005	%	< 0.005	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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J AOAC 2015 V98-6		Batch ID: 1901740						
Sample Duplicate		Sample ID: 19-001788-0002						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	ND	ND	0.005	%	0	< 20	Acceptable	
CBDV	ND	ND	0.005	%	0	< 20	Acceptable	
CBD-A	ND	ND	0.005	%	0	< 20	Acceptable	
CBG-A	0.011	0.0105	0.005	%	4.65	< 20	Acceptable	
CBG	1.03	0.991	0.005	%	3.86	< 20	Acceptable	
CBD	0.0402	0.0364	0.005	%	9.92	< 20	Acceptable	
THCV	0.00738	0.00661	0.005	%	11.0	< 20	Acceptable	
THCVA	ND	ND	0.005	%	0	< 20	Acceptable	
CBN	ND	ND	0.005	%	0	< 20	Acceptable	
THC	0.0152	0.0151	0.005	%	0.660	< 20	Acceptable	
D8THC	0.00687	0.00666	0.005	%	3.10	< 20	Acceptable	
CBL	ND	ND	0.005	%	0	< 20	Acceptable	
CBC	0.102	0.102	0.005	%	0	< 20	Acceptable	
THCA	ND	ND	0.005	%	0	< 20	Acceptable	
CBCA	ND	ND	0.005	%	0	< 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	Quantitaion 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.