



Report Number: 22-008874/D002.R001

**Report Date:** 08/05/2022 **ORELAP#:** OR100028

**Purchase Order:** 

**Received:** 07/27/22 13:42

This is an amended version of report# 22-008874/D002.R000. Reason: Sample re-extracted for potency.

16.8

Customer: Healthy Roots
Product identity: #223 500mg Pet

Client/Metrc ID:

 $\Delta 9$ -THC per 28.5g

**Laboratory ID:** 22-008874-0001

# Summary

Analyte	Result	Limits	Units	Status	CBD-Total per Serving Size 528 mg/28.5g
CBC	0.0708		%		
CBD	1.85		%		
CBD-A	0.00383		%		THC-Total per Serving Size 16.8 mg/28.5g
CBDV	0.0107		%		(Reported in milligrams per serving)
CBG	0.0284		%		(Reported in milligrams per serving)
CBT	0.0146		%		
∆8-THC	0.0207		%		
Δ9-THC	0.0590		%		
Analyte per 28.5g	Result	Limits	Units	Status	
CBC per 28.5g	20.2		mg/28.5g		
CBD per 28.5g	527		mg/28.5g		
CBD-A per 28.5g	1.09		mg/28.5g		
CBDV per 28.5g	3.05		mg/28.5g		
CBG per 28.5g	8.09		mg/28.5g		
CBT per 28.5g	4.16		mg/28.5g		
∆8-THC per 28.5g	5.90		mg/28.5g		

mg/28.5g





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**Customer:** Healthy Roots

Product identity: #223 500mg Pet

Client/Metrc ID:

Sample Date:

**Laboratory ID:** 22-008874-0001

Evidence of Cooling: No
Temp: 29 °C
Relinquished by: Client
Serving Size #1: 28.5 g

# **Sample Results**

Potency	Method: J AOAC 2015 V98	-6 (mod) <sup>þ</sup>	Units %	Batch: 2206565	<b>Analyze:</b> 8/3/22 10:11:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.0708		%	0.00331	
CBC-A	< LOQ		%	0.00331	
CBC-Total	0.0708		%	0.00621	
CBD	1.85		%	0.0331	
CBD-A	0.00383		%	0.00331	
CBD-Total	1.85		%	0.0360	
CBDV	0.0107		%	0.00331	
CBDV-A	< LOQ		%	0.00331	
CBDV-Total	0.0107		%	0.00617	
CBE	< LOQ		%	0.00331	
CBG	0.0284		%	0.00331	
CBG-A	< LOQ		%	0.00331	
CBG-Total	0.0284		%	0.00617	
CBL	< LOQ		%	0.00331	
CBL-A	< LOQ		%	0.00331	
CBL-Total	< LOQ		%	0.00621	
CBN	< LOQ		%	0.00331	
CBT	0.0146		%	0.00331	
Δ8-THCV	< LOQ		%	0.00331	
$\Delta 8$ -THC	0.0207		%	0.00331	
Δ9-THC	0.0590		%	0.00331	
exo-THC	< LOQ		%	0.00331	
THC-A	< LOQ		%	0.00331	
THC-Total	0.0590		%	0.00621	
THCV	< LOQ		%	0.00331	
THCV-A	< LOQ		%	0.00331	
THCV-Total	< LOQ		%	0.00617	
Total Cannabinoids	2.06		%		

Potency per 28.5g	Method: J AOAC 2015 VS	Units mg/se Batc	<b>h:</b> 2206565	<b>Analyze:</b> 8/3/22 10:11:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 28.5g	20.2		mg/28.5g	0.942	

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Page 2 of 10



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07/27/22 13:42 Received:

Potency per 28.5g	Method: J AOAC 2015 V	98-6 (mod) <sup>þ</sup>	Units mg/se Bato	h: 2206565	<b>Analyze:</b> 8/3/22 10:11:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC-A per 28.5g	< LOQ		mg/28.5g	0.942	
CBC-Total per 28.5g	20.2		mg/28.5g	1.77	
CBD per 28.5g	527		mg/28.5g	9.42	
CBD-A per 28.5g	1.09		mg/28.5g	0.942	
CBD-Total per 28.5g	528		mg/28.5g	10.2	
CBDV per 28.5g	3.05		mg/28.5g	0.942	
CBDV-A per 28.5g	< LOQ		mg/28.5g	0.942	
CBDV-Total per 28.5g	3.05		mg/28.5g	1.76	
CBE per 28.5g	< LOQ		mg/28.5g	0.942	
CBG per 28.5g	8.09		mg/28.5g	0.942	
CBG-A per 28.5g	< LOQ		mg/28.5g	0.942	
CBG-Total per 28.5g	8.09		mg/28.5g	1.76	
CBL per 28.5g	< LOQ		mg/28.5g	0.942	
CBL-A per 28.5g	< LOQ		mg/28.5g	0.942	
CBL-Total per 28.5g	< LOQ		mg/28.5g	1.77	
CBN per 28.5g	< LOQ		mg/28.5g	0.942	
CBT per 28.5g	4.16		mg/28.5g	0.942	
$\Delta 8$ -THCV per 28.5g	< LOQ		mg/28.5g	0.942	
$\Delta 8$ -THC per 28.5g	5.90		mg/28.5g	0.942	
$\Delta 9$ -THC per 28.5g	16.8		mg/28.5g	0.942	
exo-THC per 28.5g	< LOQ		mg/28.5g	0.942	
THC-A per 28.5g	< LOQ		mg/28.5g	0.942	
THC-Total per 28.5g	16.8		mg/28.5g	1.77	
THCV per 28.5g	< LOQ		mg/28.5g	0.942	
THCV-A per 28.5g	< LOQ		mg/28.5g	0.942	
THCV-Total per 28.5g	< LOQ		mg/28.5g	1.77	
Total Cannabinoids per 28.	5g 587		mg/28.5g		





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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.

b = ISO/IEC 17025:2017 accredited method.

### Units of Measure

g = g mg/28.5g = Milligram per 28.5g% = Percentage of sample % wt =  $\mu g/g$  divided by 10,000

Approved Signatory

Derrick Tanner General Manager



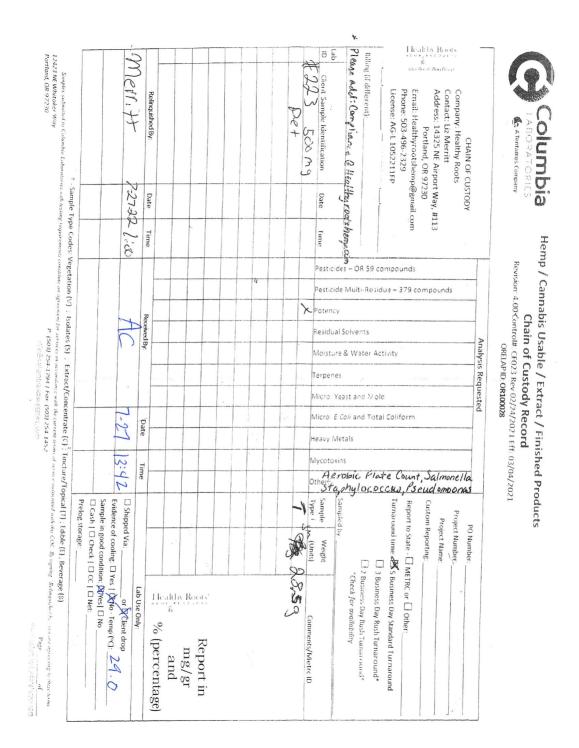


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Revision: 1 Document ID: 7148 Legacy ID: Worksheet Validated 04/20/2021

#### Laboratory Quality Control Results

JAOAC2015 V986	;	Batch ID: 2206565							
Laboratory Control	Sample								
Analyte	LCS	Result	Spike	Units	%Rec	Limi	ts	Evaluation	Notes
CBDVA	1	0.0335	0.033	%	100	80.0 -	120	Acceptable	
CBDV	1	0.0368	0.033	%	110	80.0 -	120	Acceptable	
CEE	1	0.0331	0.033	%	99.3	80.0 -	120	Acceptable	
CBDA	1	0.0325	0.032	%	101	90.0 -	110	Acceptable	
CBGA	1	0.0325	0.032	%	101	80.0 -	120	Acceptable	
CBG	1	0.0345	0.034	%	102	80.0 -	120	Acceptable	
CBD	1	0.0343	0.033	%	102	90.0 -	110	Acceptable	
THCV	1	0.0337	0.033	%	101	80.0 -	120	Acceptable	
d8THCV	1	0.0341	0.033	%	102	80.0 -	120	Acceptable	
THCVA	1	0.0315	0.033	%	94.5	80.0 -	120	Acceptable	
CBN	1	0.0352	0.034	%	103	90.0 -	110	Acceptable	
exo-THC	1	0.0334	0.033	%	100	80.0 -	120	Acceptable	
d9THC	1	0.0367	0.037	%	99.4	90.0 -	110	Acceptable	
d8THC	1	0.0333	0.033	%	99.8	90.0 -	110	Acceptable	
CB.	1	0.0307	0.033	%	92.0	80.0 -	120	Acceptable	
CBC	1	0.0343	0.033	%	103	80.0 -	120	Acceptable	
THCA	1	0.0314	0.032	%	99.3	90.0 -	110	Acceptable	
CBCA	1	0.0337	0.033	%	101	80.0 -	120	Acceptable	
CB.A	1	0.0344	0.033	%	103	80.0 -	120	Acceptable	
CBI	1	0.0348	0.033	%	104	80.0 -	120	Acceptable	

#### Method Blank

Analyte	Result	LOQ	Uhits	Limits	Evaluation	Notes
CBDVA	⊲LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CEE	⊲LOQ	0.003	%	< 0.003	Acceptable	
CBDA	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBGA	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBG	⊲LOQ	0.003	%	< 0.003	Acceptable	
CBD	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THCV	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
d8THCV	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THCVA	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBN	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
exo-THC	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
d9THC	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
d8THC	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CB.	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBC	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THCA	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBCA	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CB.A	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBT	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	

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

Units of Measure: %- Percent





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Revision: 1 Document ID: 7148 Legacy ID: Worksheet Validated 04/20/2021

#### Laboratory Quality Control Results

JAOAC2015 V986	Batch ID: 2206565							
Sample Duplicate	Sample ID: 21-0128530004							
Analyte	Result	Org. Reult	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBDV	0.0335	0.0335	0.003	%	0.170	< 20	Acceptable	
CEE	0.139	0.142	0.003	%	2.60	< 20	Acceptable	
CBDA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBGA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBG	0.167	0.167	0.003	%	0.197	< 20	Acceptable	
CBD	5.74	5.71	0.003	%	0.570	< 20	Acceptable	
THCV	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
d8THCV	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
THCVA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBN	0.0286	0.0287	0.003	%	0.164	< 20	Acceptable	
exo-THC	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
d9THC	0.158	0.158	0.003	%	0.0713	< 20	Acceptable	
d8THC	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CB.	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBC	0.236	0.236	0.003	%	0.116	< 20	Acceptable	
THCA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBCA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CB.A	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBT	0.104	0.105	0.003	%	1.17	< 20	Acceptable	

#### Abbreviations

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

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	Quantitaion level raised due to matrix interference.
В	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.