



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

**Report Number:** 23-004997/D003.R000  
**Report Date:** 05/03/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 04/25/23 12:55

**Customer:** USA Hemp  
**Product identity:** 625mg Pain Gel Pump PGP625EWFS02  
**Project Number:** FSL1202  
**Client/Metric ID:** Container Size: 144grams  
**Laboratory ID:** 23-004997-0001

### Summary

#### Potency:

Analyte per 144g	Result	Limits	Units	Status	
CBC per 144g	39.0		mg/144g		CBD-Total per Serving Size 760 mg/144g
CBD per 144g	760		mg/144g		
CBDV per 144g	5.53		mg/144g		THC-Total per Serving Size 29.7 mg/144g
CBG per 144g	35.9		mg/144g		
CBT per 144g	8.27		mg/144g		CBD-Total per Serving Size 5.28 mg/1g
Δ9-THC per 144g	29.7		mg/144g		
Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g	0.271		mg/1g		THC-Total per Serving Size 0.206 mg/1g
CBD per 1g	5.28		mg/1g		(Reported in milligrams per serving)
CBDV per 1g	0.0384		mg/1g		
CBG per 1g	0.249		mg/1g		
CBT per 1g	0.0574		mg/1g		
Δ9-THC per 1g	0.206		mg/1g		

#### Residual Solvents:

All analytes passing and less than LOQ.

#### Pesticides:

All analytes passing and less than LOQ.

#### Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
Menthol	0.511	75.37%	Eucalyptol	0.143	21.09%
(R)-(+)-Limonene	0.0238	3.51%	<b>Total Terpenes</b>	<b>0.678</b>	<b>100.00%</b>

#### Metals:

Less than LOQ for all analytes.



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**Customer:** USA Hemp

**Product identity:** 625mg Pain Gel Pump PGP625EWFS02  
**Project Number:** FSL1202  
**Client/Metric ID:** Container Size: 144grams  
**Sample Date:**  
**Laboratory ID:** 23-004997-0001  
**Evidence of Cooling:** No  
**Temp:** 20 °C  
**Relinquished by:** USPS  
**Serving Size #1:** 144 g  
**Serving Size #2:** 1 g

### Sample Results

Potency per 144g					
Method: J AOAC 2015 V98-6 (mod)		Units mg/se		Batch: 2306791	
				Analyze: 4/26/23 9:10:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 144g	39.0		mg/144g	4.77	
CBC-A per 144g	< LOQ		mg/144g	0.0331	
CBC-Total per 144g	39.0		mg/144g	8.95	
CBD per 144g	760		mg/144g	4.77	
CBD-A per 144g	< LOQ		mg/144g	0.0331	
CBD-Total per 144g	760		mg/144g	8.95	
CBDV per 144g	5.53		mg/144g	4.77	
CBDV-A per 144g	< LOQ		mg/144g	0.0331	
CBDV-Total per 144g	< LOQ		mg/144g	8.90	
CBE per 144g	< LOQ		mg/144g	0.0331	
CBG per 144g	35.9		mg/144g	4.77	
CBG-A per 144g	< LOQ		mg/144g	0.0331	
CBG-Total per 144g	35.9		mg/144g	8.90	
CBL per 144g	< LOQ		mg/144g	0.0331	
CBL-A per 144g	< LOQ		mg/144g	4.77	
CBL-Total per 144g	< LOQ		mg/144g	8.95	
CBN per 144g	< LOQ		mg/144g	0.0331	
CBT per 144g	8.27		mg/144g	4.77	
Δ8-THCV per 144g	< LOQ		mg/144g	0.0331	
Δ10-THC-9R per 144g	< LOQ		mg/144g	0.0331	
Δ10-THC-9S per 144g	< LOQ		mg/144g	0.0331	
Δ10-THC-Total per 144g	< LOQ		mg/144g	0.0662	
Δ8-THC per 144g	< LOQ		mg/144g	0.0331	
Δ9-THC per 144g	29.7		mg/144g	4.77	
exo-THC per 144g	< LOQ		mg/144g	0.0331	
THC-A per 144g	< LOQ		mg/144g	0.0331	
THC-Total per 144g	29.7		mg/144g	8.95	
THCV per 144g	< LOQ		mg/144g	0.0331	
THCV-A per 144g	< LOQ		mg/144g	0.0331	
THCV-Total per 144g	< LOQ		mg/144g	0.0622	



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Potency per 144g		Method: J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2306791	Analyze: 4/26/23 9:10:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
Total Cannabinoids per 144g	881		mg/144g			

Potency per 1g		Method: J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2306791	Analyze: 4/26/23 9:10:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 1g	0.271		mg/1g	0.0331		
CBC-A per 1g	< LOQ		mg/1g	0.0331		
CBC-Total per 1g	0.271		mg/1g	0.0622		
CBD per 1g	5.28		mg/1g	0.0331		
CBD-A per 1g	< LOQ		mg/1g	0.0331		
CBD-Total per 1g	5.28		mg/1g	0.0622		
CBDV per 1g	0.0384		mg/1g	0.0331		
CBDV-A per 1g	< LOQ		mg/1g	0.0331		
CBDV-Total per 1g	< LOQ		mg/1g	0.0618		
CBE per 1g	< LOQ		mg/1g	0.0331		
CBG per 1g	0.249		mg/1g	0.0331		
CBG-A per 1g	< LOQ		mg/1g	0.0331		
CBG-Total per 1g	0.249		mg/1g	0.0618		
CBL per 1g	< LOQ		mg/1g	0.0331		
CBL-A per 1g	< LOQ		mg/1g	0.0331		
CBL-Total per 1g	< LOQ		mg/1g	0.0622		
CBN per 1g	< LOQ		mg/1g	0.0331		
CBT per 1g	0.0574		mg/1g	0.0331		
Δ8-THCV per 1g	< LOQ		mg/1g	0.0331		
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0331		
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0331		
Δ8-THC per 1g	< LOQ		mg/1g	0.0331		
Δ9-THC per 1g	0.206		mg/1g	0.0331		
exo-THC per 1g	< LOQ		mg/1g	0.0331		
THC-A per 1g	< LOQ		mg/1g	0.0331		
THC-Total per 1g	0.206		mg/1g	0.0622		
THCV per 1g	< LOQ		mg/1g	0.0331		
THCV-A per 1g	< LOQ		mg/1g	0.0331		
THCV-Total per 1g	< LOQ		mg/1g	0.0622		
Total Cannabinoids per 1g	6.12		mg/1g			

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Solvents						Method: Residual Solvents by GC/MS					Units $\mu\text{g/g}$		Batch 2306832		Analyze 04/28/23 11:54 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								



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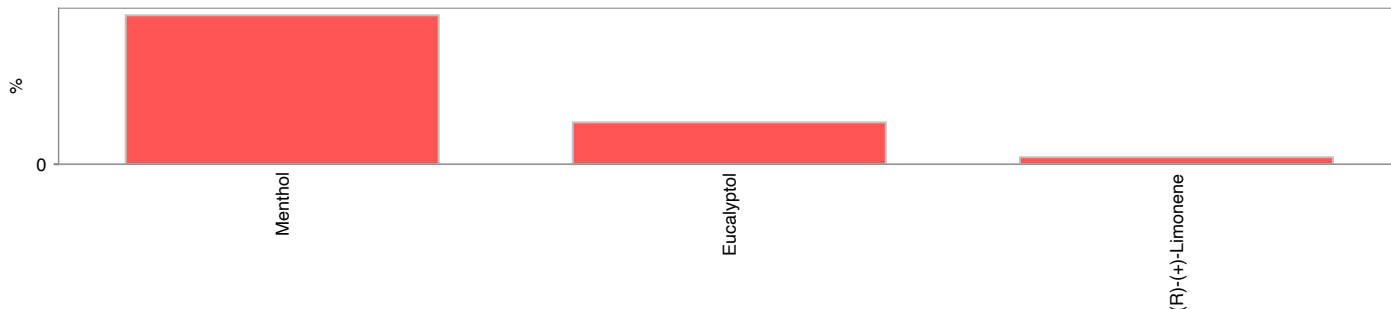
Pesticides					Method: AOAC 2007.01 & EN 15662 (mod)	Units mg/kg	Batch 2306806	Analyze 04/28/23 06:52 AM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin <sup>¥</sup>	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.200	pass	
Acequinocyl <sup>¥</sup>	< LOQ	2.0	1.00	pass		Acetamidrid	< LOQ	0.20	0.100	pass	
Aldicarb <sup>¥</sup>	< LOQ	0.40	0.200	pass		Azoxystrobin <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Bifenazate <sup>¥</sup>	< LOQ	0.20	0.100	pass		Bifenthrin <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Boscalid <sup>¥</sup>	< LOQ	0.40	0.200	pass		Carbaryl <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Carbofuran <sup>¥</sup>	< LOQ	0.20	0.100	pass		Chlorantraniliprole <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Chlorfenapyr <sup>¥</sup>	< LOQ	1.0	0.500	pass		Chlorpyrifos <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Clofentezine <sup>¥</sup>	< LOQ	0.20	0.100	pass		Cyfluthrin <sup>¥</sup>	< LOQ	1.0	0.500	pass	
Cypermethrin <sup>¥</sup>	< LOQ	1.0	0.500	pass		Daminozide <sup>¥</sup>	< LOQ	1.0	0.500	pass	
Diazinon <sup>¥</sup>	< LOQ	0.20	0.100	pass		Dichlorvos <sup>¥</sup>	< LOQ	1.0	0.500	pass	
Dimethoate <sup>¥</sup>	< LOQ	0.20	0.100	pass		Ethoprophos <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Etofenprox <sup>¥</sup>	< LOQ	0.40	0.200	pass		Etoazole <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Fenoxycarb <sup>¥</sup>	< LOQ	0.20	0.100	pass		Fenpyroximate <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Fipronil <sup>¥</sup>	< LOQ	0.40	0.200	pass		Flonicamid <sup>¥</sup>	< LOQ	1.0	0.400	pass	
Fludioxonil <sup>¥</sup>	< LOQ	0.40	0.200	pass		Hexythiazox <sup>¥</sup>	< LOQ	1.0	0.400	pass	
Imazali <sup>¥</sup>	< LOQ	0.20	0.100	pass		Imidacloprid <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Kresoxim-methyl <sup>¥</sup>	< LOQ	0.40	0.200	pass		Malathion <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Metalaxyl <sup>¥</sup>	< LOQ	0.20	0.100	pass		Methiocarb <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Methomyl <sup>¥</sup>	< LOQ	0.40	0.200	pass		MGK-264 <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Myclobutanil <sup>¥</sup>	< LOQ	0.20	0.100	pass		Naled <sup>¥</sup>	< LOQ	0.50	0.250	pass	
Oxamyl <sup>¥</sup>	< LOQ	1.0	0.500	pass		Paclobotrazole <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Parathion-Methyl <sup>¥</sup>	< LOQ	0.20	0.100	pass		Permethrin <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Phosmet <sup>¥</sup>	< LOQ	0.20	0.100	pass		Piperonyl butoxide <sup>¥</sup>	< LOQ	2.0	1.00	pass	
Prallethrin <sup>¥</sup>	< LOQ	0.20	0.100	pass		Propiconazole <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Propoxur <sup>¥</sup>	< LOQ	0.20	0.100	pass		Pyrethrin I (total) <sup>¥</sup>	< LOQ	1.0	0.500	pass	
Pyridaben <sup>¥</sup>	< LOQ	0.20	0.100	pass		Spinosad <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Spiromesifen <sup>¥</sup>	< LOQ	0.20	0.100	pass		Spirotetramat <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Spiroxamine <sup>¥</sup>	< LOQ	0.40	0.200	pass		Tebuconazole <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Thiacloprid <sup>¥</sup>	< LOQ	0.20	0.100	pass		Thiamethoxam <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Trifloxystrobin <sup>¥</sup>	< LOQ	0.20	0.100	pass							



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Terpenes				Method: J AOAC 2015 V98-6	Units %	Batch 2306784	Analyze 04/26/23 05:01 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
Menthol	0.511	0.019	75.369%		Eucalyptol	0.143	0.019	21.091%	
(R)-(+)-Limonene	0.0238	0.019	3.5103%		Isoborneol	< LOQ	0.019	0.00%	
a-Terpinene	< LOQ	0.019	0.00%		farnesene	< LOQ	0.019	0.00%	
p-Cymene	< LOQ	0.019	0.00%		a-phellandrene	< LOQ	0.019	0.00%	
Geranyl acetate	< 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%		a-cedrene	< LOQ	0.019	0.00%	
Linalool	< LOQ	0.019	0.00%		(+)-Pulegone	< LOQ	0.019	0.00%	
Terpinolene	< LOQ	0.019	0.00%		(+)-fenchol	< LOQ	0.019	0.00%	
(±)-Camphor	< LOQ	0.019	0.00%		β-Caryophyllene	< LOQ	0.019	0.00%	
(-)-a-Terpineol	< LOQ	0.019	0.00%		Sabinene	< LOQ	0.019	0.00%	
(-)-Isopulegol	< LOQ	0.019	0.00%		(+)-Borneol	< LOQ	0.019	0.00%	
valencene	< LOQ	0.019	0.00%		Sabinene hydrate	< LOQ	0.019	0.00%	
(-)-β-Pinene	< LOQ	0.019	0.00%		Humulene	< LOQ	0.019	0.00%	
β-Myrcene	< LOQ	0.019	0.00%		gamma-Terpinene	< LOQ	0.019	0.00%	
(-)-caryophyllene oxide	< LOQ	0.019	0.00%		(-)-Guaiol	< LOQ	0.019	0.00%	
(+)-Cedrol	< LOQ	0.019	0.00%		(±)-cis-Nerolidol	< LOQ	0.019	0.00%	
(±)-trans-Nerolidol	< LOQ	0.019	0.00%		a-Bisabolol	< LOQ	0.019	0.00%	
Camphene	< LOQ	0.019	0.00%		cis-β-Ocimene	< LOQ	0.006	0.00%	
nerol	< LOQ	0.019	0.00%		trans-β-Ocimene	< LOQ	0.012	0.00%	
<b>Total Terpenes</b>	<b>0.678</b>								



Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic <sup>‡</sup>	< LOQ	0.200	mg/kg	0.0935	2306795	04/27/23 AOAC 2013.06 (mod.) <sup>p</sup>	pass	
Cadmium <sup>‡</sup>	< LOQ	0.200	mg/kg	0.0935	2306795	04/27/23 AOAC 2013.06 (mod.) <sup>p</sup>	pass	
Lead <sup>‡</sup>	< LOQ	0.500	mg/kg	0.0935	2306795	04/27/23 AOAC 2013.06 (mod.) <sup>p</sup>	pass	
Mercury <sup>‡</sup>	< LOQ	0.100	mg/kg	0.0467	2306795	04/27/23 AOAC 2013.06 (mod.) <sup>p</sup>	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.

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

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

**Units of Measure**

g = g

µg/g = Microgram per gram

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

mg/144g = Milligram per 144g

mg/1g = Milligram per 1g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager