

Prepared for:  
**House of Alchemy LLC**  
23110 State Rd 54, Unit 361  
Lutz, FL United States 33549

## CALM Horse Tincture


Batch ID or Lot Number: <b>040223</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 7
Reported: <b>18Dec2023</b>	Started: 15Dec2023	Received: 14Dec2023	


## Cannabinoids - Colorado Compliance

Test ID: T000264245  
Methods: TM14 (HPLC-DAD): Potency - Full Spectrum  
Analysis, 0.3% THC

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	6.913	23.420	37.829	0.33	# of Servings = 1 Sample Weight=113.4g
Cannabichromenic Acid (CBCA)	6.323	21.422	ND	ND	
Cannabidiol (CBD)	20.145	57.589	6296.896	55.53	
Cannabidiolic Acid (CBDA)	20.661	59.066	ND	ND	
Cannabidivarin (CBDV)	4.764	13.620	89.063	0.79	
Cannabidivarinic Acid (CBDVA)	8.619	24.639	ND	ND	
Cannabigerol (CBG)	3.925	13.297	141.797	1.25	
Cannabigerolic Acid (CBGA)	16.408	55.588	ND	ND	
Cannabinol (CBN)	5.121	17.347	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	11.195	37.926	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	19.548	66.225	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	17.753	60.145	178.118	1.57	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	15.730	53.288	ND	ND	
Tetrahydrocannabivarin (THCV)	3.570	12.095	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	13.874	47.002	ND	ND	
<b>Total Cannabinoids</b>			<b>6743.703</b>	<b>59.47</b>	
Total Potential THC			178.118	1.57	
Total Potential CBD			6296.896	55.53	

### Final Approval

  
PREPARED BY / DATE  
Sam Smith  
18Dec2023  
02:50:00 PM MST

  
APPROVED BY / DATE  
Karen Winternheimer  
18Dec2023  
02:53:00 PM MST

Prepared for:  
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## Microbial Contaminants - Colorado Compliance


Test ID: T000264248  
Methods: TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

### Final Approval

  
Brianne Maillot  
18Dec2023  
12:56:00 PM MST

PREPARED BY / DATE

  
Brett Hudson  
18Dec2023  
01:23:00 PM MST

APPROVED BY / DATE

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## Pesticides

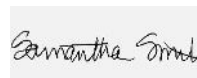
Test ID: T000264247

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)	Dynamic Range (ppb)	Result (ppb)	
Abamectin	261 - 2803	ND	Malathion	288 - 2663	ND
Acephate	43 - 2806	ND	Metalaxyl	45 - 2682	ND
Acetamiprid	45 - 2739	ND	Methiocarb	45 - 2698	ND
Azoxystrobin	46 - 2680	ND	Methomyl	42 - 2816	ND
Bifenazate	45 - 2682	ND	MGK 264 1	164 - 1629	ND
Boscalid	52 - 2727	ND	MGK 264 2	110 - 1084	ND
Carbaryl	43 - 2713	ND	Myclobutanil	14 - 2686	ND
Carbofuran	44 - 2690	ND	Naled	47 - 2670	ND
Chlorantraniliprole	41 - 2652	ND	Oxamyl	43 - 2820	ND
Chlorpyrifos	41 - 2702	ND	Paclobutrazol	40 - 2715	ND
Clofentezine	276 - 2742	ND	Permethrin	277 - 2734	ND
Diazinon	293 - 2684	ND	Phosmet	45 - 2564	ND
Dichlorvos	289 - 2802	ND	Prophos	274 - 2674	ND
Dimethoate	42 - 2782	ND	Propoxur	45 - 2699	ND
E-Fenpyroximate	280 - 2759	ND	Pyridaben	287 - 2678	ND
Etofenprox	43 - 2686	ND	Spinosad A	33 - 2092	ND
Etoazole	278 - 2626	ND	Spinosad D	65 - 662	ND
Fenoxycarb	47 - 2684	ND	Spiromesifen	267 - 2700	ND
Fipronil	33 - 2818	ND	Spirotetramat	302 - 2752	ND
Flonicamid	43 - 2860	ND	Spiroxamine 1	16 - 1013	ND
Fludioxonil	313 - 2681	ND	Spiroxamine 2	24 - 1579	ND
Hexythiazox	46 - 2725	ND	Tebuconazole	303 - 2661	ND
Imazalil	288 - 2718	ND	Thiacloprid	42 - 2788	ND
Imidacloprid	44 - 2830	ND	Thiamethoxam	41 - 2835	ND
Kresoxim-methyl	46 - 2690	ND	Trifloxystrobin	43 - 2729	ND

## Final Approval

  
Karen Winternheimer  
19Dec2023  
09:09:00 AM MST  
PREPARED BY / DATE

  
Sam Smith  
19Dec2023  
09:36:00 AM MST  
APPROVED BY / DATE

Prepared for:  
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## CALM Horse Tincture


Batch ID or Lot Number: <b>040223</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 4 of 7
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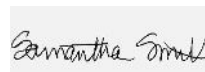
## Residual Solvents - Colorado Compliance

Test ID: T000264250  
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	99 - 1983	ND	
Butanes (Isobutane, n-Butane)	190 - 3810	ND	
Methanol	66 - 1327	ND	
Pentane	101 - 2022	ND	
Ethanol	108 - 2169	ND	
Acetone	107 - 2132	ND	
Isopropyl Alcohol	120 - 2406	ND	
Hexane	6 - 129	ND	
Ethyl Acetate	109 - 2182	ND	
Benzene	0.2 - 4.3	ND	
Heptanes	103 - 2057	ND	
Toluene	20 - 396	ND	
Xylenes (m,p,o-Xylenes)	146 - 2918	ND	

### Final Approval

  
Karen Winternheimer  
19Dec2023  
08:26:00 AM MST  
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Sam Smith  
19Dec2023  
08:49:00 AM MST  
APPROVED BY / DATE

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## CALM Horse Tincture

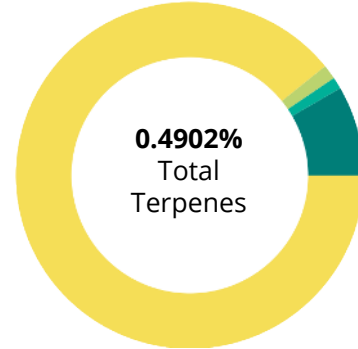
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### Terpenes

Test ID: T000264246

Methods: TM22 (GC-MS)

	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0000	0.0000
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0000	0.0000
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0372	0.372
beta-Myrcene	0.0049	0.049
beta-Ocimene	0.0149	0.149
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.0060	0.060
delta-3-Carene	0.0006	0.006
Eucalyptol	0.0106	0.106
gamma-Terpinene	0.0000	0.0000
Geraniol	0.0000	0.0000
Linalool	0.3960	3.960
Ocimene	0.0200	0.200
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0000	0.0000
	<b>0.4902</b>	<b>4.9020</b>




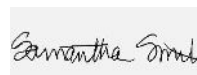
#### PREDOMINANT TERPENES

<b>(-)-alpha-Bisabolol</b>	0.0000
<b>(-)-beta-Pinene</b>	0.0000
<b>alpha-Humulene</b>	0.0000
<b>alpha-Pinene</b>	0.0000
<b>alpha-Terpinene</b>	0.0000
<b>beta-Caryophyllene</b>	0.0372
<b>beta-Myrcene</b>	0.0049
<b>d-Limonene</b>	0.0060
<b>delta-3-Carene</b>	0.0006
<b>Linalool</b>	0.3960

#### Notes

#### Final Approval

  
Karen Winternheimer  
19Dec2023  
10:50:00 AM MST  
PREPARED BY / DATE

  
Sam Smith  
19Dec2023  
10:53:00 AM MST  
APPROVED BY / DATE

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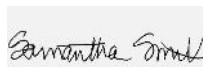
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## Heavy Metals - Colorado Compliance

Test ID: T000264249  
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.06	ND	
Cadmium	0.04 - 4.19	ND	
Mercury	0.04 - 4.23	ND	
Lead	0.04 - 4.16	ND	

### Final Approval

  
Sam Smith  
20Dec2023  
09:15:00 AM MST  
PREPARED BY / DATE

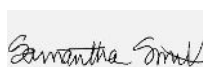
  
Karen Winternheimer  
20Dec2023  
10:52:00 AM MST  
APPROVED BY / DATE


## Mycotoxins - Colorado Compliance

Test ID: T000264251  
Methods: TM18 (UHPLC-QQQ  
LCMS/MS): Mycotoxins

LCMS/MS): Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.81 - 128.57	ND	N/A
Aflatoxin B1	0.96 - 31.90	ND	
Aflatoxin B2	1.46 - 32.09	ND	
Aflatoxin G1	0.96 - 32.21	ND	
Aflatoxin G2	1.09 - 32.55	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### Final Approval

  
Sam Smith  
22Dec2023  
08:04:00 AM MST  
PREPARED BY / DATE

  
Karen Winternheimer  
22Dec2023  
08:07:00 AM MST  
APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/c9d4896e-3fc4-4b86-bcc0-9f071adc1572>

### Definitions

LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa \* (0.877)) and Total CBD = CBD + (CBDa \* (0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa \* (0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 100,000 CFU.

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



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