



## Max & Steven's Premium Hemp Extracts

10421 Stevenson Road #254  
Stevenson, MD 21153  
hello@maxandstevens.com



## Max & Steven's Full Spectrum CBD Drops (500 mg)

<b>Order ID#:</b>	<b>200203003</b>	Sample date:	3-Feb-2020
Lab Code#:	200203003-001	Sample received:	5-Feb-2020
Product Type:	Tincture	Completed:	13-Feb-2020
Lot/Batch:	SM1004	Report expires:	12-Feb-2021
Unit Amount (mL):	10		

### SAFETY ANALYSIS

<b>Micro</b> PASS	<b>Mycotoxins</b> PASS	<b>Pesticides</b> PASS	<b>Metals</b> PASS	<b>Solvents</b> PASS
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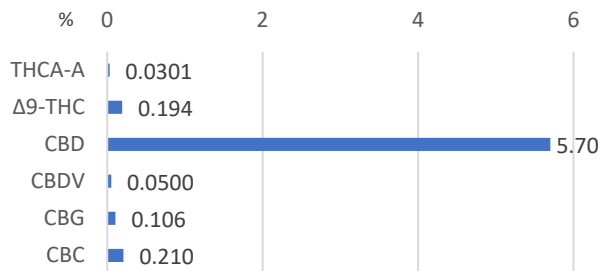
### CANNABINOID PROFILE

**CBD (mg)**  
- 10 mL - **570**  
(57 mg/mL)

**5.70%**  
Total CBD

**0.220%**  
Total THC

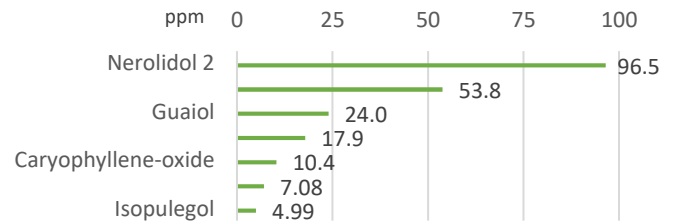
**THC**  
- 10 mL - **PASS**



### TOP TERPENES PROFILE (ppm)

<b>NEROLIDOL</b> Woody aroma 122°C	<b>GUAIOL</b> Unique pine-like aroma (Cypress pine) 82°C	<b>BETA-CARYOPHYLLENE</b> Woody/spicy aroma of cloves/pepper 130°C	<b>HUMULENE</b> Earthy, woody, spicy aroma 106°C
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Terpene	Result (ppm)	Result (%)
<i>Nerolidol 2</i>	96.5	0.00965
<i>Nerolidol 1</i>	53.8	0.00538
<i>Guaiol</i>	24.0	0.00240
<i>β-Caryophyllene</i>	17.9	0.00179
<i>Caryophyllene-oxide</i>	10.4	0.00104
<i>α-Humulene</i>	7.08	0.00071
<i>Isopulegol</i>	4.99	0.00050



### Comments:

None.

### Authorization



YoungChul Park, Ph.D., Laboratory Director  
Approval Date: 13-Feb-2020

Test results are based solely upon the test article submitted to Americanna Laboratories, LLC in the condition it was received. Americanna Laboratories, LLC warrants that all analytical work was conducted in a professional manner in accordance with the requirements of ISO/IEC 17025:2017 (#102139), such as comparison to Certified Reference Materials and NIST traceable Reference Standards. This report shall not be reproduced, except in its entirety, without the written approval of Americanna Laboratories, LLC. Test results are confidential unless explicitly waived. Void after 1 year from test end date.

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## CANNABINOIDS

Analyte	% <sup>a</sup>	mg/mL	mg/bottle
THCA-A	0.0301	0.301	3.01
Δ9-THC	0.194	1.94	19.4
CBDA	ND	ND	ND
CBD	5.70	57.0	570
CBN	ND	ND	ND
CBDV	0.0500	0.500	5.00
Δ8-THC	ND	ND	ND
THCV	ND	ND	ND
CBG	0.106	1.06	10.6
CBGA	ND	ND	ND
CBC	0.210	2.10	21.0

**Total THC<sup>b</sup>** 2.2 mg/mL  
0.220% 22 mg

**Total CBD<sup>c</sup>** 57 mg/mL  
5.70% 570 mg

**TOTAL<sup>d</sup>** 62.9 mg/mL  
6.29% 629 mg

**Test Method:** SOP 6.6 (HPLC)

**Analysis Batch:** WO-20020510

**Analysis Date:** 5-Feb-2020

<sup>a</sup> Detection Level = 0.03% by weight.

<sup>b</sup> Total THC is calculated as %THC + (%THCA × 0.877).

<sup>c</sup> Total CBD is calculated as %CBD + (%CBDA × 0.877).

<sup>d</sup> Total cannabinoids is the absolute sum of all cannabinoids above the level of detection.

## TERPENES

Analyte	Result (ppm)	Result (%)
alpha-Bisabolol	ND	ND
Camphene	ND	ND
delta-3-Carene	ND	ND
beta-Caryophyllene	17.9	0.00179
Caryophyllene-oxide	10.4	0.00104
p-Cymene	ND	ND
Eucalyptol	ND	ND
Geraniol	ND	ND
Guaiol	24.0	0.00240
alpha-Humulene	7.08	0.00071
Isopulegol	4.99	0.00050
d-Limonene	ND	ND

Analyte	Result (ppm)	Result (%)
Linalool	ND	ND
beta-Myrcene	ND	ND
Nerolidol 1	53.8	0.00538
Nerolidol 2	96.5	0.00965
Ocimene 1	ND	ND
Ocimene 2	ND	ND
alpha-Pinene	ND	ND
beta-Pinene	ND	ND
alpha-Terpinene	ND	ND
gamma-Terpinene	ND	ND
Terpinolene	ND	ND

**Total Terpenes:** 214.7 0.02147

LOD = 0.00001%

**Analysis Batch:** WO-20021101  
**Analysis Date:** Tuesday, February 11, 2020

**Test Method:** SOP 6.9  
**Instrument:** Agilent GC-FID/MS, Instrument 36

### Comments:

None.

### Authorization



YoungChul Park, Ph.D., Laboratory Director

Approval Date: 13-Feb-2020

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## PESTICIDES

Analyte	Action Level	Result (µg/g)
Abamectin	0.30	Pass
Acephate	3.00	Pass
Acequinocyl	2.00	Pass
Acetamiprid	3.00	Pass
Aldicarb	0.10	Pass
Azoxystrobin	3.00	Pass
Bifenazate	3.00	Pass
Carbaryl	0.50	Pass
Carbofuran	0.10	Pass
Chlorantraniliprole	3.00	Pass
Chlorfenapyr	0.05	Pass
Chlorpyrifos	0.10	Pass
Coumaphos	0.10	Pass
Daminozide	0.10	Pass
Diazinon	0.20	Pass
Dichlorvos	0.10	Pass
Dimethoate	0.10	Pass
Dimethomorph (I/II)	3.00	Pass
Ethoprophos	0.10	Pass
Etofenprox	0.10	Pass
Etoazole	1.50	Pass
Fenhexamid	3.00	Pass
Fenoxycarb	0.10	Pass
Fenpyroximate	2.00	Pass
Fipronil	0.10	Pass
Flonicamid	2.00	Pass
Fludioxonil	3.00	Pass

Analyte	Action Level	Result (µg/g)
Hexythiazox	2.00	Pass
Imazalil	0.10	Pass
Imidacloprid	1.00	Pass
Kresoxim methyl	1.00	Pass
Malathion	3.00	Pass
Metalaxyl	0.10	Pass
Methiocarb	0.10	Pass
Methomyl	0.10	Pass
Mevinphos (I/II)	0.10	Pass
Myclobutanil	3.00	Pass
Naled	0.50	Pass
Oxamyl	1.50	Pass
Phosmet	0.20	Pass
Piperonyl butoxide	3.00	Pass
Prallethrin	0.40	Pass
Propiconazole	1.00	Pass
Propoxur	2.10	Pass
Pyrethrins	1.00	Pass
Pyridaben	3.00	Pass
Spinetoram (J/L)	3.00	Pass
Spinosad A + D	3.00	Pass
Spiromesifen	3.00	Pass
Spirotetramat	3.00	Pass
Spiroxamine (I/II)	0.10	Pass
Tebuconazole	1.00	Pass
Thiacloprid	0.10	Pass
Thiamethoxam	1.00	Pass
Trifloxystrobin	3.00	Pass

**Analysis Batch:** WO-20020511  
**Analysis Date:** Thursday, February 06, 2020

**Test Method:** SOP 6.7  
**Instrument:** Agilent LC-MS/MS, Instrument 32

## MYCOTOXINS

Analyte	Action Limit	Result	LOD	Unit
Aflatoxin, Total	0.020	Pass	0.005	µg/g
Ochratoxin A	0.020	Pass	0.005	µg/g

\* Total Aflatoxin includes B1, B2, G1 and G2.

**Analysis Batch:** WO-20020511  
**Analysis Date:** Thursday, February 06, 2020

**Test Method:** SOP 6.7  
**Instrument:** Agilent LC-MS/MS, Instrument 33

## Comments:

None.

## Authorization



YoungChul Park, Ph.D., Laboratory Director

Approval Date: 13-Feb-2020

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## RESIDUAL SOLVENTS

Analyte	Action Level	Result (µg/g)
1,2-Dichloroethane	5	Pass
Acetone	5000	Pass
Acetonitrile	410	Pass
Benzene	2	Pass
Butane	2000	Pass
Chloroform	60	Pass
Ethanol	5000	Pass
Ethyl Acetate	5000	Pass
Ethyl Ether	5000	Pass
Ethylene Oxide	5	Pass

Analyte	Action Level	Result (µg/g)
Heptane	5000	Pass
Hexane	290	Pass
Isopropyl Alcohol	500	Pass
Methanol	3000	Pass
Methylene Chloride	600	Pass
Pentane	5000	Pass
Propane	2100	Pass
Toluene	890	Pass
Trichloroethylene	80	Pass
Xylenes, Total	2170	Pass

**Analysis Batch:** WO-20020512  
**Analysis Date:** Thursday, February 06, 2020

**Test Method:** SOP 6.8  
**Instrument:** Agilent GC-FID/MS, Instrument 36

## MICROBIAL CONTAMINANTS

Test	Result	Specification	Method
Shiga toxin-producing E.coli (STEC)	Pass	Absent in 1 gram	SOP 6.11 (qPCR)
Escherichia coli (E. coli)	Pass	Absent in 1 gram	SOP 6.11 (qPCR)
Salmonella	Pass	Absent in 1 gram	SOP 6.11 (qPCR)
Listeria	Pass	Absent in 1 gram	SOP 6.11 (qPCR)

**Analysis Batch:** WO-20020509  
**Analysis Date:** Monday, February 10, 2020

**Instrument:** Agilent AriaMX, Instrument 38

## HEAVY METALS

Element	Result	Action Limit	LOD	Unit	Method
Lead	Pass	0.50	0.050	µg/g	SOP 6.10 (ICP/MS)
Arsenic	Pass	1.5	0.050	µg/g	SOP 6.10 (ICP/MS)
Mercury	Pass	3.0	0.005	µg/g	SOP 6.10 (ICP/MS)
Cadmium	Pass	0.50	0.050	µg/g	SOP 6.10 (ICP/MS)

**Analysis Batch:** WO-20020513  
**Analysis Date:** Friday, February 07, 2020

**Instrument:** Agilent ICP/MS, Instrument 37

### Comments:

None.

### Authorization



YoungChul Park, Ph.D., Laboratory Director

Approval Date: 13-Feb-2020

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