FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Sample ID: 27320209-1
Date Issued: 2/14/22
Batch Result: **Pass**

Certificate of Analysis

25mg CBDA + 25mg CBGA 300mg Fill

Client: Custom Capsule Consultants

Total CBD	**24.37 mg/unit**
Total THC	**ND**
Total Cannabinoids	**55.66 mg/unit**

Analysis Summary

Residual Pesticides	Pass
Residual Solvents & Processing Chemicals	Pass
Mycotoxins	Pass
Heavy Metals	Pass
Microbial Impurities	Pass
Water Activity	Pass

Sample Name:
25mg CBDA + 25mg CBGA 300mg Fill

Matrix:
Ingestible

Description:
Softgel

Unit Mass:
0.475 g per unit

Sample ID:
27320209-1

Testing ID:
CUSTCAPSC-27320209-1

Date Received:
2/9/2022

Reviewed By:
Arjay Evangelista
Analyst

Approved By:
Marie True, M.S.
Laboratory Manager

References: limit of quantitation (LOQ), not detected (ND), not tested (NT)

Certificate of Analysis

Cannabinoid Analysis

Complete

Analyte	LOQ (%)	Mass (%)	Mass (mg/g)	Mass (mg/unit)
CBDV	0.00025	ND	ND	ND
CBD	**0.00025**	**0.92**	**9.15**	**2.75**
CBG	**0.00025**	**0.56**	**5.57**	**1.67**
CBDA	**0.00025**	**8.22**	**82.21**	**24.66**
CBGA	**0.00025**	**8.80**	**88.02**	**26.41**
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**	**0.058**	**0.58**	**0.17**
THCA	0.00025	ND	ND	ND
Total CBD		**8.12**	**81.25**	**24.37**
Total THC		ND	ND	ND
Total Cannabinoids		**18.55**	**185.53**	**55.66**

Date Tested: 2/9/2022

Total THC = THCa * 0.877 + d9-THC + d8-THC

Pesticide Analysis

Pass

Analyte	LOQ (ppm)	Limit (ppm)	Mass (ppm)	Status
Abamectin	0.050	0.10	ND	Pass
Acephate	0.050	0.10	ND	Pass
Acequinocyl	0.050	0.10	ND	Pass
Acetamiprid	0.050	0.10	ND	Pass
Aldicarb	0.050	0.00	ND	Pass
Azoxystrobin	0.050	0.10	ND	Pass
Bifenazate	0.050	0.10	ND	Pass
Bifenthrin	0.050	3.00	ND	Pass
Boscalid	0.050	0.10	ND	Pass
Captan	0.050	0.70	ND	Pass
Carbaryl	0.050	0.50	ND	Pass
Carbofuran	0.050	0.00	ND	Pass
Chlorantraniliprole	0.050	10.00	ND	Pass
Chlordane	0.050	0.00	ND	Pass
Chlorfenapyr	0.050	0.00	ND	Pass
Chlorpyrifos	0.050	0.00	ND	Pass
Clofentezine	0.050	0.10	ND	Pass
Coumaphos	0.050	0.00	ND	Pass
Cyfluthrin	0.050	2.00	ND	Pass
Cypermethrin	0.050	1.00	ND	Pass
Daminozide	0.050	0.00	ND	Pass
DDVP	0.050	0.00	ND	Pass
Diazinon	0.050	0.10	ND	Pass
Dimethoate	0.050	0.00	ND	Pass
Dimethomorph	0.050	2.00	ND	Pass
Ethoprophos	0.050	0.00	ND	Pass
Etofenprox	0.050	0.00	ND	Pass
Etoxazole	0.050	0.10	ND	Pass
Fenhexamid	0.050	0.10	ND	Pass
Fenoxycarb	0.050	0.00	ND	Pass
Fenpyroximate	0.050	0.10	ND	Pass
Fipronil	0.050	0.00	ND	Pass
Flonicamid	0.050	0.10	ND	Pass
Fludioxonil	0.050	0.10	ND	Pass

Certificate of Analysis

Pesticide Analysis

Pass

Analyte	LOQ (ppm)	Limit (ppm)	Mass (ppm)	Status
Hexythiazox	0.050	0.10	ND	Pass
Imazalil	0.050	0.00	ND	Pass
Imidacloprid	0.050	5.00	ND	Pass
Kresoxim Methyl	0.050	0.10	ND	Pass
Malathion	0.050	0.50	ND	Pass
Metalaxyl	0.050	2.00	< LOQ	Pass
Methiocarb	0.050	0.00	ND	Pass
Methomyl	0.050	1.00	ND	Pass
Methyl Parathion	0.050	0.00	ND	Pass
Mevinphos	0.050	0.00	ND	Pass
Myclobutanil	0.050	0.10	ND	Pass
Naled	0.050	0.10	ND	Pass
Oxamyl	0.050	0.50	ND	Pass
Paclobutrazol	0.050	0.00	ND	Pass
Pentachloronitrobenzene	0.050	0.10	ND	Pass
Permethrin	0.050	0.50	ND	Pass
Phosmet	0.050	0.10	ND	Pass
Piperonyl Butoxide	0.050	3.00	ND	Pass
Prallethrin	0.050	0.10	ND	Pass
Propiconazole	0.050	0.10	ND	Pass
Propoxur	0.050	0.00	ND	Pass
Pyrethrins	0.050	0.50	ND	Pass
Pyridaben	0.050	0.10	ND	Pass
Spinetoram	0.050	0.10	ND	Pass
Spinosad	0.050	0.10	ND	Pass
Spiromesifen	0.050	0.10	ND	Pass
Spirotetramat	0.050	0.10	ND	Pass
Spiroxamine	0.050	0.00	ND	Pass
Tebuconazole	0.050	0.10	ND	Pass
Thiacloprid	0.050	0.00	ND	Pass
Thiamethoxam	0.050	5.00	ND	Pass
Trifloxystrobin	0.050	0.10	ND	Pass

Date Tested: 2/14/2022

Mycotoxins

Pass

Analyte	LOQ (µg/g)	Limit (µg/g)	Mass (µg/g)	Status
Aflatoxin B1	0.02	0.02	ND	Pass
Aflatoxin B2	0.02	0.02	ND	Pass
Aflatoxin G1	0.02	0.02	ND	Pass
Aflatoxin G2	0.02	0.02	ND	Pass
Ochratoxin A	0.02	0.02	ND	Pass

Date Tested: 2/14/2022

Certificate of Analysis

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	339	Pass
Ethyl Acetate	100	5000	ND	Pass
Ethyl Ether	100	5000	ND	Pass
Ethylene Oxide	1	1	ND	Pass
Heptane	100	5000	< LOQ	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	< LOQ	Pass
Trichloroethylene	1	1	ND	Pass
Xylenes	100	2170	ND	Pass

Date Tested: 2/11/2022

Heavy Metals Analysis

Pass

Analyte	LOQ (µg/g)	Limit (µg/g)	Mass (µg/g)	Status
Arsenic	0.050	0.200	ND	Pass
Cadmium	0.050	0.200	ND	Pass
Lead	0.125	0.500	ND	Pass
Mercury	0.025	0.100	ND	Pass

Date Tested: 2/11/2022

Microbial Analysis

Pass

Test	Result (CFU/g)	Status
Aspergillus flavus	Absent / 1g	Pass
Aspergillus fumigatus	Absent / 1g	Pass
Aspergillus niger	Absent / 1g	Pass
Aspergillus terreus	Absent / 1g	Pass
Shiga-toxin producing *Escherichia coli*	Absent / 1g	Pass
Salmonella	Absent / 1g	Pass

Date Tested: 2/11/2022

CFU = Colony Forming Units

Certificate of Analysis

Water Activity

Pass

Test	Limit (Aw)	Result (Aw)	Status
Water Activity	0.65	0.47	Pass

Date Tested: 2/9/2022

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 - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

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).

Mycotoxins Analysis - 5 compounds (FDA_MYC) — **FESA Labs - Santa Ana, CA**

Determination of Mycotoxins in Corn, Peanut Butter and Wheat Flour Using Stable Isotope Dilution Assay (SIDA) and Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) (modified).

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).

Microbial Analysis - (FDABAM_4A_5_18) — **FESA Labs - Santa Ana, CA**

U.S. Food and Drug Administration, Bacteriological Analytical Manual, Chapter 4A, Diarrheagenic Escherichia coli; Chapter 5, Salmonella; Chapter 18, Yeasts, Molds and Mycotoxins (modified).

Water Activity Analysis - (AOAC_978_18) — **FESA Labs - Santa Ana, CA**

Official Methods of Analysis, Method 978.18.AOAC INTERNATIONAL, Water Activity of Canned Vegetables (modified).

Testing Location:

FESA Labs
2002 S. Grand Ave., Suite A
Santa Ana, CA 92705
(714) 549-5050
www.fesalabs.com