FOOD &
ENVIRONMENT
SAFETY
ANALYTICAL LAB

Certificate of Analysis

Date Issued: 7/24/2020
Batch Result: **PASS**

CUBBINGTON-5700720-2

Business Name:

CUBBINGTON'S CABINET

Sample Name: Cubbington's Cabinet, Classic Tincture, 900 mg
Matrix: Ingestible
Type: Tincture
Sample Size: 1 fl oz.
Unit Mass: 30 grams per unit

Sample ID: CC202007b
Testing ID: CUBBINGTON-5700720-2
Date Received: 7/20/2020

Summary

Total THC	**ND**
Total CBD	**3.02%**
Total Cannabinoids	**3.10%**
Heavy Metals	**PASS**
Pesticides	**PASS**
Residual Solvents	**PASS**

Reviewed By: Arjay Evangelista, Analyst
Date: 7/24/2020

Approved By: Marie True, M.S., Laboratory Manager
Date: 7/24/2020

Cannabinoid Analysis

Analyte	LOQ (%)	Mass (%)	Mass (mg/g)	Mass (mg/unit)
CBDV	**0.00025**	**0.025**	**0.25**	**7.51**
CBD	**0.00025**	**3.023**	**30.23**	**906.90**
CBG	**0.00025**	**0.048**	**0.48**	**14.48**
CBDA	0.00025	ND	ND	ND
CBN	0.00025	ND	ND	ND
Delta 9-THC	0.00025	ND	ND	ND
Delta 8-THC	0.00025	ND	ND	ND
CBC	0.00025	ND	ND	ND
THCA	0.00025	ND	ND	ND
Total THC		ND	ND	ND
Total CBD		**3.023**	**30.23**	**906.90**
Total Cannabinoids		**3.096**	**30.96**	**928.89**

Date Tested: 7/20/2020
Total THC = THCa * 0.877 + d9-THC + d8-THC
Total CBD = CBDa * 0.877 + CBD

Terpenoid Analysis

Analyte	LOQ (%)	Mass (%)	Analyte	LOQ (%)	Mass (%)
Camphene	0.05	ND	δ-Limonene	0.05	ND
3-Carene	0.05	ND	Linalool	0.05	<LOQ
β-Caryophyllene	**0.05**	**0.08**	β-Myrcene	0.05	ND
p-Cymene	0.05	ND	Nerolidol	0.05	ND
Eucalyptol	0.05	ND	α-Pinene	0.05	ND
Fenchol	0.05	ND	Terpinolene	0.05	ND
α-Humulene	0.05	ND			

Date Tested: 7/21/2020

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Pesticides	**PASS**
Residual Solvents	**PASS**

Reviewed By: Arjay Evangelista, Analyst
Date: 7/24/2020

Approved By: Marie True, M.S., Laboratory Manager
Date: 7/24/2020

Pesticide Analysis

Pass

Analyte	LOQ (µg/g)	Limit (µg/g)	Mass (µg/g)	Status
Abamectin	0.05	0.10	ND	Pass
Bifenazate	0.05	0.10	ND	Pass
Bifenthrin	0.05	3.00	ND	Pass
Boscalid	0.05	0.10	ND	Pass
Ethoprophos	0.05	0	ND	Pass
Etoxazole	0.05	0.1	ND	Pass
Imidacloprid	0.05	5	ND	Pass
Myclobutanil	0.05	0.1	ND	Pass
Piperonyl Butoxide	0.05	3	ND	Pass
Pyrethrins	0.05	0.5	ND	Pass
Spinosad	0.05	0.1	ND	Pass
Spiromesifen	0.05	0.1	ND	Pass
Spirotetramat	0.05	0.1	ND	Pass

Date Tested: 7/20/2020

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Batch Result: **PASS**

CUBBINGTON-5700720-2

Business Name:

CUBBINGTON'S CABINET

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Summary

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Total CBD	**3.02%**
Total Cannabinoids	**3.10%**
Heavy Metals	**PASS**
Pesticides	**PASS**
Residual Solvents	**PASS**

Reviewed By: Arjay Evangelista, Analyst
Date: 7/24/2020

Approved By: Marie True, M.S., Laboratory Manager
Date: 7/24/2020

Residual Solvents Analysis

Pass

Analyte	LOQ (µg/g)	Limit (µg/g)	Mass (µg/g)	Status
Acetone	100	5000	ND	Pass
Acetonitrile	100	410	ND	Pass
Benzene	1	1	ND	Pass
Butane	100	5000	ND	Pass
Chloroform	1	1	ND	Pass
1,2-Dichloroethane	1	1	ND	Pass
Ethanol	100	5000	ND	Pass
Ethyl Acetate	100	5000	ND	Pass
Ethyl Ether	100	5000	ND	Pass
Ethylene Oxide	1	1	ND	Pass
Heptane	100	5000	ND	Pass
n-Hexane	100	290	ND	Pass
Isopropanol	100	5000	ND	Pass
Methanol	100	3000	ND	Pass
Methylene Chloride	1	1	ND	Pass
Pentane	100	5000	ND	Pass
Propane	100	5000	ND	Pass
Toluene	100	890	ND	Pass
Trichloroethylene	1	1	ND	Pass
Xylenes	100	2170	ND	Pass

Date Tested: 7/20/2020

Heavy Metals Analysis

Pass

Analyte	LOQ (µg/g)	Limit (µg/g)	Mass (µg/g)	Status
Arsenic	0.050	0.2	ND	Pass
Cadmium	0.050	0.2	ND	Pass
Lead	0.125	0.5	ND	Pass
Mercury	0.025	0.1	ND	Pass

Date Tested: 7/22/2020

FOOD &
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Certificate of Analysis

Date Issued: 7/24/2020
Batch Result: **PASS**

CUBBINGTON-5700720-2

Business Name:

CUBBINGTON'S CABINET

Sample Name: Cubbington's Cabinet, Classic Tincture, 900 mg
Matrix: Ingestible
Type: Tincture
Sample Size: 1 fl oz.
Unit Mass: 30 grams per unit

Sample ID: CC202007b
Testing ID: CUBBINGTON-5700720-2
Date Received: 7/20/2020

Summary

Total THC	**ND**
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Heavy Metals	**PASS**
Pesticides	**PASS**
Residual Solvents	**PASS**

Reviewed By: Arjay Evangelista, Analyst
Date: 7/24/2020

Approved By: Marie True, M.S., Laboratory Manager
Date: 7/24/2020

Method References: **Testing Location**

Cannabinoid Profile (UNODC) — **FESA Labs - Santa Ana, CA**

Official Methods of Analysis, Method 2018.11.AOAC INTERNATIONAL (modified), Lukas Vaclavik, Frantisek Benes, Alex Krmela, Veronika Svobodova, Jana Hajsolva, and Katerina Mastovska, "Quantification of Cannabinoids in Cannabis Dried Plant Materials, Concentrates, and Oils Liquid Chromatography-Diode Array Detection Technique with Optional Mass Spectrometric Detection," First Action Method, Journal of AOAC International, Future Issue

United Nations Office on Drugs and Crime - Recommended methods for identification and analysis of cannabis and cannabis products

Multi-Residue Pesticide Analysis - (AOAC_200701) — **FESA Labs - Santa Ana, CA**

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).
CEN Standard Method EN 15662: Food of plant origin - Detemination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/ partiftioning and clean-up by dispersive SPE - QuEChERS method.

Heavy Metals Analysis - 4 elements (EPA_200.8) — **FESA Labs - Santa Ana, CA**

Methods for the Determination of Metals in Environmental Standards - Supplement 1, EPA-600/R-94-111, May 1994.
"Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Mass Spectrometry", USEPA Method 200.8, Revision 5.1, EMMC Version (modified).

Residual Solvents Analysis - 20 compounds (USP_467) — **FESA Labs - Santa Ana, CA**

USP current revision, Chapter 62.
United States Pharmacopeia, 38nd Rev. - National Formulary 33th Ed., Method <467>, USP Convention, Inc., Rockville, MD (2015) (modified).

Testing Location:

FESA Labs
2002 S. Grand Ave., Suite B
Santa Ana, CA 92705
714-549-5050
fesalabs.com

ND = not detected or less than limit of quantitation (LOQ).