HEMP LABORATORY TEST

CERTIFICATE OF ANALYSIS

Hemp Analysis - Summary

Tested by high-performance liquid chromatography with ultraviolet detection (HPLC-UV).

TOTAL THC[1]

0.2489%[2]

CANNABINOID PROFILE

8.760% Total CBD[1]

9.4808% Total Cannabinoids[3]

Terpenes Not Tested

1) Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step: Total THC = Δ9THC + (THCa (0.877)) and Total CBD = CBD + (CBDa (0.877)).
2) As defined by the 2018 Farm Bill, hemp must contain no more than 0.3% Total THC, defined as the concentration of delta-9 tetrahydrocannabinol (Δ-9-THC) post-decarboxylation - see formula above.
3) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

Additional Testing

Pass/Fail defined at action limits set by California Code of Regulations Title 16. Effective date: July 15, 2020
Section 26013, Business Professions Code. Reference: Sections 26100, 26104, and 26110, Business Professions Code.

2500 mg full spectrum tincture

Tested for: Medical MARY — THE NEW SCIENCE OF CBD/HEMP

Address:

Batch #: 2003002

June 5, 2020

Sample ID: 200131L004

Final Approval

Josh Wurzer, President

HEMP LABORATORY TEST

CERTIFICATE OF ANALYSIS

Sample Name:	2500 mg full spectrum tincture
LIMS Sample ID:	200131L004
Batch #:	2003002
Source METRC UID:	
Sample Type:	Other
Batch Weight:	
Sample Weight:	10 Gram(s)
Unit Volume:	30 Milliliters per Unit
Serving Mass:	
Density:	0.9374 g/mL

June 5, 2020

Tested for:

License #:

Address:

Medical MARY
THE NEW SCIENCE OF CBD/HEMP

Produced by:

License #:

Address:

Moisture Test Results

	Results (%)
Moisture	NT

Cannabinoid Test Results

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

	mg/mL	%	LOD / LOQ mg/mL
Δ9THC	2.333	0.2489	0.0009 / 0.003
Δ8THC	ND	ND	0.0009 / 0.003
THCa	ND	ND	0.0009 / 0.003
THCV	ND	ND	0.0004 / 0.001
THCVa	ND	ND	0.0013 / 0.004
CBD	78.742	8.4000	0.0009 / 0.003
CBDa	3.847	0.4104	0.0009 / 0.003
CBDV	0.348	0.0371	0.0004 / 0.001
CBDVa	0.022	0.0023	0.0003 / 0.001
CBG	0.625	0.0667	0.001 / 0.003
CBGa	0.011	0.0012	0.0008 / 0.002
CBL	0.120	0.0128	0.0021 / 0.006
CBN	0.197	0.0210	0.0009 / 0.003
CBC	2.571	0.2743	0.0011 / 0.003
CBCa	0.057	0.0061	0.0015 / 0.005
Sum of Cannabinoids:	**88.873**	**9.4808**	**2666.190 mg/Unit**
Total THC (Δ9THC+0.877*THCa)	2.333	0.2489	69.990 mg/Unit
Total CBD (CBD+0.877*CBDa)	82.116	8.760	2463.480 mg/Unit
	Action Limit mg		
Δ9THC per Unit			69.990 mg/Unit
Δ9THC per Serving			

Batch Photo

Terpene Test Results

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

	mg/g	%	LOD / LOQ mg/g
α Bisabolol	NT		
α Pinene	NT		
3 Carene	NT		
Borneol	NT		
β Caryophyllene	NT		
Camphor	NT		
α Humulene	NT		
Terpinolene	NT		
Valencene	NT		
Menthol	NT		
Nerolidol	NT		
Camphene	NT		
Eucalyptol	NT		
α Cedrene	NT		
Geraniol	NT		
γ Terpinene	NT		
Sabinene	NT		
γ Terpinene	NT		
α Terpinene	NT		
Linalool	NT		
Carvacrol	NT		
Myrcene	NT		
Fenchol	NT		
α Phellandrene	NT		
Caryophyllene Oxide	NT		
Terpineol	NT		
β Pinene	NT		
R-(+)-Pulegone	NT		
Geranyl Acetate	NT		
Citronellol	NT		
p-Cymene	NT		
Ocimene	NT		
Guaiol	NT		
Phytol	NT		
Isoborneol	NT		
Total Terpene Concentration:	**NT**		

Sample Certification

California Code of Regulations Title 16 Effect Date July 15, 2020
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Josh Wurzer, President