

Prepared for:  
**Himiko Organics**

**Tinctures 1500mg Broad Spec MCT NF**

Batch ID or Lot Number: <b>TN12B2403</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 6
Reported: <b>26Feb2024</b>	Started: 23Feb2024	Received: 23Feb2024	


**Residual Solvents -  
Colorado Compliance**


Test ID: T000271672

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	97 - 1931	ND	
Butanes (Isobutane, n-Butane)	183 - 3662	ND	
Methanol	67 - 1337	ND	
Pentane	97 - 1949	ND	
Ethanol	98 - 1962	ND	
Acetone	102 - 2047	ND	
Isopropyl Alcohol	109 - 2185	ND	
Hexane	7 - 133	ND	
Ethyl Acetate	110 - 2197	ND	
Benzene	0.2 - 4.7	ND	
Heptanes	109 - 2187	ND	
Toluene	22 - 434	ND	
Xylenes (m,p,o-Xylenes)	158 - 3165	ND	

**Final Approval**

  
 Karen Winternheimer  
 26Feb2024  
 12:21:00 PM MST  
 PREPARED BY / DATE

  
 Sam Smith  
 26Feb2024  
 12:22:00 PM MST  
 APPROVED BY / DATE

Prepared for:  
**Himiko Organics**

## Tinctures 1500mg Broad Spec MCT NF

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### Microbial Contaminants - Colorado Compliance

Test ID: T000271670  
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

  
Brett Hudson  
26Feb2024  
04:12:00 PM MST

  
Brianne Maillot  
26Feb2024  
04:31:00 PM MST

PREPARED BY / DATE

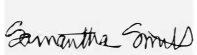
APPROVED BY / DATE

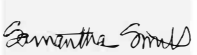
### Heavy Metals - Colorado Compliance

Test ID: T000271671  
Methods: TM19 (ICP-MS): Heavy  
Metals

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.29	ND	
Cadmium	0.05 - 4.51	ND	
Mercury	0.05 - 4.74	ND	
Lead	0.03 - 3.37	ND	

#### Final Approval

  
Sam Smith  
26Feb2024  
01:58:00 PM MST

  
Sam Smith  
27Feb2024  
08:17:00 AM MST

PREPARED BY / DATE

APPROVED BY / DATE

Prepared for:  
**Himiko Organics**

## Tinctures 1500mg Broad Spec MCT NF

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### Pesticides


Test ID: T000271669

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)	Dynamic Range (ppb)	Result (ppb)	
Abamectin	277 - 2691	ND	Malathion	290 - 2684	ND
Acephate	42 - 2661	ND	Metalaxyl	43 - 2715	ND
Acetamiprid	41 - 2675	ND	Methiocarb	43 - 2701	ND
Azoxystrobin	48 - 2688	ND	Methomyl	40 - 2717	ND
Bifenazate	44 - 2695	ND	MGK 264 1	170 - 1633	ND
Boscalid	46 - 2666	ND	MGK 264 2	100 - 1073	ND
Carbaryl	42 - 2691	ND	Myclobutanil	40 - 2682	ND
Carbofuran	44 - 2692	ND	Naled	45 - 2651	ND
Chlorantraniliprole	40 - 2671	ND	Oxamyl	41 - 2712	ND
Chlorpyrifos	53 - 2685	ND	Paclobutrazol	46 - 2710	ND
Clofentezine	273 - 2698	ND	Permethrin	284 - 2754	ND
Diazinon	290 - 2692	ND	Phosmet	41 - 2562	ND
Dichlorvos	290 - 2674	ND	Prophos	291 - 2668	ND
Dimethoate	40 - 2684	ND	Propoxur	42 - 2697	ND
E-Fenpyroximate	258 - 2738	ND	Pyridaben	291 - 2708	ND
Etofenprox	46 - 2699	ND	Spinosad A	32 - 2080	ND
Etoxazole	289 - 2622	ND	Spinosad D	66 - 668	ND
Fenoxycarb	42 - 2696	ND	Spiromesifen	261 - 2707	ND
Fipronil	41 - 2821	ND	Spirotetramat	288 - 2747	ND
Flonicamid	50 - 2744	ND	Spiroxamine 1	16 - 1023	ND
Fludioxonil	303 - 2688	ND	Spiroxamine 2	25 - 1588	ND
Hexythiazox	42 - 2739	ND	Tebuconazole	287 - 2690	ND
Imazalil	275 - 2727	ND	Thiacloprid	42 - 2695	ND
Imidacloprid	43 - 2746	ND	Thiamethoxam	42 - 2725	ND
Kresoxim-methyl	42 - 2730	ND	Trifloxystrobin	45 - 2706	ND

### Final Approval

  
 Karen Winternheimer  
 28Feb2024  
 10:34:00 AM MST  
 PREPARED BY / DATE

  
 Sam Smith  
 28Feb2024  
 10:39:00 AM MST  
 APPROVED BY / DATE

Prepared for:  
**Himiko Organics**

## Tinctures 1500mg Broad Spec MCT NF

Batch ID or Lot Number: <b>TN12B2403</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 6
Reported: <b>26Feb2024</b>	Started: 23Feb2024	Received: 23Feb2024	

### Cannabinoids - Colorado Compliance


Test ID: T000271667


Methods: TM14 (HPLC-DAD): Potency - Broad

Spectrum Analysis, 0.01% THC

	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.006	0.020	ND	ND	
Cannabichromenic Acid (CBCA)	0.005	0.018	ND	ND	
Cannabidiol (CBD)	0.018	0.051	5.587	55.87	
Cannabidiolic Acid (CBDA)	0.018	0.052	ND	ND	
Cannabidivarin (CBDV)	0.004	0.012	0.094	0.94	
Cannabidivarinic Acid (CBDVA)	0.008	0.022	ND	ND	
Cannabigerol (CBG)	0.003	0.011	ND	ND	
Cannabigerolic Acid (CBGA)	0.014	0.047	ND	ND	
Cannabinol (CBN)	0.004	0.015	ND	ND	
Cannabinolic Acid (CBNA)	0.009	0.032	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.017	0.056	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.002	0.008	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.002	0.007	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.010	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.012	0.039	ND	ND	
<b>Total Cannabinoids</b>			<b>5.681</b>	<b>56.81</b>	
Total Potential THC			ND	ND	
Total Potential CBD			5.587	55.87	

### Final Approval

  
 Karen Winternheimer  
 28Feb2024  
 11:32:00 AM MST  
 PREPARED BY / DATE

  
 Sam Smith  
 28Feb2024  
 11:34:00 AM MST  
 APPROVED BY / DATE

Prepared for:  
**Himiko Organics**

## Tinctures 1500mg Broad Spec MCT NF

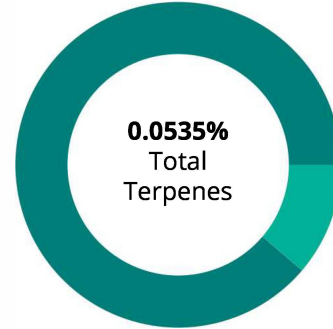
Batch ID or Lot Number: <b>TN12B2403</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 5 of 6
Reported: <b>26Feb2024</b>	Started: 23Feb2024	Received: 23Feb2024	

### Terpenes

Test ID: T000271668

Methods: TM22 (GC-MS)

	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0000	0.0000
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0259	0.259
(-)-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	0.0245	0.245
beta-Myrcene	0.0000	0.0000
beta-Ocimene	0.0000	0.0000
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.0000	0.0000
delta-3-Carene	0.0000	0.0000
Eucalyptol	0.0000	0.0000
gamma-Terpinene	0.0000	0.0000
Geraniol	0.0000	0.0000
Linalool	0.0031	0.031
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0000	0.0000
	<b>0.0535</b>	<b>0.5350</b>

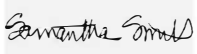



#### PREDOMINANT TERPENES

(-)-alpha-Bisabolol	0.0000
(-)-beta-Pinene	0.0000
alpha-Humulene	0.0000
alpha-Pinene	0.0000
alpha-Terpinene	0.0000
beta-Caryophyllene	0.0245
beta-Myrcene	0.0000
d-Limonene	0.0000
delta-3-Carene	0.0000
Linalool	0.0031

#### Notes

#### Final Approval

  
 Sam Smith  
 29Feb2024  
 01:13:00 PM MST  
 PREPARED BY / DATE

  
 Karen Winterheimer  
 29Feb2024  
 01:14:00 PM MST  
 APPROVED BY / DATE

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**Himiko Organics**

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## Mycotoxins - Colorado Compliance

Test ID: T000271673

Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.47 - 132.43	ND	N/A
Aflatoxin B1	0.95 - 33.68	ND	
Aflatoxin B2	1.01 - 33.65	ND	
Aflatoxin G1	1.01 - 33.42	ND	
Aflatoxin G2	1.11 - 33.65	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### Final Approval



Karen Winternheimer  
03Mar2024  
11:07:00 AM MST

PREPARED BY / DATE



Phillip Travisano  
03Mar2024  
11:09:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uid/3d858a41-8be1-4d0b-b39f-80bb3fb55e0c>

### 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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