



Max & Steven's Premium Hemp Extracts

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

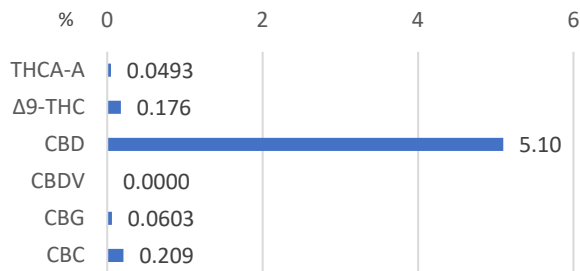
Order ID#:	200521006	Sample date:	19-May-2020
Lab Code#:	200521006-001	Sample received:	21-May-2020
Product Type:	Tincture	Completed:	9-Jun-2020
Lot/Batch:	SM1005	Report expires:	9-Jun-2021
Unit Amount (mL):	10		

SAFETY ANALYSIS

Microbials PASS	Mycotoxins PASS	Pesticides PASS	Metals PASS	Solvents PASS
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CANNABINOID PROFILE

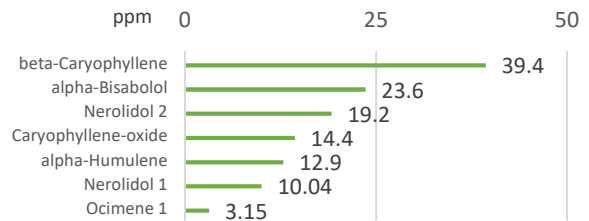
CBD (mg) - 10 mL -	510 (51 mg/mL)
5.10% Total CBD	0.220% Total THC
THC - 10 mL -	PASS



TOP TERPENES PROFILE (ppm)

NEROLIDOL Woody aroma 122°C	BISABOLOL Sweet floral aroma 153°C	BETA-CARYOPHYLLENE Woody/spicy smell of cloves/pepper 130°C	HUMULENE Earthy, woody, spicy smell 106°C
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Terpene	Result (ppm)	Result (%)
beta-Caryophyllene	39.4	0.00394
alpha-Bisabolol	23.6	0.00236
Nerolidol 2	19.2	0.00192
Caryophyllene-oxide	14.4	0.00144
alpha-Humulene	12.9	0.00129
Nerolidol 1	10.04	0.00100
Ocimene 1	3.15	0.00032



Comments:

Revised to correct typographical error.

Authorization



YoungChul Park, Ph.D.
Approval Date: 9-Jun-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	% ^a	mg/mL	mg/bottle
THCA-A	0.0493	0.493	4.93
Δ9-THC	0.176	1.76	17.6
CBDA	ND	ND	ND
CBD	5.10	51.0	510
CBN	0.0196	0.196	1.96
CBDV	ND	ND	ND
Δ8-THC	ND	ND	ND
THCV	ND	ND	ND
CBG	0.0603	0.603	6.03
CBGA	ND	ND	ND
CBC	0.209	2.09	20.9

Total THC^b 2.19 mg/mL
0.220% 22 mg

Total CBD^c 51 mg/mL
5.10% 510 mg

TOTAL^d 56.1 mg/mL
5.61% 561 mg

Test Method: SOP 6.6 (HPLC)

Analysis Batch: WO-20052105

Analysis Date: 22-May-2020

^a Detection Level = 0.03% by weight.

^b Total THC is calculated as %THC + (%THCA × 0.877).

^c Total CBD is calculated as %CBD + (%CBDA × 0.877).

^d Total cannabinoids is the absolute sum of all cannabinoids above the level of detection.

TERPENES

Analyte	Result (ppm)	Result (%)
alpha-Bisabolol	23.6	0.00236
Camphene	ND	ND
delta-3-Carene	0.720	0.00007
beta-Caryophyllene	39.4	0.00394
Caryophyllene-oxide	14.4	0.00144
p-Cymene	1.55	0.00016
Eucalyptol	0.470	0.00005
Geraniol	ND	ND
Guaiol	0.014	0.00000
alpha-Humulene	12.9	0.00129
Isopulegol	ND	ND
d-Limonene	3.12	0.00031

Analyte	Result (ppm)	Result (%)
Linalool	1.25	0.00013
beta-Myrcene	ND	ND
Nerolidol 1	10.0	0.00100
Nerolidol 2	19.2	0.00192
Ocimene 1	3.15	0.00032
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: 129.8 0.01298

LOD = 0.00001%

Analysis Batch: WO-20060310

Analysis Date: Wednesday, June 03, 2020

Test Method: SOP 6.9

Instrument: Agilent GC-FID/MS, Instrument 36

Comments:

None.

Authorization



YoungChul Park, Ph.D.
Approval Date: 9-Jun-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-20052113
Analysis Date: Friday, May 29, 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-20052113
Analysis Date: Friday, May 29, 2020

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

Comments:

None.

Authorization



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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-20052111
Analysis Date: Saturday, May 23, 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-20052106
Analysis Date: Friday, May 22, 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-20052112
Analysis Date: Tuesday, May 26, 2020

Instrument: Agilent ICP/MS, Instrument 37

Comments:

None.

Authorization



YoungChul Park, Ph.D.
 Approval Date: 9-Jun-2020

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