FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Sample ID:
Date Issued: 7/16/24

Certificate of Analysis

For R&D Use Only - Not a California Compliance Certificate.

GMO

Client: Healthy Alternatives

Total CBD	**ND**
Total THC	**29.03 %**
Total Cannabinoids	**33.09 %**

Sample Name:
GMO

Matrix:
Plant

Unit Mass:
1 g per unit

Sample ID:

Date Received:
7/16/2024

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

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

FESA Labs
2002 South Grand Avenue Suite A
Santa Ana, CA 92705
(714) 540-0172
www.fesalabs.com

FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Sample ID:
Date Issued: 7/16/24

Certificate of Analysis

For R&D Use Only - Not a California Compliance Certificate.

Client: Healthy Alternatives

Cannabinoid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Mass (%)	Mass (mg/g)
CBDV	0.0035	0.011	ND	ND
CBD	0.0030	0.0090	ND	ND
CBG	0.0038	0.011	ND	ND
CBDA	0.0017	0.0052	ND	ND
CBN	0.00080	0.0024	ND	ND
Delta 9-THC	**0.0022**	**0.0067**	**0.104**	**1.04**
Delta 8-THC	0.0020	0.0059	ND	ND
CBC	0.00070	0.0021	ND	ND
THCA	**0.0024**	**0.0073**	**32.981**	**329.81**
Total CBD			ND	ND
Total THC			**29.029**	**290.29**
Total Cannabinoids			**33.085**	**330.85**

Date Tested: 7/16/2024

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

Total CBD = CBDa * 0.877 + CBD

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

Testing Location:

FESA Labs
2002 S. Grand Ave., Suite A
Santa Ana, CA 92705
(714) 540-0172
www.fesalabs.com

FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Sample ID:
Date Issued: 4/1/24

Certificate of Analysis

For R&D Use Only - Not a California Compliance Certificate.

Medellin

Client:

Total CBD	**ND**
Total THC	**20.63 %**
Total Cannabinoids	**23.50 %**

Sample Name:
Medellin

Matrix:
Plant

Unit Mass:
1 g per unit

Sample ID:

Date Received:
4/1/2024

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

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

FESA Labs
2002 South Grand Avenue Suite A
Santa Ana, CA 92705
(714) 540-0172
www.fesalabs.com

FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Sample ID
Date Issued: 9/6/2024

Certificate of Analysis

Cannabinoid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Mass (%)	Mass (mg/g)
CBDV	0.0035	0.011	ND	ND
CBD	0.0030	0.0090	ND	ND
CBG	0.0038	0.011	ND	ND
CBDA	0.0017	0.0052	ND	ND
CBN	0.00080	0.0024	ND	ND
Delta 9-THC	**0.0022**	**0.0067**	**0.10**	**1.00**
Delta 8-THC	0.0020	0.0059	ND	ND
CBC	0.00070	0.0021	ND	ND
THCA	**0.0024**	**0.0073**	**25.72**	**257.19**
Total CBD			ND	ND
Total THC			**22.66**	**226.56**
Total Cannabinoids			**25.82**	**258.19**

Date Tested: 9/6/2024

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

Total CBD = CBDa * 0.877 + CBD

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 Hajslova, 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

Testing Location:

FESA Labs
2002 S. Grand Ave., Suite A
Santa Ana, CA 92705
(714) 540-0172
www.fesalabs.com

R P

FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Sample ID:
Date Issued: 4/1/24

Certificate of Analysis

For R&D Use Only - Not a California Compliance Certificate.

Cannabinoid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Mass (%)	Mass (mg/g)
CBDV	0.0035	0.011	ND	ND
CBD	0.0030	0.0090	ND	ND
CBG	0.0038	0.011	ND	ND
CBDA	0.0017	0.0052	ND	ND
CBN	0.00080	0.0024	ND	ND
Delta 9-THC	**0.0022**	**0.0067**	**0.187**	**1.87**
Delta 8-THC	0.0020	0.0059	ND	ND
CBC	0.00070	0.0021	ND	ND
THCA	**0.0024**	**0.0073**	**23.311**	**233.11**
Total CBD			ND	ND
Total THC			**20.63**	**206.31**
Total Cannabinoids			**23.50**	**234.98**

Date Tested: 4/1/2024

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

Total CBD = CBDa * 0.877 + CBD

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 Hajslova, 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

Testing Location:

FESA Labs
2002 S. Grand Ave., Suite A
Santa Ana, CA 92705
(714) 540-0172
www.fesalabs.com

PINNACLE
ANALYTICS

Potency Results

Sample Name: *Garlic Butter*
Client:
Client Batch ID:

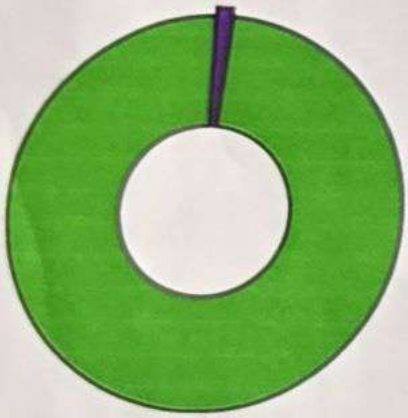
Pinnacle-Analytics.com
3549 Lear Way, Suite 101
Medford OR 97504
P:(541)300-8217

Sample ID:
Matrix: Flower
Prep Analyst: Jeff A.
Analysis Method: 0668534+1 H4 5-24-2024 #1.lcm
Sampling Method: N/A
Reference Method: JCB 2009: HPLC/DAD
Analysis Batch: 10-31-2024 H4 101, 208, 276, 354, 520 Flower

Date Sampled: 10/29/2024
Date Reported: 11/1/2024

For R&D Purposes Only

Total THC (THCA*0.877+d9-THC)	28.1%
Total CBD (CBDA*0.877+CBD)	<LOQ%
Moisture Content	14.6%



Cannabinoid	% Weight	mg/g
CBDVA	<LOQ	<LOQ
CBDV	<LOQ	<LOQ
CBDA*	<LOQ	<LOQ
CBGA	0.354	3.54
CBG	<LOQ	<LOQ
CBD*	<LOQ	<LOQ
THCV	<LOQ	<LOQ
CBN	<LOQ	<LOQ
d9-THC*	<LOQ	<LOQ
d8-THC*	<LOQ	<LOQ
CBC	<LOQ	<LOQ
THCA*	28.15	281.5
Total Cannabinoids	28.50	285.0

*ORELAP Accredited Analyte
Limit Of Quantitation: 0.1%, analyte not measured

CBGA
THCA*

Kris Ford, PhD
Lab Director

FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Sample ID
Date Issued: 9/6/2024

Certificate of Analysis

For R&D Use Only - Not a California Compliance Certificate.

Reeses Pieces

Client:

Total CBD	**ND**
Total THC	**22.66 %**
Total Cannabinoids	**25.82 %**

Sample Name:
Reeses Pieces

Matrix:
Plant

Unit Mass:
1 g per unit

Sample ID:

Date Received:
9/6/2024

Marie

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

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

FESA Labs
2002 South Grand Avenue Suite A
Santa Ana, CA 92705
(714) 540-0172
www.fesalabs.com

FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Sample ID: 49140710-1
Date Issued: 7/11/24
Batch Result: Pass

Certificate of Analysis

For R&D Use Only - Not a California Compliance Certificate.

D - Sample 1

Client: IJS Farm Inc
825 C Merrimon Ave #213
Asheville, NC 28804

Total CBD	**ND**
Total THC	**87.41 %**
Total Cannabinoids	**99.66 %**

Analysis Summary

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

Sample Name:
D - Sample 1

Matrix:
Concentrate

Unit Mass:
1 g per unit

Sample ID:
49140710-1

Date Received:
7/10/2024

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

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

Certificate of Analysis

For R&D Use Only - Not a California Compliance Certificate.

Cannabinoid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Mass (%)	Mass (mg/g)
CBDV	0.0035	0.011	ND	ND
CBD	0.0030	0.0090	ND	ND
CBG	0.0038	0.011	ND	ND
CBDA	0.0017	0.0052	ND	ND
CBN	0.00080	0.0024	ND	ND
Delta 9-THC	0.0022	0.0067	ND	ND
Delta 8-THC	0.0020	0.0059	ND	ND
CBC	0.00070	0.0021	ND	ND
THCA	**0.0024**	**0.0073**	**99.6640**	**996.640**
Total CBD			ND	ND
Total THC			**87.41**	**874.05**
Total Cannabinoids			**99.66**	**996.64**

Date Tested: 7/10/2024

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

Total CBD = CBDa * 0.877 + CBD

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

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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	ND	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: 7/10/2024

Certificate of Analysis

For R&D Use Only - Not a California Compliance Certificate.

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	<LOQ	Pass
Propane	100	5000	ND	Pass
Toluene	100	890	ND	Pass
Trichloroethylene	1	1	ND	Pass
Xylenes	100	2170	ND	Pass

Date Tested: 7/10/2024

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: 7/10/2024

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: 7/11/2024

Certificate of Analysis

For R&D Use Only - Not a California Compliance Certificate.

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: 7/11/2024

CFU = Colony Forming Units

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).

Testing Location:

FESA Labs
2002 S. Grand Ave., Suite A
Santa Ana, CA 92705
(714) 540-0172
www.fesalabs.com

BADGER LABS

CERTIFICATE OF ANALYSIS

BADGER LABS
3426 E. Maria Drive
Stevens Point, WI 54481
(715) 544-4900

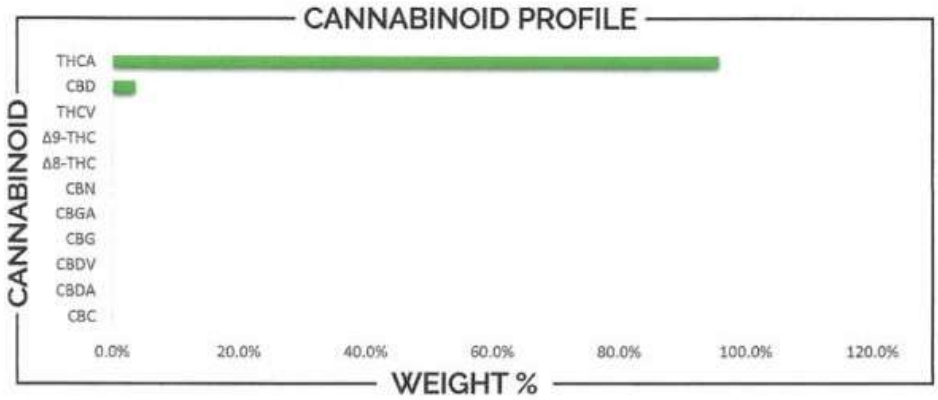
REPORT PREPARED FOR:

IJS Farm Inc
825C Merrimon Ave #213
Asheville, NC 28804

PROJECT# 23014985
REPORT DATE 9/12/2023

SAMPLE NAME: THCA - Crumble
DATE RECEIVED: 9/11/2023 **LAB ID:** 53033404

THCa	TOTAL CBD	TOTAL CANNABINOIDS
95.70%	3.61%	99.32%



CANNABINOID	WEIGHT (%)	MG/G
CBC	ND	ND
CBD	3.61	36.11
CBDA	ND	ND
CBDV	ND	ND
CBG	ND	ND
CBGA	ND	ND
CBN	ND	ND
Δ8-THC	ND	ND
Δ9-THC	ND	ND
THCA	95.70	957.05
THCV	ND	ND

Analysis Method: TP-POT-05
Total THC = (0.877 x THCA) + Δ9-THC
Total CBD = (0.877 x CBDA) + CBD
ND = Not Detected

Prepared By: BRB
Prep Date: 9/11/2023
Batch ID: SEP1123A-POT

Analyzed By: BRB
Analysis Date: 9/11/2023

PJLA Testing
Accreditation# 116520

APPROVED BY:
JUSTIN HALL
LAB DIRECTOR

SIGNATURE

9/12/2023
SIGNED ON

BADGER LABS

CERTIFICATE OF ANALYSIS

BADGER LABS
3426 E. Maria Drive
Stevens Point, WI 54481
(715) 544-4900

REPORT PREPARED FOR:

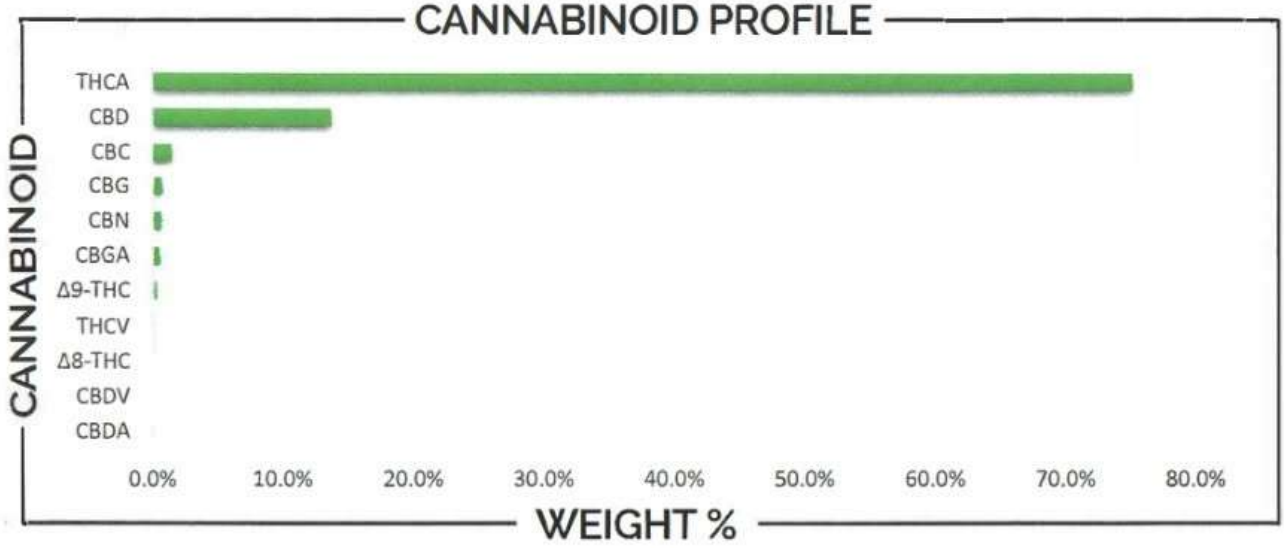
IJS Farm Inc
825C Merrimon Ave #213
Asheville, NC 288C

PROJECT# 23014985
REPORT DATE 9/5/2023

SAMPLE NAME: THCA - Butter
DATE RECEIVED: 9/1/2023 **LAB ID:** 53033405

THCa	TOTAL CBD	TOTAL CANNABINOIDS
74.96%	13.65%	92.23%

CANNABINOID PROFILE



CANNABINOID	WEIGHT (%)	MG/G
CBC	1.47	14.75
CBD	13.65	136.49
CBDA	ND	ND
CBDV	ND	ND
CBG	0.71	7.10
CBGA	0.53	5.35
CBN	0.65	6.47
Δ8-THC	ND	ND
Δ9-THC	0.25	2.51
THCA	74.96	749.64
THCV	ND	ND

Analysis Method: TP-POT-05
Total THC = (0.877 x THCA) + Δ9-THC
Total CBD = (0.877 x CBDA) + CBD
ND = Not Detected

Prepared By: BRB
Prep Date: 9/1/2023
Batch ID: SEP01z3A-POT

Analyzed By: BRB
Analysis Date: 9/1/2023

PJLA Testing
Accreditation# 115522

APPROVED BY:
JUSTIN HALL
LAB DIRECTOR

SIGNATURE

9/5/2023
SIGNED ON

BADGER LABS

CERTIFICATE OF ANALYSIS

BADGER LABS
3426 E. Maria Drive
Stevens Point, WI 54481
(715) 544-4900

REPORT PREPARED FOR:

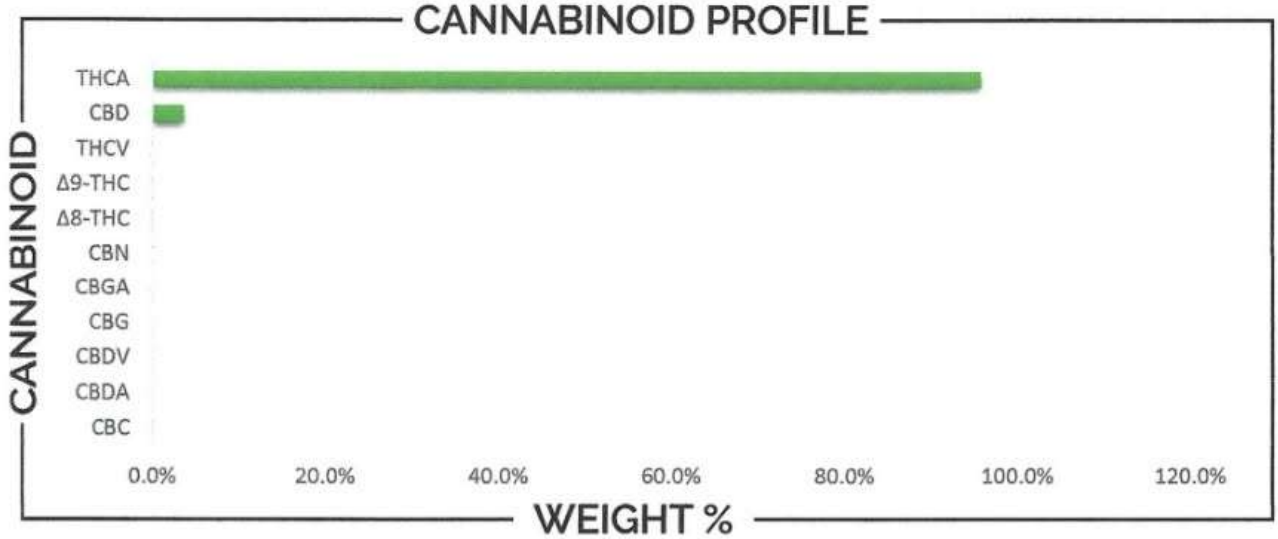
IJS Farm Inc
825C Merrimon Ave #213
Asheville, NC 28804

PROJECT# 23014985
REPORT DATE 9/12/2023

SAMPLE NAME: THCA - Crumble
DATE RECEIVED: 9/11/2023 **LAB ID:** 53033404

THCa	TOTAL CBD	TOTAL CANNABINOIDS
95.70%	3.61%	99.32%

CANNABINOID PROFILE



CANNABINOID	WEIGHT (%)	MG/G
CBC	ND	ND
CBD	3.61	36.11
CBDA	ND	ND
CBDV	ND	ND
CBG	ND	ND
CBGA	ND	ND
CBN	ND	ND
Δ8-THC	ND	ND
Δ9-THC	ND	ND
THCA	95.70	957.05
THCV	ND	ND

Analysis Method: TP-POT-05
Total THC = (0.877 x THCA) + Δ9-THC
Total CBD = (0.877 x CBDA) + CBD
ND = Not Detected

Prepared By: BRB
Prep Date: 9/11/2023
Batch ID: SEP1123A-POT

Analyzed By: BRB
Analysis Date: 9/11/2023

PJLA Testing
Accreditation# 115522

APPROVED BY:
JUSTIN HALL
LAB DIRECTOR

J. Hall
SIGNATURE

9/12/2023
SIGNED ON

FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Sample ID:
Date Issued: 6/14/24

Certificate of Analysis

For R&D Use Only - Not a California Compliance Certificate.

Frost

Client: Healthy Alternatives

Total CBD	**ND**
Total THC	**27.40 %**
Total Cannabinoids	**31.21 %**

Sample Name:
Frost

Matrix:
Plant

Unit Mass:
1 g per unit

Sample ID:

Date Received:
6/14/2024

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

This certificate of analysis is responsible for the tested sample only and is for research and development (R&D) use only. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of FESA Labs. FESA Labs shall not be liable for any damage that may result from the data contained herein in any way. FESA Labs makes no claim to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. If there are any questions with this report please email info@fesalabs.com. This certificate of analysis is intended only for the use of the party to whom it is addressed and may contain information that is confidential or protected from disclosure under applicable law. If you have received this document in error, please immediately contact us.

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

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Cannabinoid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Mass (%)	Mass (mg/g)
CBDV	0.0035	0.011	ND	ND
CBD	0.0030	0.0090	ND	ND
CBG	0.0038	0.011	ND	ND
CBDA	0.0017	0.0052	ND	ND
CBN	0.00080	0.0024	ND	ND
Delta 9-THC	**0.0022**	**0.0067**	**0.190**	**1.90**
Delta 8-THC	0.0020	0.0059	ND	ND
CBC	0.00070	0.0021	ND	ND
THCA	**0.0024**	**0.0073**	**31.024**	**310.24**
Total CBD			ND	ND
Total THC			**27.40**	**273.98**
Total Cannabinoids			**31.21**	**312.14**

Date Tested: 6/14/2024

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

Total CBD = CBDa * 0.877 + CBD

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 Kimela, Veronika Svobodova, Jana Hajslova, 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

Testing Location:

FESA Labs