



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 4.85mg/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.		mg/113		
CBD per 113g	3		g		
CBD-A per 113g	123		mg/113		
CBGper113g†	2.4		g		
CBTper113g†	4		mg/113		
Δ9-THC per113g	2.2		g		
	6		mg/113		
	1.0		g		
	5		mg/113		
	4.8		g		
	5		mg/113		
			g		



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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		%	0.0007	
THCV†	<LOQ		%	0.0012	
THCV-A†	<LOQ		%	0.0007	
THCV-Total†	<LOQ		%	0.0007	
TotalCannabinoids†	0.128		%	0.0012	

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	0.75	
CBC-Aper113g†	<LOQ		mg/113g	1	
CBC-Total per113g†	11.3		mg/113g	0.75	
				1	
				1.41	

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 Testing in accordance with: OAR 333-007-0430



Portland, OR 97230
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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
CBD per 113g	123		mg/113g	0.75	
CBD-A per 113g	2.44		mg/113g	1	
CBD-Total per 113g	125		mg/113g	0.75	
CBDV per 113g†	<LOQ		mg/113g	1	
CBDV-Aper 113g†	<LOQ		mg/113g	1.41	
CBDV-Total per 113g†	<LOQ		mg/113g	0.75	
CBE per 113g†	<LOQ		mg/113g	1	
CBGper 113g†	2.26		mg/113g	0.75	
CBG-A per 113g†	<LOQ		mg/113g	1	
CBG-Total per 113g†	2.26		mg/113g	1.40	
CBL per 113g†	<LOQ		mg/113g	0.75	
CBL-Aper 113g†	<LOQ		mg/113g	1	
CBL-Total per 113g†	<LOQ		mg/113g	0.75	
CBN per 113g	<LOQ		mg/113g	1	
CBTper 113g†	1.05		mg/113g	0.75	
Δ8-THCV per 113g†	<LOQ		mg/113g	1	
Δ8-THC per 113g†	<LOQ		mg/113g	1.40	
Δ9-THC per 113g	4.85		mg/113g	0.75	
exo-THC per 113g†	<LOQ		mg/113g	1	
THC-A per 113g	<LOQ		mg/113g	1	
THC-Total per 113g	4.85		mg/113g	0.75	
THCV per 113g†	<LOQ		mg/113g	1	
THCV-A per 113g†	<LOQ		mg/113g	1.41	
THCV-Total per 113g†	<LOQ		mg/113g	0.75	
Total Cannabinoids per 113g	145		mg/113g	1	
			mg/113g	0.75	
				1	
				0.75	
				1	
				0.75	
				1	
				0.75	
				1	
				1.41	
				0.75	
				1	
				0.75	
				1	
				1.41	

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Purchase Order:



Received: 03/15/22 14:19

These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

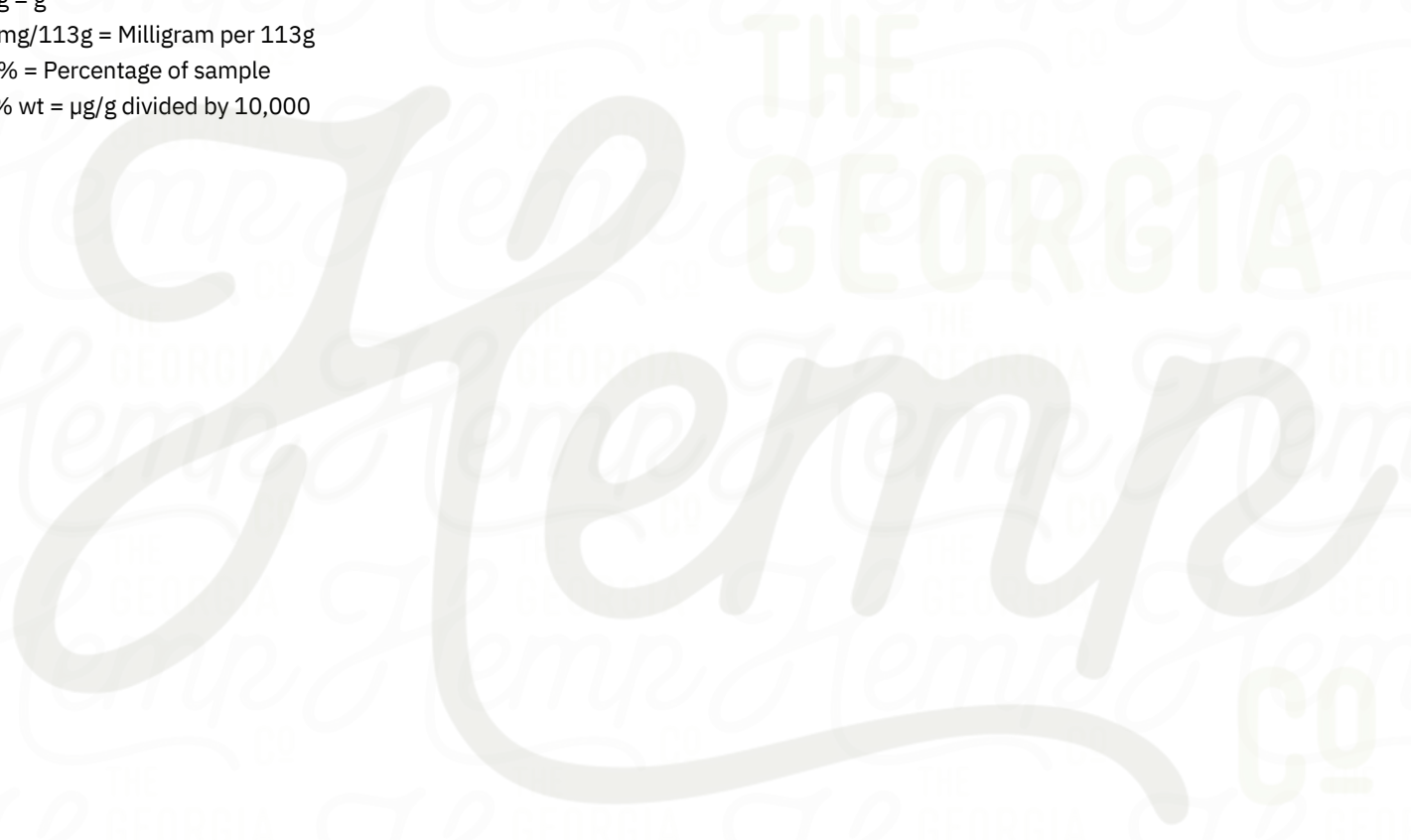
Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

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



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: _____		Project Number: _____	Project Name: _____	Custom Reporting: _____
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 1052211FP				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 Microtoxins Aerobic Plate Count, Salmonella Other: Staphylococcus, Pseudomonas										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* <small>*Check for availability</small>	Sampled by: _____	Billing (if different): * Please add: Compliance@Healthyrootshemp.com
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	Microtoxins	Aerobic Plate Count, Salmonella Other: 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:	Date	Time	Received By:	Date	Time	Lab Use Only:												
Melton	3/15	2:00p	AC	3/15	14:19	<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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Page _____ of _____
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† - Sample Type Codes: Vegetation (V) ; Isolates (S) ; Extract/Concentrate (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B)


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

 Laboratory Quality Control Results
 Batch ID: 2202295

J AOAC 2015 V98-6							
Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.0105	0.0	%	105	80, - 12	Acceptable	
CBDV	0.0108	1	%	108	0 - 0	Acceptable	
CBE	0.0104	0.0	%	104	80, - 12	Acceptable	
CBDA	0.0100	1	%	100	0 - 0	Acceptable	
CBGA	0.0102	0.0	%	102	80, - 12	Acceptable	
CBG	0.0098	1	%	98	0 - 0	Acceptable	
CBD	9	0.0	%	9	80 - 12	Acceptable	
THCV	0.0098	1	%	98	0 - 0	Acceptable	
d8THCV	9	0.0	%	9	80, - 12	Acceptable	
THCVA	0.0105	1	%	105	0 - 0	Acceptable	
CBN	0.0102	0.0	%	102	80, - 12	Acceptable	
exo-THC	0.0099	1	%	99	0 - 0	Acceptable	
d9THC	1	0.0	%	1	80, - 12	Acceptable	
d8THC	0.0102	1	%	102	0 - 0	Acceptable	
CBL	0.0093	0.0	%	93	80, - 12	Acceptable	
CBC	7	1	%	7	0 - 0	Acceptable	
THCA	0.0097	0.0	%	97	80, - 12	Acceptable	
CBCA	3	1	%	3	0 - 0	Acceptable	
CBLA	0.0096	0.0	%	96	80, - 12	Acceptable	
CBT	6	1	%	6	0 - 0	Acceptable	
	0.0087	0.0		87	80, 12		
	0	1		0	0		06
	0.0102	0.0		102	80, 12		
	0.0097	1		97	0		
Method Blank							
Analyte	Result	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
CBDV	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
CBE	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
CBDA	0.0078	0.000	%	80 < 0.0006	12	Acceptable	
CBGA	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
CBG	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
CBD	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
THCV	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
d8THCV	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
THCVA	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
CBN	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
exo-THC	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
d9THC	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
d8THC	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
CBL	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
CBC	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
THCA	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
CBCA	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
CBLA	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
CBT	<LOQ	0.000	%	0 < 0.0006	12	Acceptable	
	0.000	0.000					
	0.000	0.000					

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 ID: 22-002889-0001				
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00	%	NA	<20	Acceptable	
CBDV	<LOQ	<LOQ	3	%	NA	<20	Acceptable	
CBE	<LOQ	<LOQ	0.00	%	NA	<20	Acceptable	
CBDA	<LOQ	<LOQ	3	%	NA	<20	Acceptable	
CBGA	<LOQ	<LOQ	0.00	%	NA	<20	Acceptable	
CBG	<LOQ	<LOQ	3	%	NA	<20	Acceptable	
CBD	<LOQ	<LOQ	0.00	%	NA	<20	Acceptable	
THCV	< LOQ	< LOQ	3	%	NA	<20	Acceptable	
d8THCV	0.0047	0.0047	0.00	%	0.775	<20	Acceptable	
THCVA	8 < LOQ	5 < LOQ	3	%	NA	<20	Acceptable	
CBN	0.0030	<LOQ	0.00	%	NA	<20	Acceptable	
exo-THC	4 <LOQ	<LOQ	3	%	NA	<20	Acceptable	R2
d9THC	<LOQ	<LOQ	0.00	%	NA	<20	Acceptable	
d8THC	0.572	0.569	3	%	0.552	<20	Acceptable	
CBL	<LOQ	<LOQ	0.00	%	NA	<20	Acceptable	
CBC	<LOQ	<LOQ	3	%	NA	<20	Acceptable	
THCA	<LOQ	<LOQ	0.00	%	NA	<20	Acceptable	
CBCA	<LOQ	<LOQ	3	%	NA	<20	Acceptable	
CBLA	<LOQ	<LOQ	0.00	%	NA	<20	Acceptable	
CBT	<LOQ	<LOQ	3	%	NA	<20	Acceptable	
			0.00					
			3					
			0.00					
			3					
			0.00					
			3					
			0.00					
			3					
			0.00					
			3					
			0.00					
			3					
			0.00					
			3					
			0.00					
			3					
			0.00					
			3					

Abbreviations
 ND -None Detected at or above MR
 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.