



UPDF

WWW.UPDF.COM

- **Equilibrium:** Contém uma mistura exclusiva de CBD, terpenos e óleos essenciais designados para auxiliar nos sintomas comumente associados a fadiga e baixa energia.

- **Personalização:** Ao mesmo tempo em que Equilibrium 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 CNR1, CNR2 e FAAH.

- **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.

quanticherbs.com



# QUANTIC HERBS

Endo-aligned

## EQUILIBRIUM

Auxílio para o equilíbrio dinâmico saudável e energia

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):** Limoneno e Pineno
- **Óleos essenciais:** Hortelã-pimenta, Eucalipto, Cedro e Alecrim
- **Óleo de base:** MCT

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

Prepared for:  
**Quantic herbs USA, LLC**  
5830 E 2ND ST, STE 7000  
CASPER, WY 82609

## Quantic herbs Equilibrium Tincture Full S.

Batch ID or Lot Number: <b>230905-2</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 7
Reported: <b>08Sep2023</b>	Started: 07Sep2023	Received: 07Sep2023	


### Residual Solvents

Test ID: T000255423  
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	102 - 2047	ND	
Butanes (Isobutane, n-Butane)	206 - 4120	ND	
Methanol	65 - 1299	ND	
Pentane	105 - 2091	ND	
Ethanol	104 - 2075	ND	
Acetone	107 - 2148	ND	
Isopropyl Alcohol	107 - 2131	ND	
Hexane	6 - 127	ND	
Ethyl Acetate	107 - 2134	ND	
Benzene	0.2 - 4.2	ND	
Heptanes	105 - 2100	ND	
Toluene	19 - 376	ND	
Xylenes (m,p,o-Xylenes)	134 - 2685	ND	

### Final Approval

  
Karen Winternheimer  
08Sep2023  
02:43:00 PM MDT  
PREPARED BY / DATE

  
Sam Smith  
08Sep2023  
02:48:00 PM MDT  
APPROVED BY / DATE



Prepared for:

**Quantic herbs USA, LLC**

5830 E 2ND ST, STE 7000

CASPER, WY 82609

## Quantic herbs Equilibrium Tincture Full S.

Batch ID or Lot Number: <b>230905-2</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 2 of 7
Reported: <b>08Sep2023</b>	Started: 07Sep2023	Received: 07Sep2023	

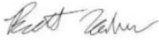
### Microbial Contaminants

Test ID: T000255421

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

  
Brett Hudson  
11Sep2023  
04:33:00 PM MDT

  
Eden Thompson-Wright  
11Sep2023  
04:42:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE

Prepared for:  
**Quantic herbs USA, LLC**  
5830 E 2ND ST, STE 7000  
CASPER, WY 82609

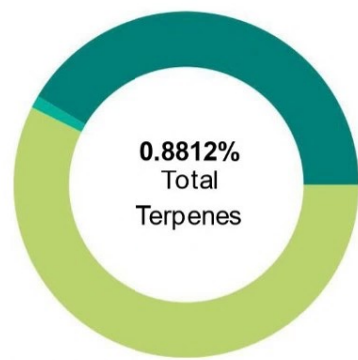
## Quantic herbs Equilibrium Tincture Full S.

Batch ID or Lot Number: <b>230905-2</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 3 of 7
Reported: <b>08Sep2023</b>	Started: 07Sep2023	Received: 07Sep2023	

### Terpenes

Test ID: T000255419  
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	0.3603	3.603
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0000	0.0000
beta-Myrcene	0.0100	0.100
beta-Ocimene	0.0017	0.017
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.4983	4.983
delta-3-Carene	0.0000	0.0000
Eucalyptol	0.0097	0.097
gamma-Terpinene	0.0012	0.012
Geraniol	0.0000	0.0000
Linalool	0.0000	0.0000
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0000	0.0000
<b>Total</b>	<b>0.8812</b>	<b>8.8120</b>



#### PREDOMINANT TERPENES

(-)-alpha-Bisabolol	0.0000
(-)-beta-Pinene	0.0000
alpha-Humulene	0.0000
alpha-Pinene	0.3603
alpha-Terpinene	0.0000
beta-Caryophyllene	0.0000
beta-Myrcene	0.0100
d-Limonene	0.4983
delta-3-Carene	0.0000
Linalool	0.0000

#### Notes

### Final Approval

*K Winternheimer*  
Karen Winternheimer  
12Sep2023  
10:22:00 AM MDT  
PREPARED BY / DATE

*Samantha Smith*  
Sam Smith  
12Sep2023  
10:26:00 AM MDT  
APPROVED BY / DATE





Prepared for:

**Quantic herbs USA, LLC**

5830 E 2ND ST, STE 7000

CASPER, WY 82609


## Quantic herbs Equilibrium Tincture Full S.


Batch ID or Lot Number: <b>230905-2</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 4 of 7
Reported: <b>08Sep2023</b>	Started: 07Sep2023	Received: 07Sep2023	

### Cannabinoids

Test ID: T000255418	LOD (mg/mL)		LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Methods: TM14 (HPLC-DAD)						
Cannabichromene (CBC)	0.057	0.189		1.390	1.40	Density = 1g/mL
Cannabichromenic Acid (CBCA)	0.052	0.172		ND	ND	
Cannabidiol (CBD)	0.181	0.493		47.530	47.50	
Cannabidiolic Acid (CBDA)	0.185	0.506		ND	ND	
Cannabidivarin (CBDV)	0.043	0.117		0.640	0.60	
Cannabidivarinic Acid (CBDVA)	0.077	0.211		ND	ND	
Cannabigerol (CBG)	0.033	0.107		ND	ND	
Cannabigerolic Acid (CBGA)	0.136	0.448		ND	ND	
Cannabinol (CBN)	0.043	0.140		0.410	0.40	
Cannabinolic Acid (CBNA)	0.093	0.305		ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.162	0.533		<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.147	0.484		1.080	1.10	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.131	0.429		ND	ND	
Tetrahydrocannabivarin (THCV)	0.030	0.097		ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.115	0.378		ND	ND	
<b>Total Cannabinoids</b>				<b>51.050</b>	<b>51.00</b>	
Total Potential THC				1.080	1.10	
Total Potential CBD				47.530	47.50	

### Final Approval

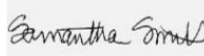
  
Sam Smith  
12Sep2023  
03:06:00 PM MDT

  
Karen Winternheimer  
12Sep2023  
03:09:00 PM MDT

### Heavy Metals

Test ID: T000255422	Dynamic Range (ppm)		Result (ppm)	Notes
Methods: TM19 (ICP-MS): Heavy				
Metals				
Arsenic	0.05 - 4.79		ND	
Cadmium	0.04 - 4.40		ND	
Mercury	0.04 - 4.23		ND	
Lead	0.04 - 4.27		ND	

### Final Approval

  
Sam Smith  
13Sep2023  
07:41:00 AM MDT

  
Karen Winternheimer  
13Sep2023  
07:44:00 AM MDT



Prepared for:

**Quantic herbs USA, LLC**

5830 E 2ND ST, STE 7000

CASPER, WY 82609

## Quantic herbs Equilibrium Tincture Full S.

Batch ID or Lot Number: <b>230905-2</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 5 of 7
Reported: <b>08Sep2023</b>	Started: 07Sep2023	Received: 07Sep2023	

### Pesticides

Test ID: T000255420

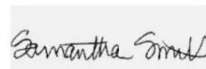
Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)	Dynamic Range (ppb)	Result (ppb)
Abamectin	352 - 2613	ND	Malathion	273- 2712
Acephate	45 - 2712	ND	Metalaxyl	47 - 2676
Acetamiprid	42 - 2736	ND	Methiocarb	47 - 2784
Azoxystrobin	48 - 2669	ND	Methomyl	42 - 2775
Bifenazate	47 - 2705	ND	MGK 264 1	132- 1693
Boscalid	50 - 2752	ND	MGK 264 2	110- 1068
Carbaryl	45 - 2704	ND	Myclobutanil	93 - 2714
Carbofuran	45 - 2713	ND	Naled	46 - 2744
Chlorantraniliprole	43 - 2842	ND	Oxamyl	43 - 2782
Chlorpyrifos	47 - 2725	ND	Paclobutrazol	45 - 2756
Clofentezine	268 - 2759	ND	Permethrin	278- 2737
Diazinon	280 - 2723	ND	Phosmet	42 - 2686
Dichlorvos	255 - 2755	ND	Prophos	295- 2783
Dimethoate	42 - 2743	ND	Propoxur	45 - 2701
E-Fenpyroximate	280 - 2753	ND	Pyridaben	300- 2719
Etofenprox	45 - 2650	ND	Spinosad A	34 - 2073
Etoxazole	307 - 2718	ND	Spinosad D	72- 670
Fenoxycarb	25 - 2756	ND	Spiromesifen	264- 2755
Fipronil	36 - 2773	ND	Spirotetramat	261- 2774
Fonicamid	50 - 2757	ND	Spiroxamine 1	20 - 1216
Fludioxonil	305 - 2727	ND	Spiroxamine 2	25 - 1555
Hexythiazox	43 - 2745	ND	Tebuconazole	312- 2653
Imazalil	282 - 2706	ND	Thiacloprid	44 - 2738
Imidacloprid	42 - 2790	ND	Thiamethoxam	43 - 2764
Kresoxim-methyl	47 - 2693	ND	Trifloxystrobin	46 - 2680

### Final Approval

 Karen Winternheimer  
14Sep2023  
08:36:00 AM MDT

PREPARED BY / DATE

 Sam Smith  
14Sep2023  
08:38:00 AM MDT

APPROVED BY / DATE

Prepared for:  
**Quantic herbs USA, LLC**  
5830 E 2ND ST, STE 7000  
CASPER, WY 82609

## Quantic herbs Equilibrium Tincture Full S.

Batch ID or Lot Number: <b>230905-2</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 6 of 7
Reported: <b>08Sep2023</b>	Started: 07Sep2023	Received: 07Sep2023	



<https://results.botanacor.com/api/v1/coas/uuid/d52617a1-b406-44f3-97ac-1282990bcafa>

**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 #4529 02  
d52617a1b40644f397ac1282990bcafa.1

Prepared for:

**Quantic herbs USA, LLC**

5830 E 2ND ST, STE 7000

CASPER, WY 82609

## Quantic herbs Equilibrium Tincture Full S.

Batch ID or Lot Number: <b>230905-2</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 7 of 7
Reported: <b>08Sep2023</b>	Started: 07Sep2023	Received: 07Sep2023	



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  
d52617a1b40644f397ac1282990bcafa.1