



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

Report Number: 24-012222/D002.R000
Report Date: 11/06/2024
ORELAP#: OR100028
Purchase Order:
Received: 10/30/24 11:48



Customer: NW Natural Goods
Product identity: HEMP - EB 0123
Client/Metric ID: .
Laboratory ID: 24-012222-0001

Summary

Potency:

Analyte per 4g	Result	Limits	Units	Status	
CBC per 4g	0.239		mg/4g		CBD-Total per Serving Size 25.9 mg/4g
CBD per 4g	25.9		mg/4g		
CBDV per 4g	0.245		mg/4g		Delta-9-THC-Total per <LOQ
CBG per 4g	0.684		mg/4g		(Reported in milligrams per serving)
CBN per 4g	5.24		mg/4g		

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 - EB 0123
Client/Metric ID: .
Sample Date:
Laboratory ID: 24-012222-0001
Evidence of Cooling: No
Temp: 18.7
Relinquished by: client
Serving Size #1: 4 g

Sample Results

Potency per 4g		Method: J AOAC 2015 V98-6 (mod) ^b		Units mg/se	Batch: 2408506	Analyze: 11/1/24 2:39:00 AM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 4g	0.239		mg/4g	0.126		
CBC-A per 4g	< LOQ		mg/4g	0.126		
CBC-Total per 4g	0.239		mg/4g	0.236		
CBD per 4g	25.9		mg/4g	0.126		
CBD-A per 4g ¹	< LOQ		mg/4g	0.126		
CBD-Total per 4g ¹	25.9		mg/4g	0.236		
CBDV per 4g	0.245		mg/4g	0.126		
CBDV-A per 4g	< LOQ		mg/4g	0.126		
CBDV-Total per 4g	0.245		mg/4g	0.234		
CBE per 4g	< LOQ		mg/4g	0.126		
CBG per 4g	0.684		mg/4g	0.126		
CBG-A per 4g	< LOQ		mg/4g	0.126		
CBG-Total per 4g	0.684		mg/4g	0.234		
CBL per 4g	< LOQ		mg/4g	0.126		
CBL-A per 4g	< LOQ		mg/4g	0.126		
CBL-Total per 4g	< LOQ		mg/4g	0.236		
CBN per 4g	5.24		mg/4g	0.126		
CBT per 4g	< LOQ		mg/4g	0.126		
Δ10-THC-9R per 4g	< LOQ		mg/4g	0.126		
Δ10-THC-9S per 4g	< LOQ		mg/4g	0.126		
Δ10-THC-Total per 4g	< LOQ		mg/4g	0.251		
Δ8-THC per 4g ¹	< LOQ		mg/4g	0.126		
Δ8-THCV per 4g	< LOQ		mg/4g	0.126		
Δ9-THC per 4g ¹	< LOQ		mg/4g	0.126		
Δ9-THC-Total per 4g	< LOQ		mg/4g	0.236		
Δ9-THCP per 4g	< LOQ		mg/4g	0.126		
Δ9-THCV per 4g	< LOQ		mg/4g	0.126		
Δ9-THCV-A per 4g	< LOQ		mg/4g	0.126		
Δ9-THCV-Total per 4g	< LOQ		mg/4g	0.236		
exo-THC per 4g	< LOQ		mg/4g	0.126		
THC-A per 4g ¹	< LOQ		mg/4g	0.126		
Total Cannabinoids per 4g	32.3		mg/4g			


Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2408454	11/02/24 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2408454	11/02/24 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2408455	11/03/24 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2408455	11/03/24 AOAC 2014.05 (RAPID)		

Solvents Method: Residual Solvents by HS-GC-MS^b Units µg/g Batch 2408555 Analyze 11/04/24 02:02 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) Units mg/kg Batch 2408598 Analyze 11/05/24 02:13 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 [±]	< LOQ	0.200	mg/kg	0.0191	2408552	11/04/24 AOAC 2013.06 (mod.) [Ⓟ]	pass	
Cadmium [±]	< LOQ	0.200	mg/kg	0.0191	2408552	11/04/24 AOAC 2013.06 (mod.) [Ⓟ]	pass	
Lead [±]	< LOQ	0.500	mg/kg	0.0191	2408552	11/04/24 AOAC 2013.06 (mod.) [Ⓟ]	pass	
Mercury [±]	< LOQ	0.100	mg/kg	0.00957	2408552	11/04/24 AOAC 2013.06 (mod.) [Ⓟ]	pass	

Nutrition

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Moisture (Loss on Drying)	19.5		g/100g	0.10	2408515	10/31/24 AOAC 925.10 (mod.)		
Water Activity	0.703		Aw	0.030	2408583	11/04/24 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.

^p = ISO/IEC 17025:2017 accredited method.

[⊥] = 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



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