



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



**Report Number:** 23-011122/D002.R000  
**Report Date:** 09/26/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 09/19/23 14:09

**Customer:** Healthy Roots  
**Product identity:** #286 Nite Caps  
**Client/Metric ID:** .  
**Laboratory ID:** 23-011122-0001

## Summary

### Potency:

Analyte	Result	Limits	Units	Status	CBD-Total per Serving Size 37.0 mg/0.6g
CBC	0.276		%		
CBD	5.89		%		
CBD-A	0.321		%		THC-Total per Serving Size 2.19 mg/0.6g
CBDV	0.0494		%		
CBG	0.193		%		(Reported in milligrams per serving)
CBG-A	0.0107		%		
CBN	1.78		%		
CBT	0.0939		%		
Δ9-THC	0.365		%		
Analyte per 0.6g	Result	Limits	Units	Status	
CBC per 0.6g	1.66		mg/0.6g		
CBD per 0.6g	35.3		mg/0.6g		
CBD-A per 0.6g	1.93		mg/0.6g		
CBDV per 0.6g	0.296		mg/0.6g		
CBG per 0.6g	1.16		mg/0.6g		
CBG-A per 0.6g	0.0642		mg/0.6g		
CBN per 0.6g	10.7		mg/0.6g		
CBT per 0.6g	0.563		mg/0.6g		
Δ9-THC per 0.6g	2.19		mg/0.6g		



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**Customer:** Healthy Roots  
**Product identity:** #286 Nite Caps  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 23-011122-0001  
**Evidence of Cooling:** No  
**Temp:** 22.2 °C  
**Relinquished by:** client  
**Serving Size #1:** 0.6 g

### Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod)		Units %	Batch: 2311140	Analyze: 9/21/23 8:53:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.276		%	0.00320	
CBC-A	< LOQ		%	0.00320	
CBC-Total	0.276		%	0.00601	
CBD <sup>±</sup>	5.89		%	0.0320	
CBD-A <sup>±</sup>	0.321		%	0.00320	
CBD-Total	6.17		%	0.0348	
CBDV	0.0494		%	0.00320	
CBDV-A	< LOQ		%	0.00320	
CBDV-Total	0.0494		%	0.00597	
CBE	< LOQ		%	0.00320	
CBG	0.193		%	0.00320	
CBG-A	0.0107		%	0.00320	
CBG-Total	0.202		%	0.00597	
CBL	< LOQ		%	0.00320	
CBL-A	< LOQ		%	0.00320	
CBL-Total	< LOQ		%	0.00601	
CBN	1.78		%	0.0320	
CBT	0.0939		%	0.00320	
Δ8-THCV	< LOQ		%	0.00320	
Δ10-THC-9R	< LOQ		%	0.00320	
Δ10-THC-9S	< LOQ		%	0.00320	
Δ10-THC-Total	< LOQ		%	0.00640	
Δ8-THC <sup>±</sup>	< LOQ		%	0.00320	
Δ9-THC <sup>±</sup>	0.365		%	0.00320	
delta-9-THCP	< LOQ		%	0.00320	
exo-THC	< LOQ		%	0.00320	
THC-A <sup>±</sup>	< LOQ		%	0.00320	
THC-Total	0.365		%	0.00601	
THCV	< LOQ		%	0.00320	
THCV-A	< LOQ		%	0.00320	
THCV-Total	< LOQ		%	0.00597	
<b>Total Cannabinoids</b>	<b>8.98</b>		%		



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Potency per 0.6g      **Method:** J AOAC 2015 V98-6 (mod)      **Units mg/se** **Batch:** 2311140      **Analyze:** 9/21/23 8:53:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 0.6g	1.66		mg/0.6g	0.0192	
CBC-A per 0.6g	< LOQ		mg/0.6g	0.0192	
CBC-Total per 0.6g	1.66		mg/0.6g	0.0360	
CBD per 0.6g	35.3		mg/0.6g	0.192	
CBD-A per 0.6g <sup>±</sup>	1.93		mg/0.6g	0.0192	
CBD-Total per 0.6g <sup>±</sup>	37.0		mg/0.6g	0.209	
CBDV per 0.6g	0.296		mg/0.6g	0.0192	
CBDV-A per 0.6g	< LOQ		mg/0.6g	0.0192	
CBDV-Total per 0.6g	0.296		mg/0.6g	0.0358	
CBE per 0.6g	< LOQ		mg/0.6g	0.0192	
CBG per 0.6g	1.16		mg/0.6g	0.0192	
CBG-A per 0.6g	0.0642		mg/0.6g	0.0192	
CBG-Total per 0.6g	1.21		mg/0.6g	0.0358	
CBL per 0.6g	< LOQ		mg/0.6g	0.0192	
CBL-A per 0.6g	< LOQ		mg/0.6g	0.0192	
CBL-Total per 0.6g	< LOQ		mg/0.6g	0.0360	
CBN per 0.6g	10.7		mg/0.6g	0.192	
CBT per 0.6g	0.563		mg/0.6g	0.0192	
Δ8-THCV per 0.6g	< LOQ		mg/0.6g	0.0192	
Δ10-THC-9R per 0.6g	< LOQ		mg/0.6g	0.0192	
Δ10-THC-9S per 0.6g	< LOQ		mg/0.6g	0.0192	
Δ10-THC-Total per 0.6g	< LOQ		mg/0.6g	0.0384	
Δ8-THC per 0.6g <sup>±</sup>	< LOQ		mg/0.6g	0.0192	
Δ9-THC per 0.6g <sup>±</sup>	2.19		mg/0.6g	0.0192	
delta-9-THCP per 0.6g	< LOQ		mg/0.6g	0.0192	
exo-THC per 0.6g	< LOQ		mg/0.6g	0.0192	
THC-A per 0.6g <sup>±</sup>	< LOQ		mg/0.6g	0.0192	
THC-Total per 0.6g	2.19		mg/0.6g	0.0360	
THCV per 0.6g	< LOQ		mg/0.6g	0.0192	
THCV-A per 0.6g	< LOQ		mg/0.6g	0.0192	
THCV-Total per 0.6g	< LOQ		mg/0.6g	0.0361	
Total Cannabinoids per 0.6g	53.9		mg/0.6g		

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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.

Ⓟ = ISO/IEC 17025:2017 accredited method.

Ⓜ = TNI accredited analyte.

#### **Units of Measure**

g = g

mg/0.6g = Milligram per 0.6g

% = Percentage of sample

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

Approved Signatory

Derrick Tanner  
General Manager



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Revision: 4 Document ID: 7148  
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

JAOAC2015 V98-6 Batch ID: 2311140

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	2	0.0319	0.0324	%	98.5	80.0 - 120	Acceptable		
CBDV	2	0.0318	0.0324	%	98.3	80.0 - 120	Acceptable		
CBE	2	0.0337	0.0345	%	97.7	80.0 - 120	Acceptable		
CBD	1	0.0299	0.0324	%	92.1	90.0 - 110	Acceptable		
CBD <sup>A</sup>	1	0.0302	0.0330	%	91.4	80.0 - 120	Acceptable		
CBG	1	0.0359	0.0379	%	94.6	80.0 - 120	Acceptable		
CBD	1	0.0294	0.0316	%	93.2	90.0 - 110	Acceptable		
THCV	2	0.0329	0.0336	%	97.9	80.0 - 120	Acceptable		
Δ <sup>9</sup> THCV	2	0.0291	0.0294	%	98.9	80.0 - 120	Acceptable		
THCV/A	2	0.0314	0.0320	%	98.2	80.0 - 120	Acceptable		
CBN	1	0.0295	0.0320	%	92.3	80.0 - 120	Acceptable		
exo-THC	2	0.0309	0.0314	%	98.6	80.0 - 120	Acceptable		
Δ <sup>9</sup> THC	1	0.0317	0.0320	%	98.9	90.0 - 110	Acceptable		
Δ <sup>8</sup> THC	1	0.0287	0.0312	%	92.2	90.0 - 110	Acceptable		
9S-Δ <sup>10</sup> THC	1	0.0330	0.0344	%	95.7	80.0 - 120	Acceptable		
CBL	2	0.0335	0.0349	%	96.0	80.0 - 120	Acceptable		
9R-Δ <sup>10</sup> THC	1	0.0306	0.0340	%	90.0	80.0 - 120	Acceptable		
CBC	2	0.0330	0.0332	%	99.2	80.0 - 120	Acceptable		
THCA	1	0.0302	0.0328	%	92.0	90.0 - 110	Acceptable		
CBCA	2	0.0337	0.0341	%	98.8	80.0 - 120	Acceptable		
CBLA	2	0.0336	0.0343	%	98.0	80.0 - 120	Acceptable		
Δ <sup>9</sup> THCP	2	0.0323	0.0333	%	97.0	80.0 - 120	Acceptable		
CBT	2	0.0349	0.0351	%	99.2	80.0 - 120	Acceptable		

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBDV	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBE	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBD	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBD <sup>A</sup>	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBG	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBD	<LOQ	0.00322	%	< 0.00322	Acceptable	
THCV	<LOQ	0.00322	%	< 0.00322	Acceptable	
Δ <sup>9</sup> THCV	<LOQ	0.00322	%	< 0.00322	Acceptable	
THCV/A	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBN	<LOQ	0.00322	%	< 0.00322	Acceptable	
exo-THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
Δ <sup>9</sup> THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
Δ <sup>8</sup> THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
9S-Δ <sup>10</sup> THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBL	<LOQ	0.00322	%	< 0.00322	Acceptable	
9R-Δ <sup>10</sup> THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBC	<LOQ	0.00322	%	< 0.00322	Acceptable	
THCA	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBCA	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBLA	<LOQ	0.00322	%	< 0.00322	Acceptable	
Δ <sup>9</sup> THCP	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBT	<LOQ	0.00322	%	< 0.00322	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

JAOAC 2015 V98-6		Batch ID: 2311140						
Sample Duplicate		Sample ID: 23-010872-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBDV	0.0396	0.0394	0.00324	%	0.543	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBD	0.0176	0.0184	0.00324	%	4.33	< 20	Acceptable	
CBD <sup>A</sup>	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBG	0.133	0.133	0.00324	%	0.0853	< 20	Acceptable	
CBD	7.69	7.60	0.00324	%	1.11	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
Δ <sup>9</sup> THCV	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBN	0.0319	0.0317	0.00324	%	0.588	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
Δ <sup>9</sup> THC	0.191	0.190	0.00324	%	0.465	< 20	Acceptable	
Δ <sup>8</sup> THC	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
9SΔ <sup>10</sup> THC	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
9RΔ <sup>10</sup> THC	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBC	0.298	0.296	0.00324	%	0.624	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
Δ <sup>9</sup> THCP	<LOQ	<LOQ	0.00324	%	NA	< 20	Acceptable	
CBT	0.0954	0.0962	0.00324	%	0.923	< 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	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.