



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



Report Number: 23-005988/D003.R000
Report Date: 05/25/2023
ORELAP#: OR100028
Purchase Order:
Received: 05/18/23 12:49

Customer: USA Hemp
Product identity: 375mg Roll on Pain Gel
Project Number: PGR375EWFS02
Client/Metric ID: Batch ID: PGR375EWFS02
Laboratory ID: 23-005988-0001

Summary

Potency:

Analyte per 85g	Result	Limits	Units	Status	
CBC per 85g	6.15		mg/85g		CBD-Total per Serving Size 355 mg/85g
CBC-A per 85g	11.1		mg/85g		
CBD per 85g	126		mg/85g		THC-Total per Serving Size 6.66 mg/85g
CBD-A per 85g	262		mg/85g		
Δ9-THC per 85g	6.66		mg/85g		CBD-Total per Serving Size 4.18 mg/1g
Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g	0.0724		mg/1g		THC-Total per Serving Size 0.0784 mg/1g
CBC-A per 1g	0.130		mg/1g		
CBD per 1g	1.48		mg/1g		(Reported in milligrams per serving)
CBD-A per 1g	3.08		mg/1g		
Δ9-THC per 1g	0.0784		mg/1g		

Residual Solvents:

All analytes passing and less than LOQ.

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
Menthol	0.362	73.73%	Eucalyptol	0.105	21.38%
(R)-(+)-Limonene	0.0235	4.79%	Total Terpenes	0.491	100.00%

Metals:

Less than LOQ for all analytes.



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Product identity: 375mg Roll on Pain Gel
Project Number: PGR375EWFS02
Client/Metric ID: Batch ID: PGR375EWFS02
Sample Date:
Laboratory ID: 23-005988-0001
Evidence of Cooling: No
Temp: 27.2
Relinquished by: usps
Serving Size #1: 85 g
Serving Size #2: 1 g

Sample Results

Potency per 85g					
Method: J AOAC 2015 V98-6 (mod)		Units mg/se		Batch: 2307528	
				Analyze: 5/20/23 7:03:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 85g	6.15		mg/85g	2.66	
CBC-A per 85g	11.1		mg/85g	2.66	
CBC-Total per 85g	15.8		mg/85g	4.99	
CBD per 85g	126		mg/85g	2.66	
CBD-A per 85g	262		mg/85g	2.66	
CBD-Total per 85g	355		mg/85g	4.99	
CBDV per 85g	< LOQ		mg/85g	2.66	
CBDV-A per 85g	< LOQ		mg/85g	2.66	
CBDV-Total per 85g	< LOQ		mg/85g	4.96	
CBE per 85g	< LOQ		mg/85g	2.66	
CBG per 85g	< LOQ		mg/85g	2.66	
CBG-A per 85g	< LOQ		mg/85g	2.66	
CBG-Total per 85g	< LOQ		mg/85g	4.96	
CBL per 85g	< LOQ		mg/85g	2.66	
CBL-A per 85g	< LOQ		mg/85g	2.66	
CBL-Total per 85g	< LOQ		mg/85g	4.99	
CBN per 85g	< LOQ		mg/85g	2.66	
CBT per 85g	< LOQ		mg/85g	2.66	
Δ8-THCV per 85g	< LOQ		mg/85g	2.66	
Δ10-THC-9R per 85g	< LOQ		mg/85g	2.66	
Δ10-THC-9S per 85g	< LOQ		mg/85g	2.66	
Δ10-THC-Total per 85g	< LOQ		mg/85g	5.32	
Δ8-THC per 85g	< LOQ		mg/85g	2.66	
Δ9-THC per 85g	6.66		mg/85g	2.66	
delta-9-THCP per 85g	< LOQ		mg/85g	2.66	
exo-THC per 85g	< LOQ		mg/85g	2.66	
THC-A per 85g	< LOQ		mg/85g	2.66	
THC-Total per 85g	6.66		mg/85g	4.99	
THCV per 85g	< LOQ		mg/85g	2.66	
THCV-A per 85g	< LOQ		mg/85g	2.66	



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Potency per 85g Method: J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2307528 Analyze: 5/20/23 7:03:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
THCV-Total per 85g	< LOQ		mg/85g	4.99	
Total Cannabinoids per 85g	411		mg/85g		

Potency per 1g Method: J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2307528 Analyze: 5/20/23 7:03:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	0.0724		mg/1g	0.0313	
CBC-A per 1g	0.130		mg/1g	0.0313	
CBC-Total per 1g	0.186		mg/1g	0.0587	
CBD per 1g	1.48		mg/1g	0.0313	
CBD-A per 1g	3.08		mg/1g	0.0313	
CBD-Total per 1g	4.18		mg/1g	0.0587	
CBDV per 1g	< LOQ		mg/1g	0.0313	
CBDV-A per 1g	< LOQ		mg/1g	0.0313	
CBDV-Total per 1g	< LOQ		mg/1g	0.0584	
CBE per 1g	< LOQ		mg/1g	0.0313	
CBG per 1g	< LOQ		mg/1g	0.0313	
CBG-A per 1g	< LOQ		mg/1g	0.0313	
CBG-Total per 1g	< LOQ		mg/1g	0.0584	
CBL per 1g	< LOQ		mg/1g	0.0313	
CBL-A per 1g	< LOQ		mg/1g	0.0313	
CBL-Total per 1g	< LOQ		mg/1g	0.0587	
CBN per 1g	< LOQ		mg/1g	0.0313	
CBT per 1g	< LOQ		mg/1g	0.0313	
Δ8-THCV per 1g	< LOQ		mg/1g	0.0313	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0313	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0313	
Δ8-THC per 1g	< LOQ		mg/1g	0.0313	
Δ9-THC per 1g	0.0784		mg/1g	0.0313	
delta-9-THCP per 1g	< LOQ		mg/1g	0.0313	
exo-THC per 1g	< LOQ		mg/1g	0.0313	
THC-A per 1g	< LOQ		mg/1g	0.0313	
THC-Total per 1g	0.0784		mg/1g	0.0587	
THCV per 1g	< LOQ		mg/1g	0.0313	
THCV-A per 1g	< LOQ		mg/1g	0.0313	
THCV-Total per 1g	< LOQ		mg/1g	0.0588	
Total Cannabinoids per 1g	4.84		mg/1g		



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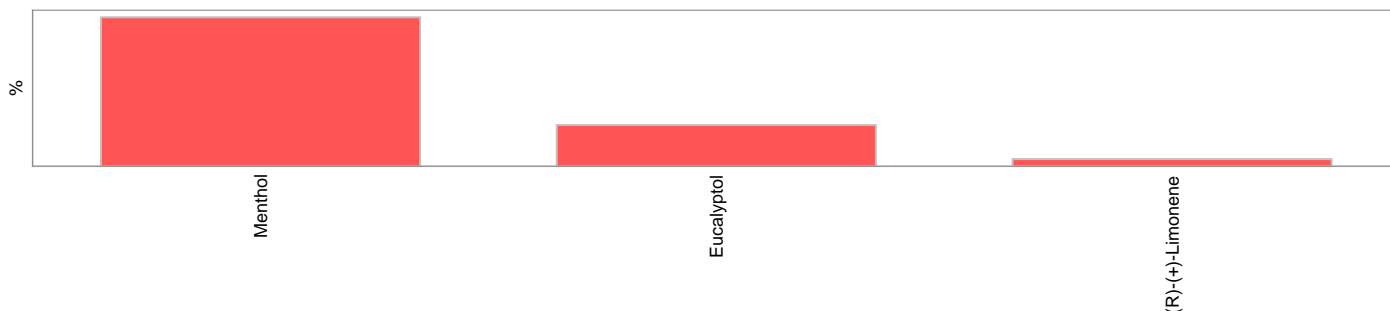


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Solvents											Method: Residual Solvents by GC/MS					Units µg/g		Batch 2307514		Analyze 05/22/23 11:29 AM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes													
1,4-Dioxane [‡]	< LOQ	380	100	pass		2-Butanol [‡]	< 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														



Terpenes				Method: J AOAC 2015 V98-6	Units %	Batch 2307526	Analyze 05/20/23 05:57 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
Menthol	0.362	0.019	73.727%		Eucalyptol	0.105	0.019	21.385%	
(R)-(+)-Limonene	0.0235	0.019	4.7862%		a-Terpinene	< LOQ	0.019	0.00%	
a-cedrene	< LOQ	0.019	0.00%		p-Cymene	< LOQ	0.019	0.00%	
Isoborneol	< LOQ	0.019	0.00%		farnesene	< LOQ	0.019	0.00%	
a-phellandrene	< LOQ	0.019	0.00%		β-Caryophyllene	< LOQ	0.019	0.00%	
(+)-Pulegone	< LOQ	0.019	0.00%		d-3-Carene	< LOQ	0.019	0.00%	
a-pinene	< LOQ	0.019	0.00%		(±)-fenchone	< LOQ	0.019	0.00%	
Geraniol	< LOQ	0.019	0.00%		Camphene	< LOQ	0.019	0.00%	
Linalool	< LOQ	0.019	0.00%		(-)-a-Terpineol	< LOQ	0.019	0.00%	
Terpinolene	< LOQ	0.019	0.00%		(±)-Camphor	< LOQ	0.019	0.00%	
(+)-fenchol	< LOQ	0.019	0.00%		nerol	< LOQ	0.019	0.00%	
valencene	< LOQ	0.019	0.00%		Humulene	< LOQ	0.019	0.00%	
trans-β-Ocimene	< LOQ	0.012	0.00%		Sabinene	< LOQ	0.019	0.00%	
a-Bisabolol	< LOQ	0.019	0.00%		(±)-trans-Nerolidol	< LOQ	0.019	0.00%	
(-)-Guaiol	< LOQ	0.019	0.00%		(-)-β-Pinene	< LOQ	0.019	0.00%	
(-)-caryophyllene oxide	< LOQ	0.019	0.00%		(-)-Isopulegol	< LOQ	0.019	0.00%	
(+)-Borneol	< LOQ	0.019	0.00%		(+)-Cedrol	< LOQ	0.019	0.00%	
(±)-cis-Nerolidol	< LOQ	0.019	0.00%		cis-β-Ocimene	< LOQ	0.006	0.00%	
gamma-Terpinene	< LOQ	0.019	0.00%		Geranyl acetate	< LOQ	0.019	0.00%	
Sabinene hydrate	< LOQ	0.019	0.00%		β-Myrcene	< LOQ	0.019	0.00%	
Total Terpenes	0.491								



Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes	
Arsenic [‡]	< LOQ	0.200	mg/kg	0.0768	2307620	05/24/23 AOAC 2013.06 (mod.) ^p	pass		
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0768	2307620	05/24/23 AOAC 2013.06 (mod.) ^p	pass		
Lead [‡]	< LOQ	0.500	mg/kg	0.0768	2307620	05/24/23 AOAC 2013.06 (mod.) ^p	pass		
Mercury [‡]	< LOQ	0.100	mg/kg	0.0384	2307620	05/24/23 AOAC 2013.06 (mod.) ^p	pass		



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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

g = g

µg/g = Microgram per gram

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

mg/85g = Milligram per 85g

mg/1g = Milligram per 1g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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