

# Hemp Pain Balm

**Sample ID:** 1901CSALA0037.0131  
**Strain:** Hemp Pain Balm  
**Matrix:** Topical  
**Type:** Other  
**Sample Size:** 1 units; Batch: 0 units

**Produced:** N/A  
**Collected:** 01/04/2019  
**Received:** 01/04/2019  
**Completed:** 01/07/2019  
**Batch#:** 121918PB012

**Client**  
**Papa and Barkley**  
**Lic. #**  
**122 W. 4th St**  
**Eureka, CA 95501**



## Summary

**Pass**

<b>15.7000 mg/g</b> Total Cannabinoids	<b>Pass</b> Pesticides	<b>Pass</b> Residual Solvents
<b>Pass</b> Microbials	<b>Pass</b> Mycotoxins	<b>Pass</b> Heavy Metals

## Cannabinoids

**Complete**

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Mass	Mass
	mg/g	mg/g	mg/g	%
THCa	0.0004	0.0010	ND	ND
Δ9-THC	0.0003	0.0010	0.5000	0.05000
Δ8-THC	0.0005	0.0020	ND	ND
THCV	0.0006	0.0020	ND	ND
CBDa	0.0004	0.0010	ND	ND
CBD	0.0003	0.0010	13.5100	1.35100
CBDV	0.0007	0.0020	0.3300	0.03300
CBN	0.0002	0.0010	ND	ND
CBGa	0.0006	0.0020	ND	ND
CBG	0.0006	0.0020	0.6100	0.06100
CBC	0.0002	0.0010	0.7500	0.07500
<b>Total</b>			<b>15.7000</b>	<b>1.57000</b>

**0.5000 mg/g**  
Total THC

**13.5100 mg/g**  
Total CBD

## Terpenes

**Not Tested**

Testing method: HSGCMS-SOP 201

Analyte	LOD	LOQ	Mass	Mass
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Date Tested: 01/04/2019

Total THC = THCa \* 0.877 + d9-THC

Total CBD = CBDa \* 0.877 + CBD

 LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.  
 The reported result is based on a sample weight with the applicable moisture content for that sample;

<b>NT</b> Moisture SOP-103	<b>0.238 aw</b> Water Activity SOP-102	<b>Pass</b> Foreign Matter SOP-001
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 01/07/2019

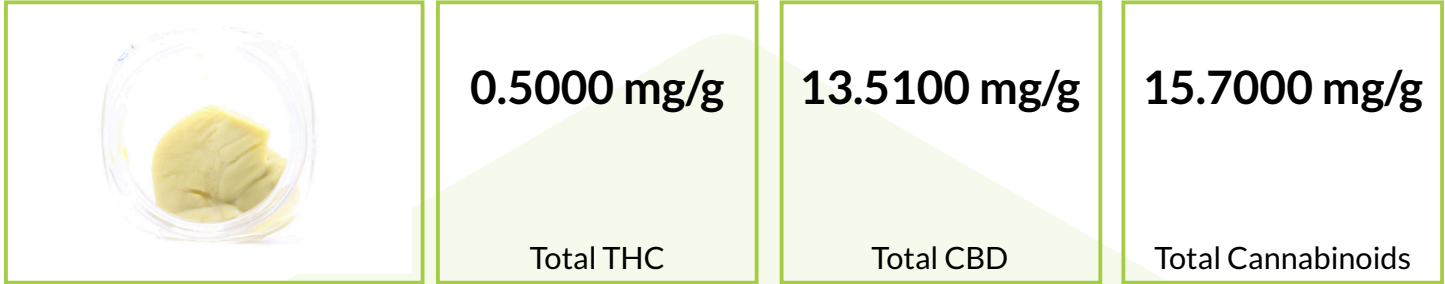
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## Cannabinoids

Complete

Analyte	LOD	LOQ	Mass	Mass
	mg/g	mg/g	mg/g	%
Testing method: HPLC-SOP 101				
THCa	0.0004	0.0010	ND	ND
Δ9-THC	0.0003	0.0010	0.5000	0.05000 █
Δ8-THC	0.0005	0.0020	ND	ND
THCV	0.0006	0.0020	ND	ND
CBDa	0.0004	0.0010	ND	ND
CBD	0.0003	0.0010	13.5100	1.35100 █
CBDV	0.0007	0.0020	0.3300	0.03300 █
CBN	0.0002	0.0010	ND	ND
CBGa	0.0006	0.0020	ND	ND
CBG	0.0006	0.0020	0.6100	0.06100 █
CBC	0.0002	0.0010	0.7500	0.07500 █
<b>Total</b>			<b>15.7000</b>	<b>1.57000</b>

Total THC = THCa \* 0.877 + d9-THC

Total CBD = CBDa \* 0.877 + CBD

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected. The reported result is based on a sample weight with the applicable moisture content for that sample;


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## Pesticides

Test Method: LCMS &amp; GCMS-SOP 301

Pass

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	PPM			PPM	PPM	PPM	PPM	
Abamectin	0.005	0.100	0.300	ND	Pass	Fludioxonil	0.001	0.100	30.000	ND	Pass
Acephate	0.000	0.100	5.000	ND	Pass	Hexythiazox	0.000	0.100	2.000	ND	Pass
Acequinocyl	0.000	0.100	4.000	ND	Pass	Imazalil	0.100	0.100	0.100	ND	Pass
Acetamiprid	0.000	0.100	5.000	ND	Pass	Imidacloprid	0.001	0.100	3.000	ND	Pass
Aldicarb	0.100	0.100	0.100	ND	Pass	Kresoxim Methyl	0.003	0.100	1.000	ND	Pass
Azoxystrobin	0.000	0.100	40.000	ND	Pass	Malathion	0.001	0.100	5.000	ND	Pass
Bifenazate	0.000	0.100	5.000	ND	Pass	Metalaxyl	0.001	0.100	15.000	ND	Pass
Bifenthrin	0.000	0.100	0.500	ND	Pass	Methiocarb	0.100	0.100	0.100	ND	Pass
Boscalid	0.001	0.100	10.000	ND	Pass	Methomyl	0.001	0.100	0.100	ND	Pass
Captan	0.001	0.100	5.000	ND	Pass	Methyl Parathion	0.100	0.100	0.100	ND	Pass
Carbaryl	0.001	0.100	0.500	ND	Pass	Mevinphos	0.100	0.100	0.100	ND	Pass
Carbofuran	0.100	0.100	0.100	ND	Pass	Myclobutanil	0.004	0.100	9.000	ND	Pass
Chlorantraniliprole	0.001	0.100	40.000	ND	Pass	Naled	0.004	0.100	0.500	ND	Pass
Chlordane	0.100	0.100	0.100	ND	Pass	Oxamyl	0.000	0.100	0.200	ND	Pass
Chlorfenapyr	0.100	0.100	0.100	ND	Pass	Paclbutrazol	0.100	0.100	0.100	ND	Pass
Chlorpyrifos	0.100	0.100	0.100	ND	Pass	Pentachloronitrobenzene	0.000	0.100	0.200	ND	Pass
Clofentezine	0.001	0.100	0.500	ND	Pass	Permethrin	0.001	0.100	20.000	ND	Pass
Coumaphos	0.100	0.100	0.100	ND	Pass	Phosmet	0.000	0.100	0.200	ND	Pass
Cyfluthrin	0.001	0.100	1.000	ND	Pass	Piperonyl Butoxide	0.001	0.100	8.000	ND	Pass
Cypermethrin	0.000	0.100	1.000	ND	Pass	Prallethrin	0.000	0.100	0.400	ND	Pass
Daminozide	0.100	0.100	0.100	ND	Pass	Propiconazole	0.000	0.100	20.000	ND	Pass
DDVP	0.100	0.100	0.100	ND	Pass	Propoxur	0.100	0.100	0.100	ND	Pass
Diazinon	0.001	0.100	0.200	ND	Pass	Pyrethrins	0.000	0.100	1.000	ND	Pass
Dimethoate	0.100	0.100	0.100	ND	Pass	Pyridaben	0.001	0.100	3.000	ND	Pass
Dimethomorph	0.001	0.100	20.000	ND	Pass	Spinetoram	0.001	0.100	3.000	ND	Pass
Ethoprophos	0.100	0.100	0.100	ND	Pass	Spinosad	0.000	0.100	3.000	ND	Pass
Etofenprox	0.100	0.100	0.100	ND	Pass	Spiromesifen	0.001	0.100	12.000	ND	Pass
Etoazole	0.010	0.100	1.500	ND	Pass	Spirotetramat	0.000	0.100	13.000	ND	Pass
Fenhexamid	0.001	0.100	10.000	ND	Pass	Spiroxamine	0.100	0.100	0.100	ND	Pass
Fenoxycarb	0.100	0.100	0.100	ND	Pass	Tebuconazole	0.002	0.100	2.000	ND	Pass
Fenpyroximate	0.001	0.100	2.000	ND	Pass	Thiacloprid	0.100	0.100	0.100	ND	Pass
Fipronil	0.100	0.100	0.100	ND	Pass	Thiamethoxam	0.000	0.100	4.500	ND	Pass
Fonicamid	0.001	0.100	2.000	ND	Pass	Trifloxystrobin	0.001	0.100	30.000	ND	Pass

Date Tested: 01/04/2019

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## Heavy Metals

	Analyte	Mass	LOQ	LOD	Limit	Status
Testing method: ICPMS-SOP 501		PPB	PPB	PPB	PPB	
	Arsenic	<LOQ	10.000	1.000	1500.000	Pass
	Cadmium	ND	10.000	1.000	500.000	Pass
	Lead	70.148	10.000	1.000	500.000	Pass
	Mercury	<LOQ	10.000	1.000	3000.000	Pass

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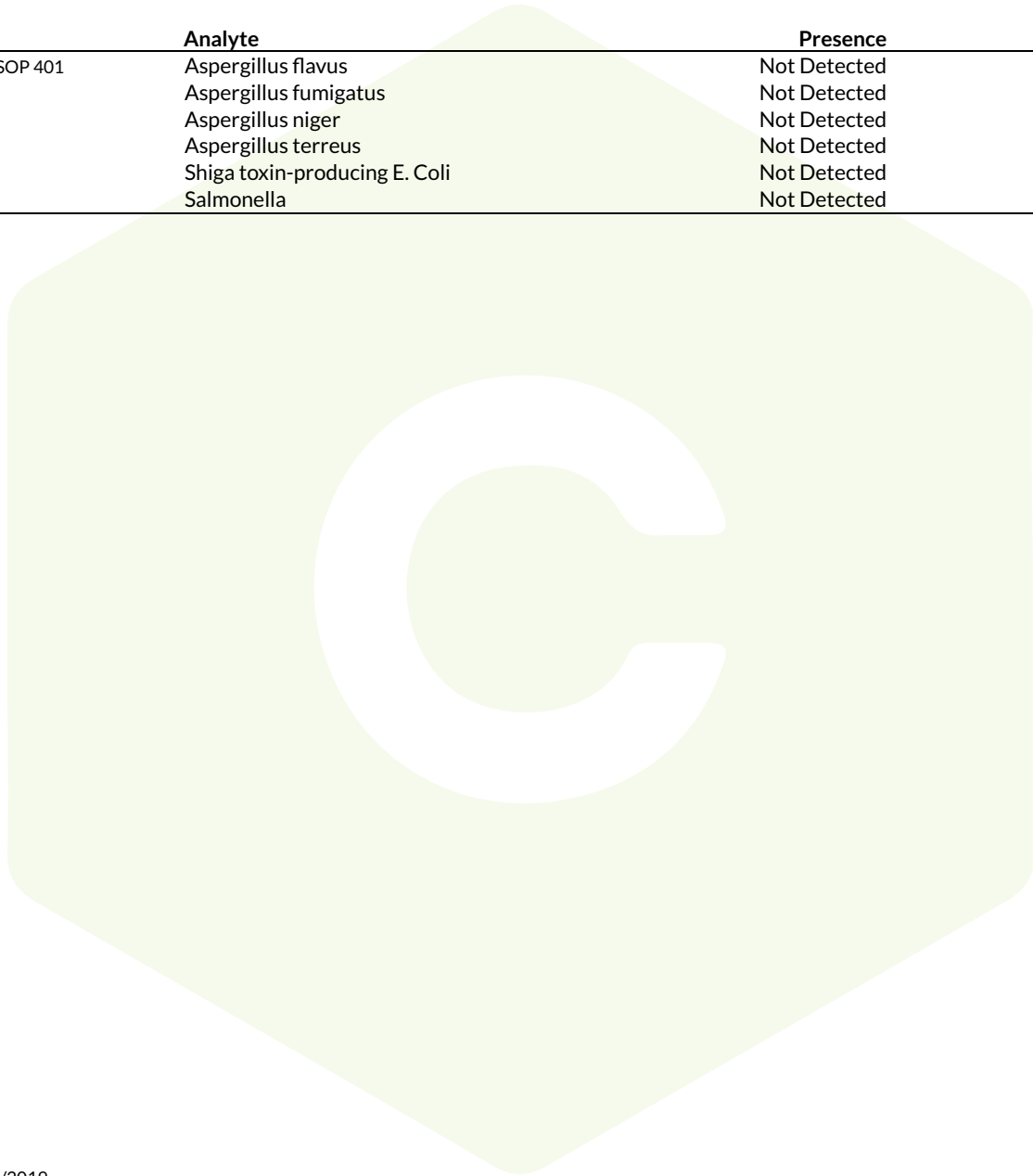
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## Microbials

	Analyte	Presence	Status
Test method: PCR-SOP 401	Aspergillus flavus	Not Detected	Pass
	Aspergillus fumigatus	Not Detected	Pass
	Aspergillus niger	Not Detected	Pass
	Aspergillus terreus	Not Detected	Pass
	Shiga toxin-producing E. Coli	Not Detected	Pass
	Salmonella	Not Detected	Pass



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## Residual Solvents

	Analyte	LOD	LOQ	Limit	Mass	Status
Testing method:		PPM	PPM	PPM	PPM	
	1,2-Dichloro-Ethane	0.100	30.000	0.100	ND	Pass
	Acetone	3.800	250.000	500.000	ND	Pass
	Acetonitrile	0.500	1.000	410.000	ND	Pass
	Benzene	0.000	12.000	0.000	ND	Pass
	Butane	0.800	2500.000	5000.000	ND	Pass
	Chloroform	0.100	360.000	0.100	ND	Pass
	Ethanol	3.800	2500.000	5000.000	ND	Pass
	Ethyl-Acetate	3.800	2500.000	5000.000	ND	Pass
	Ethyl-Ether	3.400	2500.000	5000.000	ND	Pass
	Ethylene Oxide	0.200	300.000	0.200	ND	Pass
	Heptane	4.500	2500.000	5000.000	ND	Pass
	Isopropanol	4.600	100.000	5000.000	ND	Pass
	Methanol	5.300	200.000	3000.000	ND	Pass
	Methylene-Chloride	0.900	2500.000	0.900	ND	Pass
	n-Hexane	0.400	70.000	290.000	ND	Pass
	Pentane	3.900	2500.000	5000.000	ND	Pass
	Propane	0.300	2500.000	5000.000	ND	Pass
	Toluene	1.700	30.000	890.000	ND	Pass
	Trichloroethene	0.100	480.000	0.100	ND	Pass
	Xylenes	2.400	10.000	2170.000	ND	Pass

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## Mycotoxins

	Analyte	LOQ	Limit	Units	Status
Test method: LCMS-SOP 301		PPB	PPB	PPB	
	B1	5.000		ND	Tested
	B2	5.000		ND	Tested
	G1	5.000		ND	Tested
	G2	5.000		ND	Tested
	Ochratoxin A	5.000	20.000	ND	Pass
	Total Aflatoxins	5.000	20.000	ND	Pass

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