



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



**Report Number:** 23-009027/D003.R000  
**Report Date:** 08/08/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 08/01/23 10:34

**Customer:** NW Natural Goods  
**Product identity:** HEMP - RB 0114  
**Client/Metric ID:** .  
**Laboratory ID:** 23-009027-0001

### Summary

**Potency:**

Analyte per 4g	Result	Limits	Units	Status	
CBD per 4g	25.0		mg/4g		CBD-Total per Serving Size 25.0 mg/4g
CBG per 4g	0.496		mg/4g		
					THC-Total per Serving Size <LOQ
					(Reported in milligrams per serving)

**Residual Solvents:**

*All analytes passing and less than LOQ.*

**Pesticides:**

Analyte	Result (mg/kg)	Limits (mg/kg)	Status
Multi-Residue Pesticide Profile	< LOQ for all analytes		

**Metals:**

*Less than LOQ for all analytes.*

**Microbiology:**

*Less than LOQ for all analytes.*



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**Product identity:** HEMP - RB 0114

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 23-009027-0001

**Evidence of Cooling:** No

**Temp:** 21.1 °C

**Relinquished by:** Hinton

**Serving Size #1:** 4 g

### Sample Results

Potency per 4g		Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>		Units mg/se Batch: 2309684		Analyze: 8/2/23 6:43:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 4g	< LOQ		mg/4g	0.125		
CBC-A per 4g	< LOQ		mg/4g	0.125		
CBC-Total per 4g	< LOQ		mg/4g	0.235		
CBD per 4g	25.0		mg/4g	0.125		
CBD-A per 4g	< LOQ		mg/4g	0.125		
CBD-Total per 4g	25.0		mg/4g	0.235		
CBDV per 4g	< LOQ		mg/4g	0.125		
CBDV-A per 4g	< LOQ		mg/4g	0.125		
CBDV-Total per 4g	< LOQ		mg/4g	0.234		
CBE per 4g	< LOQ		mg/4g	0.125		
CBG per 4g	0.496		mg/4g	0.125		
CBG-A per 4g	< LOQ		mg/4g	0.125		
CBG-Total per 4g	0.496		mg/4g	0.234		
CBL per 4g	< LOQ		mg/4g	0.125		
CBL-A per 4g	< LOQ		mg/4g	0.125		
CBL-Total per 4g	< LOQ		mg/4g	0.235		
CBN per 4g	< LOQ		mg/4g	0.125		
CBT per 4g	< LOQ		mg/4g	0.125		
Δ8-THCV per 4g	< LOQ		mg/4g	0.125		
Δ10-THC-9R per 4g	< LOQ		mg/4g	0.125		
Δ10-THC-9S per 4g	< LOQ		mg/4g	0.125		
Δ10-THC-Total per 4g	< LOQ		mg/4g	0.251		
Δ8-THC per 4g	< LOQ		mg/4g	0.125		
Δ9-THC per 4g	< LOQ		mg/4g	0.125		
delta-9-THCP per 4g	< LOQ		mg/4g	0.125		
exo-THC per 4g	< LOQ		mg/4g	0.125		
THC-A per 4g	< LOQ		mg/4g	0.125		
THC-Total per 4g	< LOQ		mg/4g	0.235		
THCV per 4g	< LOQ		mg/4g	0.125		
THCV-A per 4g	< LOQ		mg/4g	0.125		
THCV-Total per 4g	< LOQ		mg/4g	0.235		
Total Cannabinoids per 4g	25.5		mg/4g			

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 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 Columbia Laboratories 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 retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with: OAR 333-007-0430



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**Microbiology**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2309623	08/04/23 AOAC 991.14 (Petrifilm) <sup>P</sup>		
Total Coliforms	< LOQ		cfu/g	10	2309623	08/04/23 AOAC 991.14 (Petrifilm) <sup>P</sup>		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2309624	08/04/23 AOAC 2014.05 (RAPID) <sup>P</sup>		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2309624	08/04/23 AOAC 2014.05 (RAPID) <sup>P</sup>		

**Solvents** Method: Residual Solvents by GC/MS<sup>P</sup> Units µg/g Batch 2309724 Analyze 08/04/23 12:35 PM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass	
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass	
Methylpropane (Isobutane)	< LOQ		200			n-Butane	< LOQ		200		
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0		
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200		
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass	
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass	
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass	

**Pesticides** Method: AOAC 2007.01 & EN 15662 (mod)<sup>P</sup> Units mg/kg Batch 2309723 Analyze 08/04/23 12:17 PM

Analyte	Result	Limits	Status	Notes
Multi-Residue Pesticide Profile	< LOQ for all analytes			



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**Metals**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic <sup>‡</sup>	< LOQ	0.200	mg/kg	0.0184	2309769	08/04/23 AOAC 2013.06 (mod.) <sup>‡</sup>	pass	
Cadmium <sup>‡</sup>	< LOQ	0.200	mg/kg	0.0184	2309769	08/04/23 AOAC 2013.06 (mod.) <sup>‡</sup>	pass	
Lead <sup>‡</sup>	< LOQ	0.500	mg/kg	0.0184	2309769	08/04/23 AOAC 2013.06 (mod.) <sup>‡</sup>	pass	
Mercury <sup>‡</sup>	< LOQ	0.100	mg/kg	0.00919	2309769	08/04/23 AOAC 2013.06 (mod.) <sup>‡</sup>	pass	

**Nutrition**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Moisture (Loss on Drying)	18.2		g/100g	0.10	2309695	08/03/23 AOAC 925.10 (mod.) <sup>‡</sup>		
Water Activity	0.711		Aw	0.030	2309682	08/03/23 AOAC 978.18 <sup>‡</sup>		



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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

cfu/g = Colony forming units per gram

g = g

g/100g = Grams per 100 Grams

µg/g = Microgram per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/4g = Milligram per 4g

% = Percentage of sample

Aw = Water Activity

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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