



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

**Report Number:** 24-010157/D002.R000  
**Report Date:** 09/18/2024  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 09/11/24 12:28



**Customer:** NW Natural Goods  
**Product identity:** HEMP - HB 0113  
**Client/Metric ID:** .  
**Laboratory ID:** 24-010157-0001

### Summary

**Potency:**

Analyte per 4g	Result	Limits	Units	Status	
CBC per 4g	0.179		mg/4g		CBD-Total per Serving Size 24.2 mg/4g
CBD per 4g	24.2		mg/4g		
CBG per 4g	0.568		mg/4g		Delta-9-THC-Total per <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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**Customer:** NW Natural Goods  
**Product identity:** HEMP - HB 0113  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 24-010157-0001  
**Evidence of Cooling:** No  
**Temp:** 20.4  
**Relinquished by:** BR  
**Serving Size #1:** 4 g

### Sample Results

Potency per 4g		Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>		Units mg/se	Batch: 2407068	Analyze: 9/13/24 9:30:00 AM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 4g	0.179		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	24.2		mg/4g	0.125		
CBD-A per 4g <sup>1</sup>	< LOQ		mg/4g	0.125		
CBD-Total per 4g <sup>1</sup>	24.2		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	0.568		mg/4g	0.125		
CBG-A per 4g	< LOQ		mg/4g	0.125		
CBG-Total per 4g	0.568		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		
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 <sup>1</sup>	< LOQ		mg/4g	0.125		
Δ8-THCV per 4g	< LOQ		mg/4g	0.125		
Δ9-THC per 4g <sup>1</sup>	< LOQ		mg/4g	0.125		
Δ9-THC-Total per 4g	< LOQ		mg/4g	0.235		
Δ9-THCP per 4g	< LOQ		mg/4g	0.125		
Δ9-THCV per 4g	< LOQ		mg/4g	0.125		
Δ9-THCV-A per 4g	< LOQ		mg/4g	0.125		
Δ9-THCV-Total per 4g	< LOQ		mg/4g	0.236		
exo-THC per 4g	< LOQ		mg/4g	0.125		
THC-A per 4g <sup>1</sup>	< LOQ		mg/4g	0.125		
Total Cannabinoids per 4g	24.9		mg/4g			


**Microbiology**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2407004	09/14/24 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2407004	09/14/24 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2407007	09/15/24 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2407007	09/15/24 AOAC 2014.05 (RAPID)		

**Solvents** Method: Residual Solvents by HS-GC-MS<sup>b</sup> Units µg/g Batch 2407067 Analyze 09/13/24 01:01 PM

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

**Pesticides** Method: AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2407129 Analyze 09/16/24 03:28 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	2407078	09/13/24 AOAC 2013.06 (mod.) <sup>Þ</sup>	pass	
Cadmium <sup>±</sup>	< LOQ	0.200	mg/kg	0.0184	2407078	09/13/24 AOAC 2013.06 (mod.) <sup>Þ</sup>	pass	
Lead <sup>±</sup>	< LOQ	0.500	mg/kg	0.0195	2407210	09/18/24 AOAC 2013.06 (mod.) <sup>Þ</sup>	pass	
Mercury <sup>±</sup>	< LOQ	0.100	mg/kg	0.00920	2407078	09/13/24 AOAC 2013.06 (mod.) <sup>Þ</sup>	pass	

**Nutrition**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Moisture (Loss on Drying)	19.9		g/100g	0.10	2407039	09/12/24 AOAC 925.10 (mod.)		
Water Activity	0.719		Aw	0.030	2407100	09/13/24 AOAC 978.18		



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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.

<sup>p</sup> = ISO/IEC 17025:2017 accredited method.

<sup>⊥</sup> = TNI accredited analyte.

**Units of Measure**

cfu/g = Colony forming units per gram

g = Gram

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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