



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



Report Number: 22-
Report Date: 002969/D006.R000
ORELAP#: 03/21/2022
Purchase Order: OR100028
Received: 03/15/22 14:19

Customer: Healthy Roots
Product identity: Lavender Puck #10.A
Client/Metric ID: .
Laboratory ID: 22-002969-0002

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC	0.0100		%		CBD-Total per 113g 125 mg/113g
CBD	0.109		%		
CBD-A	0.00216		%		THC-Total per 113g 4.85 mg/113g
CBG†	0.00200		%		
CBT†	0.000927		%		(Reported in milligrams per serving)
Δ9-THC	0.00429		%		
Analyte per 113g	Result	Limits	Units	Status	
CBC per 113g	11.3		mg/113g		
CBD per 113g	123		mg/113g		
CBD-A per 113g	2.44		mg/113g		
CBGper113g†	2.26		mg/113g		
CBTper113g†	1.05		mg/113g		
Δ9-THC per113g	4.85		mg/113g		

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Customer: Healthy Roots

Product identity: Lavender Puck #10.A

Client/Metric ID: .

Sample Date:

Laboratory ID: 22-002969-0002

Evidence of Cooling: No

Temp: 21.9 °C

Relinquished by: client

Serving Size #1: 113 g

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Units %	Batch: 2202295	Analyze: 3/17/22 10:56:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.0100		%	0.0007	
CBC-A†	<LOQ		%	0.0007	
CBC-Total †	0.0100		%	0.0012	
CBD	0.109		%	0.0007	
CBD-A	0.00216		%	0.0007	
CBD-Total	0.111		%	0.0012	
CBDV †	<LOQ		%	0.0007	
CBDV-A†	<LOQ		%	0.0007	
CBDV-Total †	<LOQ		%	0.0012	
CBE†	<LOQ		%	0.0007	
CBG†	0.00200		%	0.0007	
CBG-A †	<LOQ		%	0.0007	
CBG-Total	0.00200		%	0.0012	
CBL†	<LOQ		%	0.0007	
CBL-A†	<LOQ		%	0.0007	
CBL-Total†	<LOQ		%	0.0012	
CBN	<LOQ		%	0.0007	
CBT†	0.000927		%	0.0007	
Δ8-THCV	<LOQ		%	0.0007	
Δ8-THC†	<LOQ		%	0.0007	
Δ9-THC	0.00429		%	0.0007	
THC-A	<LOQ		%	0.0007	
THC-Total	0.00429		%	0.0012	
THCV†	<LOQ		%	0.0007	
THCV-A†	<LOQ		%	0.0007	
THCV-Total†	<LOQ		%	0.0012	
TotalCannabinoids†	0.128		%		

Potency per 113g	Method J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2202295	Analyze: 3/17/22 10:56:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per113g†	11.3		mg/113g	0.751	
CBC-Aper113g†	<LOQ		mg/113g	0.751	
CBC-Total per113g†	11.3		mg/113g	1.41	



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Potency per 113g Method J AOAC 2015 V98-6 (mod)Units mg/seBatch: 2202295Analyze: 3/17/22 10:56:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 113g	123		mg/113g	0.751	
CBD-A per 113g	2.44		mg/113g	0.751	
CBD-Total per 113g	125		mg/113g	1.41	
CBDV per 113g†	<LOQ		mg/113g	0.751	
CBDV-Aper 113g†	<LOQ		mg/113g	0.751	
CBDV-Total per 113g†	<LOQ		mg/113g	1.40	
CBE per 113g†	<LOQ		mg/113g	0.751	
CBGper 113g†	2.26		mg/113g	0.751	
CBG-A per 113g†	<LOQ		mg/113g	0.751	
CBG-Totalper 113g†	2.26		mg/113g	1.40	
CBL per 113g†	<LOQ		mg/113g	0.751	
CBL-Aper 113g†	<LOQ		mg/113g	0.751	
CBL-Total per 113g†	<LOQ		mg/113g	1.41	
CBN per 113g	<LOQ		mg/113g	0.751	
CBTper 113g†	1.05		mg/113g	0.751	
Δ8-THCV per 113g†	<LOQ		mg/113g	0.751	
Δ8-THC per 113g†	<LOQ		mg/113g	0.751	
Δ9-THC per 113g	4.85		mg/113g	0.751	
exo-THC per 113g†	<LOQ		mg/113g	0.751	
THC-A per 113g	<LOQ		mg/113g	0.751	
THC-Total per 113g	4.85		mg/113g	1.41	
THCV per 113g†	<LOQ		mg/113g	0.751	
THCV-A per 113g†	<LOQ		mg/113g	0.751	
THCV-Totalper 113g†	<LOQ		mg/113g	1.41	
Total Cannabinoidsper 113g	145		mg/113g		

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Purchase Order:



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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.

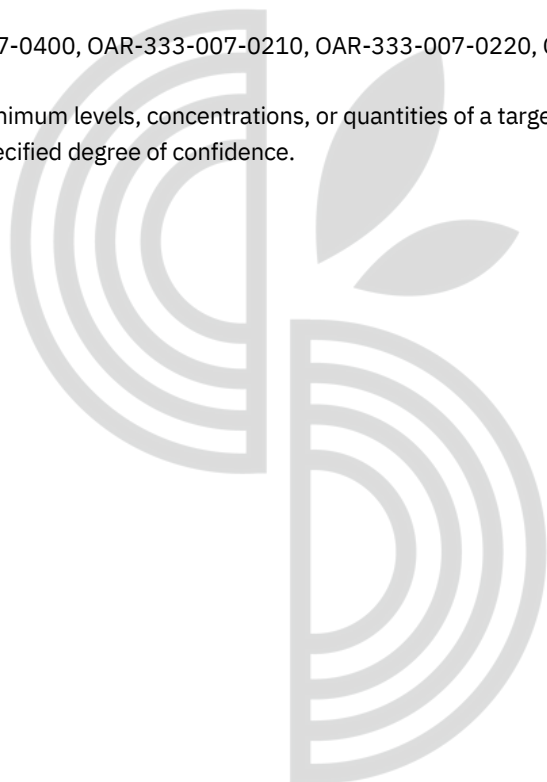
Units of Measure

g = g

mg/113g = Milligram per 113g

% = Percentage of sample

% wt = µg/g divided by 10,000



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Approved Signatory

Derrick Tanner
General Manager

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Hemp / Cannabis Usable / Extract / Finished Products

Chain of Custody Record

Revision: 4.00 Control#: CF023 Rev 02/24/2021 Eff: 03/04/2021
ORELAP ID: OR100028

CHAIN OF CUSTODY				Analysis Requested												PO Number: _____	
Company: Healthy Roots Contact: Liz Merritt Address: 14325 NE Airport Way, #113 Portland, OR 97230 Email: Healthyrootshemp@gmail.com Phone: 503-496-2329 License: AG-L 105221FP				Project Number: _____ Project Name: _____ Custom Reporting: _____ Report to State - <input type="checkbox"/> METRC or <input type="checkbox"/> Other: Turnaround time: <input checked="" type="checkbox"/> 5 Business Day Standard Turnaround <input type="checkbox"/> 3 Business Day Rush Turnaround* <input type="checkbox"/> 2 Business Day Rush Turnaround* *Check for availability												Sampled by: _____	
Lab ID	Client Sample Identification	Date	Time	Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Mold	Micro: E Coli and Total Coliform	Heavy Metals	Mycotoxins	Aerobic Plate Count, Salmonella, Staphylococcus, Pseudomonas	Sample Type †	Weight (Units)	Comments/Metric ID
	Lavender BB #10.A	3/15				✓									T	200g	Report in mg/gr and % (percentage)
	Lavender Puck #10.A					✓									T	113g	
	Citrus BB #10.A					✓									T	200g	
	Citrus Puck #10.A					✓									T	113g	
	Rosemary BB #10.A					✓									T	200g	
	Rosemary Puck #10.A					✓									T	113g	
	Lemongrass BB #10.A					✓									T	200g	
	Lemongrass Puck #10.A					✓									T	113g	
Relinquished By: Melton		Date: 3/15	Time: 2:00p	Received By: AC		Date: 3/15	Time: 14:19	Lab Use Only: <input type="checkbox"/> Shipped Via: _____ or <input checked="" type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (°C): 21.9°C Sample in good condition: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: Prelog storage: _____									

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID:2202295							
Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.0105	0.01	%	105	80.0 - 120	Acceptable	
CBDV	0.0108	0.01	%	108	80.0 - 120	Acceptable	
CBE	0.0104	0.01	%	104	80.0 - 120	Acceptable	
CBDA	0.0100	0.01	%	100	80.0 - 120	Acceptable	
CBGA	0.0102	0.01	%	102	80.0 - 120	Acceptable	
CBG	0.00989	0.01	%	98.9	80.0 - 120	Acceptable	
CBD	0.00989	0.01	%	98.9	80.0 - 120	Acceptable	
THCV	0.0105	0.01	%	105	80.0 - 120	Acceptable	
d8THCV	0.0102	0.01	%	102	80.0 - 120	Acceptable	
THCVA	0.00991	0.01	%	99.1	80.0 - 120	Acceptable	
CBN	0.0102	0.01	%	102	80.0 - 120	Acceptable	
exo-THC	0.00937	0.01	%	93.7	80.0 - 120	Acceptable	
d9THC	0.00973	0.01	%	97.3	80.0 - 120	Acceptable	
d8THC	0.00966	0.01	%	96.6	80.0 - 120	Acceptable	
CBL	0.00870	0.01	%	87.0	80.0 - 120	Acceptable	
CBG	0.0102	0.01	%	102	80.0 - 120	Acceptable	
THCA	0.00972	0.01	%	97.2	80.0 - 120	Acceptable	
CBGA	0.0100	0.01	%	100	80.0 - 120	Acceptable	
CBLA	0.00964	0.01	%	96.4	80.0 - 120	Acceptable	
CBT	0.00794	0.01	%	79.4	80.0 - 120	Acceptable	
							Q6

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBDV	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBE	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBDA	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBGA	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBG	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBD	< LOQ	0.0006	%	< 0.0006	Acceptable	
THCV	< LOQ	0.0006	%	< 0.0006	Acceptable	
d8THCV	< LOQ	0.0006	%	< 0.0006	Acceptable	
THCVA	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBN	< LOQ	0.0006	%	< 0.0006	Acceptable	
exo-THC	< LOQ	0.0006	%	< 0.0006	Acceptable	
d9THC	< LOQ	0.0006	%	< 0.0006	Acceptable	
d8THC	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBL	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBG	< LOQ	0.0006	%	< 0.0006	Acceptable	
THCA	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBGA	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBLA	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBT	< LOQ	0.0006	%	< 0.0006	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: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6								
Batch ID: 2202295								
Sample Duplicate								
Sample ID: 22-002889-0001								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	<20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	<20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	<20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	<20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	<20	Acceptable	
CBG	<LOQ	<LOQ	0.003	%	NA	<20	Acceptable	
CBD	<LOQ	<LOQ	0.003	%	NA	<20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	<20	Acceptable	
d8THCV	0.00478	0.0047	0.003	%	0.775	<20	Acceptable	
THCVA	<LOQ	5 <LOQ	0.003	%	NA	<20	Acceptable	
CBN	0.00304	<LOQ	0.003	%	NA	<20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	<20	Acceptable	R2
d9THC	<LOQ	<LOQ	0.003	%	NA	<20	Acceptable	
d8THC	0.572	0.569	0.003	%	0.552	<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	
CBGA	<LOQ	<LOQ	0.003	%	NA	<20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	<20	Acceptable	
CBT	<LOQ	<LOQ	0.003	%	NA	<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.

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