

Upland Hemp 1000mg CBD Tincture (77364)



Virag Distribution, LLC

700 S. Rosemary Ave, #204
West Palm Beach, FL 33401
virag.bio

Order ID#: 20200713-29

Lab Code#: LC-20200713-59

Product Type: Tincture

Lot/Batch: 77364

Unit size (mL): 30

Sample date: 10-Jul-2020

Sample received: 13-Jul-2020

Completed: 17-Jul-2020

Report expires: 17-Jul-2021

SAFETY ANALYSIS

PASS Microbials	PASS Mycotoxins	PASS Metals	PASS Pesticides	PASS Solvents
---------------------------	---------------------------	-----------------------	---------------------------	-------------------------

CANNABINOIDS

Analysis Batch: WO-20071309
Analysis Date: Tuesday, July 14, 2020

Test Method: SOP 6.9
Instrument: Agilent HPLC, Instrument 33

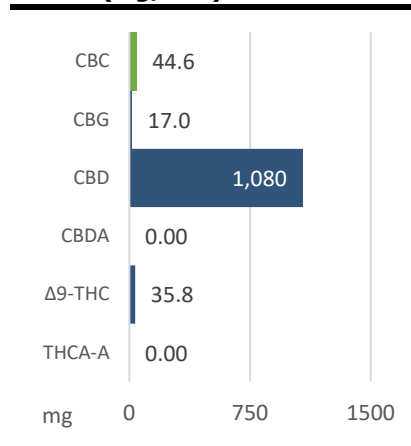
Analyte	% ^a	mg/g	mg/unit
THCA-A	ND	ND	ND
Δ9-THC	0.119	1.19	35.8
CBDA	ND	ND	ND
CBD	3.60	36.0	1080
CBN	ND	ND	ND
CBDV	ND	ND	ND
Δ8-THC	ND	ND	ND
THCV	ND	ND	ND
CBG	0.0567	0.567	17.0
CBGA	ND	ND	ND
CBC	0.149	1.49	44.6
Total:	3.92	39.2	1177

Total THC^b
0.119%
PASS

Total CBD^c
1080 mg

TOTAL^d
1177 mg

Profile (mg/unit)



^a Detection Level = 0.03% by dry-weight.

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

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

^d Absolute sum of all cannabinoids above the level of detection.

Comments:

None.

Authorization



YoungChul Park, Ph.D., Laboratory Director

Approval Date: 17-Jul-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, 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.

ND=Not Detected, NT=Not Tested, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LOD) and Limit of Quantitation (LOQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure.

- continued -

Upland Hemp 1000mg CBD Tincture (77364)



Virag Distribution, LLC

700 S. Rosemary Ave, #204
West Palm Beach, FL 33401
virag.bio

Order ID#: 20200713-29
Lab Code#: LC-20200713-59
Product Type: Tincture
Lot/Batch: 77364
Unit size (mL): 30

Sample date: 10-Jul-2020
Sample received: 13-Jul-2020
Completed: 17-Jul-2020
Report expires: 17-Jul-2021

MICROBIAL CONTAMINANTS

Analysis Batch: WO-20071307 **Test Method:** SOP 6.11
Analysis Date: Tuesday, July 14, 2020 **Instrument:** Agilent AriaMX, Instrument 38

TEST	RESULT	SPECIFICATION
Shiga toxin-producing E.coli (STEC)	Pass	Not present
Escherichia coli (E. coli)	Pass	Not present
Salmonella	Pass	Not present
Listeria	Pass	Not present

MYCOTOXINS

Analysis Batch: WO-20071308 **Test Method:** SOP 6.7
Analysis Date: Tuesday, July 14, 2020 **Instrument:** Agilent LC-MS/MS, Instrument 32

ANALYTE	RESULT	ACTION LIMIT	LOD	UNIT
Aflatoxin, Total	ND	0.020	0.005	µg/g
Ochratoxin A	ND	0.020	0.005	µg/g

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

HEAVY METALS

Analysis Batch: WO-20071306 **Test Method:** SOP 6.10
Analysis Date: Wednesday, July 15, 2020 **Instrument:** Agilent ICP/MS, Instrument 37

ELEMENT	RESULT	ACTION LIMIT	LOD	UNIT
Lead	ND	0.50	0.050	µg/g
Arsenic	ND	1.5	0.050	µg/g
Mercury	ND	3.0	0.005	µg/g
Cadmium	ND	0.50	0.050	µg/g

Comments:

None.

Authorization



YoungChul Park, Ph.D., Laboratory Director

Approval Date: 17-Jul-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, 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.

NA=Not Available or Applicable, ND=Not Detected, NT=Not Tested, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LOD) and Limit of Quantitation (LOQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure.

- continued -

Upland Hemp 1000mg CBD Tincture (77364)



Virag Distribution, LLC

700 S. Rosemary Ave, #204
West Palm Beach, FL 33401
virag.bio

Order ID#: 20200713-29
Lab Code#: LC-20200713-59
Product Type: Tincture
Lot/Batch: 77364
Unit size (mL): 30

Sample date: 10-Jul-2020
Sample received: 13-Jul-2020
Completed: 17-Jul-2020
Report expires: 17-Jul-2021

PESTICIDES

Analysis Batch: WO-20071308
Analysis Date: Tuesday, July 14, 2020

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

Analyte	Action Level	Result (µg/g)
Abamectin	0.30	ND
Acephate	3.00	ND
Acequinocyl	2.00	ND
Acetamiprid	3.00	ND
Aldicarb	0.10	ND
Azoxystrobin	3.00	ND
Bifenazate	3.00	ND
Carbaryl	0.50	ND
Carbofuran	0.10	ND
Chlorantraniliprole	3.00	ND
Chlorfenapyr	0.05	ND
Chlorpyrifos	0.10	ND
Coumaphos	0.10	ND
Cypermethrin	1.00	NT
Daminozide	0.10	ND
Diazinon	0.20	ND
Dichlorvos	0.10	ND
Dimethoate	0.10	ND
Dimethomorph (I/II)	3.00	ND
Ethoprophos	0.10	ND
Etofenprox	0.10	ND
Etoazole	1.50	ND
Fenhexamid	3.00	ND
Fenoxycarb	0.10	ND
Fenpyroximate	2.00	ND
Fipronil	0.10	ND
Flonicamid	2.00	ND
Fludioxonil	3.00	ND

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

Comments:

None.

Authorization



YoungChul Park, Ph.D., Laboratory Director
Approval Date: 17-Jul-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, 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.

NA=Not Available or Applicable, ND=Not Detected, NT=Not Tested, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LOD) and Limit of Quantitation (LOQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure.

- continued -

Upland Hemp 1000mg CBD Tincture (77364)



Virag Distribution, LLC

700 S. Rosemary Ave, #204
West Palm Beach, FL 33401
virag.bio

Order ID#: 20200713-29

Lab Code#: LC-20200713-59

Product Type: Tincture

Lot/Batch: 77364

Unit size (mL): 30

Sample date: 10-Jul-2020

Sample received: 13-Jul-2020

Completed: 17-Jul-2020

Report expires: 17-Jul-2021

RESIDUAL SOLVENTS

Analysis Batch: WO-20071310
Analysis Date: Tuesday, July 14, 2020

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

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

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

Comments:

None.

Authorization



YoungChul Park, Ph.D., Laboratory Director

Approval Date: 17-Jul-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, 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.

NA=Not Available or Applicable, ND=Not Detected, NT=Not Tested, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LOD) and Limit of Quantitation (LOQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure.

- end of report -