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# QUANTIC HERBS

Endo-aligned

## RELIEF

Alívio da dor e inflamação

Full spectrum 1500mg (0,2% THC)

Todos os ingredientes são derivados de fontes naturais fito botânicas e processadas para garantir no mínimo 95% de pureza. Este processo único permite definir consistência e garante que cada uma de nossas fórmulas exclusivas proporcione efeitos homogêneos relacionados ao bem estar físico e mental, associados com a formulação específica.

### Especificações:

- **Canabinóides:** CBD, CBDV, CBN e CBG
- **Perfil do terpeno (primário):**  $\beta$ -Cariofileno, Mirceno, Humuleno
- **Óleos essenciais:** Lavanda, Sândalo, Pimenta Caiena e Menta
- **Óleo de base:** MCT

Produzido em uma unidade BPF (Boas Práticas de Fabricação) de acordo com padrões estritos a fim da segurança e consistência.

• **Relief:** Contém uma mistura exclusiva de CBD, terpenos e óleos essenciais designados para aliviar sintomas comumente associados à dor e inflamação generalizadas.

• **Personalização:** Ao mesmo tempo em que Relief é indicado para a maioria dos indivíduos, é também formulado especialmente para alinhar-se com o DNA individual e suas predisposições genéticas.

• **Alinhamento Genético:** Baseado em estudos científicos, poderá ser melhor otimizado para indivíduos com variações genéticas nos genes HTR2, CNR2, FAAH e AKT1.

• **Frasco Miron Glass:** É embalado em um frasco de vidro violeta, fotobiótico, para preservar as propriedades sensíveis dos micronutrientes, canabinóides, terpenos e óleos essenciais e também as frequências sùtis, presentes em cada uma das fórmulas exclusivas.



Prepared for:

**Quantic herbs USA, LLC**

5830 E 2ND ST, STE 7000

CASPER, WY 82609

## Quantic herbs Relief Tincture Full Spectrum

Batch ID or Lot Number: <b>23009054-4</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 7
Reported: <b>01Sept2023</b>	Started: 18Aug2023	Received: 12Aug2023	


### Heavy Metals

Test ID: T000245077

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.64	ND	
Cadmium	0.04 - 4.44	ND	
Mercury	0.05 - 4.55	ND	
Lead	0.04 - 4.26	ND	

### Final Approval

  
Sam Smith  
01Sept2023  
01:58:00 PM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
01Sept2023  
02:04:00 PM MDT  
APPROVED BY / DATE


### Cannabinoids

Test ID: T000245073

Methods: TM14 (HPLC-DAD)

	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.006	0.018	0.070	0.70	
Cannabichromenic Acid (CBCA)	0.005	0.017	ND	ND	
Cannabidiol (CBD)	0.015	0.046	5.510	55.10	
Cannabidiolic Acid (CBDA)	0.016	0.048	ND	ND	
Cannabidivarin (CBDV)	0.004	0.011	0.040	0.40	
Cannabidivarinic Acid (CBDVA)	0.007	0.020	ND	ND	
Cannabigerol (CBG)	0.003	0.010	0.130	1.30	
Cannabigerolic Acid (CBGA)	0.014	0.043	ND	ND	
Cannabinol (CBN)	0.004	0.013	0.020	0.20	
Cannabinolic Acid (CBNA)	0.009	0.029	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.016	0.051	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.015	0.047	0.200	2.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.013	0.041	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.009	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.011	0.037	ND	ND	
<b>Total Cannabinoids</b>			<b>5.970</b>	<b>59.70</b>	
Total Potential THC			0.200	2.00	
Total Potential CBD			5.510	55.10	

### Final Approval

  
Sam Smith  
02Sept2023  
11:09:00 AM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
02Sept2023  
11:14:00 AM MDT  
APPROVED BY / DATE



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## Quantic herbs Relief Tincture Full Spectrum

Batch ID or Lot Number: <b>23009054-1</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 7
Reported: <b>01Sept2023</b>	Started: 18Aug2023	Received: 12Aug2023	


### Residual Solvents

Test ID: T000245078

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	95 - 1908	ND	
Butanes (Isobutane, n-Butane)	187 - 3749	ND	
Methanol	61 - 1213	ND	
Pentane	99 - 1984	ND	
Ethanol	95 - 1901	ND	
Acetone	96 - 1912	ND	
Isopropyl Alcohol	95 - 1904	ND	
Hexane	6 - 115	ND	
Ethyl Acetate	95 - 1901	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	100 - 2007	ND	
Toluene	17 - 334	ND	
Xylenes (m,p,o-Xylenes)	119 - 2374	ND	

### Final Approval

  
Sam Smith  
02Sept2023  
02:50:00 PM MDT

PREPARED BY / DATE

  
Karen Winternheimer  
02Sept2023  
02:52:00 PM MDT

APPROVED BY / DATE



Prepared for:

**Quantic herbs USA, LLC**

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CASPER, WY 82609

## Quantic herbs Relief Tincture Full Spectrum

Batch ID or Lot Number: <b>23009054-1</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 7
Reported: <b>01Sept2023</b>	Started: 18Aug2023	Received: 12Aug2023	

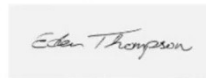
### Microbial Contaminants

Test ID: T000245076

Methods: TM25 (PCR) TM24, TM26, TM27 (Culture Plating)

	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



 Eden Thompson-Wright  
 02Sept2023  
 02:26:00 PM MDT



 Brett Hudson  
 02Sept2023  
 04:15:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE

Prepared for:  
**Quantic herbs USA, LLC**  
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**Quantic herbs Relief Tincture Full Spectrum**

Batch ID or Lot Number: <b>23009054-1</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 7
Reported: <b>01Sept2023</b>	Started: 18Aug2023	Received: 12Aug2023	


**Pesticides**

Test ID: T000245075

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)	Dynamic Range (ppb)	Result (ppb)	
Abamectin	259 - 2844	ND	Malathion	290- 2732	ND
Acephate	42 - 2785	ND	Metalaxyl	44 - 2731	ND
Acetamiprid	42 - 2735	ND	Methiocarb	43 - 2750	ND
Azoxystrobin	46 - 2696	ND	Methomyl	42 - 2794	ND
Bifenazate	41 - 2719	ND	MGK 264 1	180- 1681	ND
Boscalid	52 - 2649	ND	MGK 264 2	114- 1072	ND
Carbaryl	41 - 2726	ND	Myclobutanil	41 - 2740	ND
Carbofuran	43 - 2710	ND	Naled	49 - 2751	ND
Chlorantraniliprole	41 - 2771	ND	Oxamyl	43 - 2776	ND
Chlorpyrifos	51 - 2721	ND	Paclobutrazol	45 - 2738	ND
Clofentezine	291 - 2751	ND	Permethrin	262- 2719	ND
Diazinon	284 - 2724	ND	Phosmet	39 - 2688	ND
Dichlorvos	285 - 2789	ND	Prophos	281- 2732	ND
Dimethoate	44 - 2745	ND	Propoxur	41 - 2716	ND
E-Fenpyroximate	282 - 2714	ND	Pyridaben	289- 2686	ND
Etofenprox	42 - 2693	ND	Spinosad A	34 - 2079	ND
Etoazole	290 - 2686	ND	Spinosad D	63- 656	ND
Fenoxycarb	13 - 2766	ND	Spiromesifen	265- 2700	ND
Fipronil	28 - 2735	ND	Spirotetramat	274- 2738	ND
Fonicamid	50 - 2822	ND	Spiroxamine 1	19 - 1212	ND
Fludioxonil	296 - 2655	ND	Spiroxamine 2	22 - 1523	ND
Hexythiazox	39 - 2714	ND	Tebuconazole	293- 2735	ND
Imazalil	301 - 2741	ND	Thiacloprid	42 - 2724	ND
Imidacloprid	42 - 2778	ND	Thiamethoxam	40 - 2772	ND
Kresoxim-methyl	52 - 2733	ND	Trifloxystrobin	43 - 2707	ND

**Final Approval**

  
 Sam Smith  
 05Sept2023  
 11:12:00 AM MDT  
 PREPARED BY / DATE

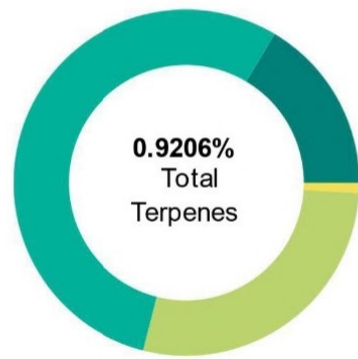
  
 Karen Winternheimer  
 05Sept2023  
 11:20:00 AM MDT  
 APPROVED BY / DATE

Prepared for:  
**Quantic herbs USA, LLC**  
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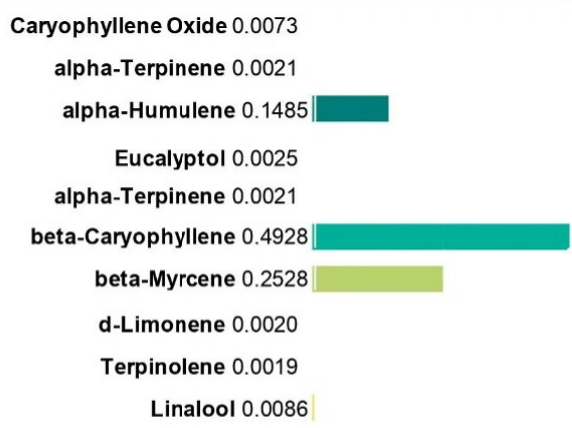
## Quantic Herbs Relief Tincture Full Spectrum

Batch ID or Lot Number: <b>23009054-3</b>	Test: <b>Terpenes</b>	Reported: <b>01Oct2023</b>	USDA License: NA
Matrix: Concentrate	Test ID: T000228675	Started: 22Sept2023	Sampler ID: NA
	Method(s): TM22 (GC-MS)	Received: 15Sept2023	Status: NA

Terpenes	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0000	0.0000
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0073	0.073
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.1485	1.485
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0021	0.021
beta-Caryophyllene	0.4928	4.928
beta-Myrcene	0.2528	2.528
beta-Ocimene	0.0000	0.0000
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.0020	0.020
delta-3-Carene	0.0000	0.0000
Eucalyptol	0.0025	0.025
gamma-Terpinene	0.0000	0.0000
Geraniol	0.0000	0.0000
Linalool	0.0086	0.086
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0019	0.019
trans-Nerolidol	0.0000	0.0000
	<b>0.9206</b>	<b>9.206</b>



### PREDOMINANT TERPENES

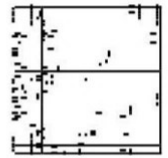


### Notes

### Final Approval

  
Sam Smith

  
Karen Winterheimer



<https://results.botanacor.com/api/v1/cas/uuid/2c851839-1de9-4ef0-b4c7-99817245c261>

Prepared for:

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## Quantic herbs Relief Tincture Full Spectrum

Batch ID or Lot Number: <b>23009054-1</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 6 of 7
Reported: <b>01Oct2023</b>	Started: 22Sept2023	Received: 15Sept2023	



<https://results.botanacor.com/api/v1/coas/uuid/4c537a8e-143b-42d7-9686-be28c246e49a>

### 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 Accredited by A2LA. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA](#) for more details.



Cert #4329.02

4c537a8e143b42d79686be28c246e49a.1



Prepared for:  
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## Quantic herbs Relief Tincture Full Spectrum

Batch ID or Lot Number: <b>23009054-1</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 7 of 7
Reported: <b>01Oct2023</b>	Started: 22Sept2023	Received: 15Sept2023	



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