

Comprehensive Analysis Report

Sample Overview

Client: Cripple Juniper Farms/EukAFlo

Cache Valley, Utah

Sample Name: Pina Colada CBD

Sample Matrix: Tincture

Sample Lot: BHP210906D

Date Received: 11/23/2022

APRC #: EUF221123C



Assay	Disposition	Date Tested
Heavy Metals - Utah State Cannabis Panel	Tested	11-29-2022
Microbial Impurities	Tested	11-30-2022
Mycotoxin Quantitation	Tested	01/06/2023
Pesticide Screen (APRC Panel)	Tested	01/31/2023



Accreditation #115229

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HPLC Analysis Report

Cannabinoid Profile Certificate of Analysis

Client: EukAFlo Date Received: 09-13-2021
Sample Name: Pina Colada CBD Date Tested: 09-14-2021
Sample Matrix: Tincture APRC #: EUF210913C
Sample Lot: BHP210906D-1

ID#	Cannabinoid	Ret. Time	% (w/w)	mg/g
1	Cannabidivarin (CBDV)	2.163	0.02	0.16
2	Cannabidiolic acid (CBDA)	ND	N/A	N/A
3	Cannabigerolic acid (CBGA)	<LOQ	N/A	N/A
4	Cannabigerol (CBG)	3.006	0.07	0.65
5	Cannabidiol (CBD)	3.174	3.48	34.77
6	Tetrahydrocannabivarin (THCV)	ND	N/A	N/A
7	Cannabinol (CBN)	<LOQ	N/A	N/A
8	Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	5.818	0.11	1.13
9	Δ^8 -Tetrahydrocannabinol (Δ^8 -THC)	ND	N/A	N/A
10	Cannabichromene (CBC)	<LOQ	N/A	N/A
11	Δ^9 -Tetrahydrocannabinolic acid (THCA-A)	<LOQ	N/A	N/A

Analyzed by: Jordan Morley

Reviewed by: Cierra Gunn

	%	mg/g
Total Cannabinoids	3.67	36.70
Total THC [†]	0.11	1.13
Total CBD [‡]	3.48	34.77

[†] Total THC is calculated by Δ^9 -THC + (THCA-A*0.877)

[‡] Total CBD is calculated by CBD + (CBDA*0.877)

Notes:

Residual Solvents Analysis Report

Certificate of Analysis

Pina Colada CBD

Client Name: EukAFlo

Client Lot #: BHP210906D-1

Sample Matrix: Tincture

Sample Received: 09-13-2021

APRC Lot #: EUF210913C

Release Date: 09-13-2021

Analyte	Limit (µg/g)†	Concentration (µg/g)	Disposition
1,2 Dimethoxyethane	100	ND	Pass
1,4 Dioxane	380	ND	Pass
1-Butanol	5000	ND	Pass
1-Pentanol	5000	ND	Pass
1-Propanol	5000	ND	Pass
2-Butanol	5000	ND	Pass
2-Butanone	5000	ND	Pass
2-Ethoxyethanol	160	ND	Pass
2-methylbutane	5000	ND	Pass
2-Propanol (Isopropyl Alcohol)	5000	ND	Pass
Acetone	5000	ND	Pass
Acetonitrile	410	ND	Pass
Benzene	2	ND	Pass
Butane	5000	ND	Pass
Cumene	70	ND	Pass
Cyclohexane	3880	ND	Pass
Dichloromethane (Methylene Chloride)	600	ND	Pass
2,2-dimethylbutane	290	ND	Pass
2,3-dimethylbutane	290	ND	Pass
1,2-dimethylbenzene (o-Xylene)	See Xylenes	ND	Pass
1,3,4-dimethylbenzene (m,p-Xylene)	See Xylenes	ND	Pass
Dimethyl Sulfoxide (DMSO)	5000	ND	Pass
Ethanol	5000	ND	Pass
Ethyl Acetate	5000	ND	Pass
Ethylbenzene	See Xylenes	ND	Pass
Ethyl ether	5000	ND	Pass
Ethylene glycol	620	ND	Pass
Ethylene Oxide	50	NT	N/A
Heptane	5000	ND	Pass
Hexane	290	ND	Pass
Isopropyl acetate	5000	ND	Pass
Methanol	3000	ND	Pass
Methylpropane	5000	ND	Pass
2-Methylpentane	290	ND	Pass
3-Methylpentane	290	ND	Pass
N,N-dimethylacetamide	1090	ND	Pass
N,N-dimethylformamide	880	ND	Pass
Pentane	5000	ND	Pass
Propane	5000	ND	Pass
Pyridine	100	ND	Pass
Sulfolane	160	ND	Pass
Tetrahydrofuran	720	ND	Pass
Toluene	890	ND	Pass
Xylenes‡	2170	ND	Pass

† Per Utah state code 4-41a-701(3) Section R68-29-6

‡ Total Xylenes is a combination of the following: o-Xylene, m-Xylene, p-Xylene, and Ethylbenzene

Overall Disposition: Pass

Prepared By: Ambika Poudel

Reviewed By: Dr. Prabodh Satyal

Instrument Analysis Report

Heavy Metals

Method: CTLA

Sample Name: Pina Colada CBD

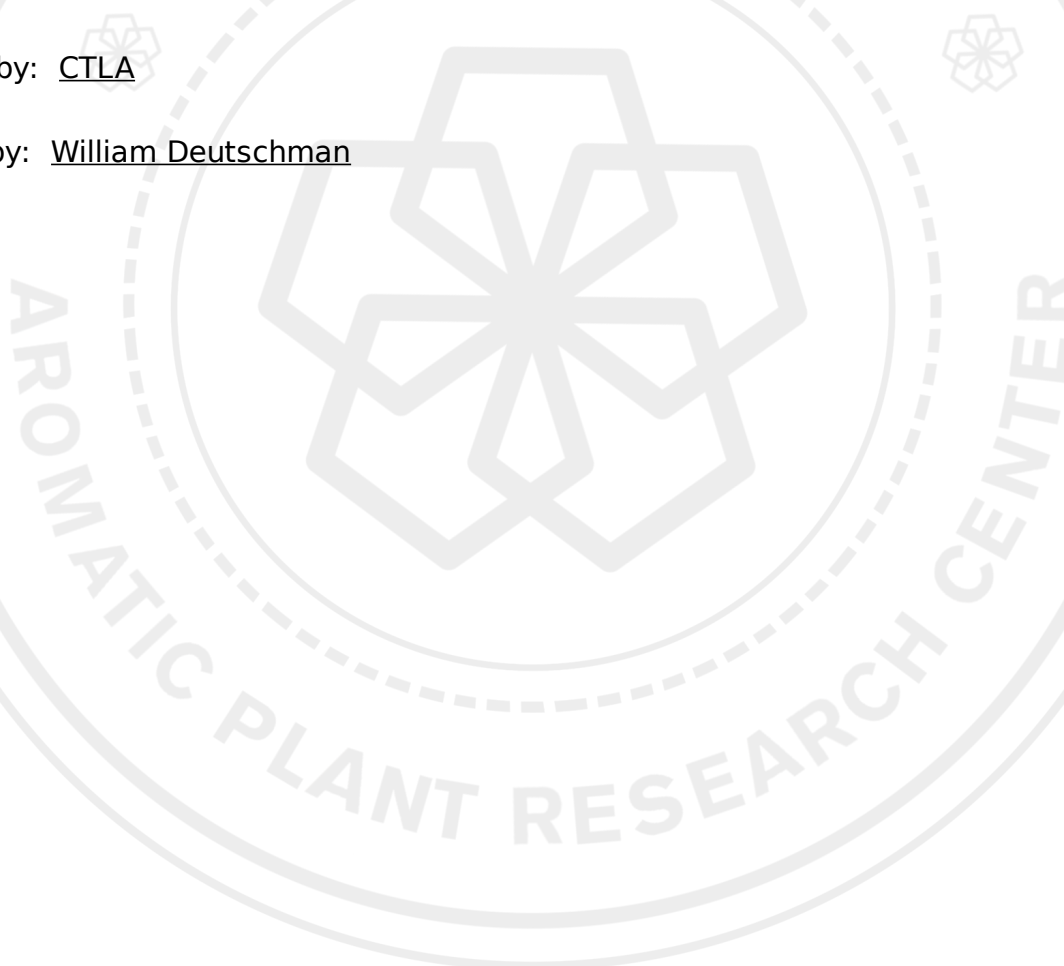
APRC Lot Number: EUF221123C

Analyte	Result (ppm)	LOD (ppm)	Threshold (ppm)	Pass/Fail
Arsenic	<0.001	0.001	2.00	Pass
Cadmium	0.012	0.001	0.82	Pass
Lead	0.190	0.001	1.20	Pass
Mercury	<0.001	0.001	0.40	Pass

Heavy metal analysis is completed in partnership with Contract Testing Laboratories of America, Orem UT.

Performed by: CTLA

Reviewed by: William Deutschman



Instrument Analysis Report

Microbial Impurities

Method: SOP 1-2034.01

Sample Name: Pina Colada CBD

APRC Lot Number: EUF221123C

Total Counts			
Microbial Group:	Result (CFU/g):	Specification:	Disposition:
Total Aerobic Bacteria	<10	≤10,000	Pass
Total Yeast and Mold	<10	≤1,000	Pass

Specific Organism Identification			
Microbial Organism:	Result:	Specification:	Disposition:
Aspergillus flavus	ND	Report Only	Tested
Aspergillus fumigatus	ND	Report Only	Tested
Aspergillus niger	ND	Report Only	Tested
Aspergillus terreus	ND	Report Only	Tested
Escherichia coli - Non shigella	ND	Not Detected	Pass
Escherichia coli - Shigella spp	ND	Not Detected	Pass
STEC	ND	Report Only	Tested
Listeria monocytogenes	ND	Report Only	Tested
Salmonella - Specific Gene	ND	Report Only	Tested
Staphylococcus aureus	ND	Not Detected	Pass
Pseudomonas aeruginosa	ND	Not Detected	Pass

Performed by: Jordan Morley

Notes: Foreign Matter: Not Detected.

Reviewed by: Riley Hunter

Instrument Analysis Report

Mycotoxins

Method: Mycotoxin

Sample Name: Pina Colada CBD

APRC Lot Number: EUF221123C

Mycotoxin	Finding (µg/kg)	Limit(µg/kg)	Pass/Fail
Aflatoxin B1:	ND		
Aflatoxin B2:	ND		
Aflatoxin G1:	ND		
Aflatoxin G2:	ND		
Total Aflatoxins:	0	20	Pass
Ochratoxin A:	ND	20	Pass

Performed by: Noura Ahmed

Reviewed by: Prabodh Satyal



Approved By:

William A. Deutschman, Ph.D.
Laboratory Director - APRC Lehi
01/06/2023

Instrument Analysis Report

Pesticides

Method:

Sample Name: Piña Colada CBD

APRC Lot Number: EUF230127B

Pesticide:	Finding	Action Limit (µg/g)	Pass/Fail
Abamectin	ND	0.5	Pass
Acephate	ND	0.4	Pass
Acequinocyl	ND	2.0	Pass
Acetamiprid	ND	0.2	Pass
Aldicarb	ND	0.4	Pass
Azoxystrobin	ND	0.2	Pass
Bifenazate	ND	0.2	Pass
Bifenthrin	ND	0.2	Pass
Boscalid	ND	0.4	Pass
Carbaryl	ND	0.2	Pass
Carbofuran	ND	0.2	Pass
Chlorantraniliprole	ND	0.2	Pass
Chlorfenapyr	ND	1.0	Pass
Chlorpyrifos	ND	0.2	Pass
Clofentezine	ND	0.2	Pass
Cyfluthrin	ND	1.0	Pass
Cypermethrin	ND	1.0	Pass
Daminozide	ND	1.0	Pass
Dichlorvos	ND	0.1	Pass
Diazinon	ND	0.2	Pass
Dimethoate	ND	0.2	Pass
Ethoprophos	ND	0.2	Pass
Etofenprox	ND	0.4	Pass
Etoxazole	ND	0.2	Pass
Fenoxycarb	ND	0.2	Pass
Fenpyroximate	ND	0.4	Pass
Fipronil	ND	0.4	Pass
Flonicamid	ND	1.0	Pass
Fludioxonil	ND	0.4	Pass

Pesticide:	Finding	Action Limit (µg/g)	Pass/Fail
Hexythiazon	ND	1.0	Pass
Imazal	ND	0.2	Pass
Imidacloprid	ND	0.4	Pass
Kresoxim-methyl	ND	0.4	Pass
Malathion A	ND	0.2	Pass
Metalaxyl	ND	0.2	Pass
Methiocarb	ND	0.2	Pass
Methomyl	ND	0.4	Pass
Methylparathion	ND	0.2	Pass
MGK-264	ND	0.2	Pass
Myclobutanil	ND	0.2	Pass
Naled	ND	0.5	Pass
Oxamyl	ND	1.0	Pass
Paclobutrazol	ND	0.4	Pass
Permethrins	ND	0.2	Pass
Phosmet	ND	0.2	Pass
Piperonylbutoxide	ND	2.0	Pass
Prallethrin	ND	0.2	Pass
Propiconazole	ND	0.4	Pass
Propoxur	ND	0.2	Pass
Pyrethrin	ND	1.0	Pass
Pyridaben	ND	0.2	Pass
Spinosad	ND	0.2	Pass
Spinetoram	ND	0.1	Pass
Spirotetramat	ND	0.2	Pass
Spiroxamine	ND	0.4	Pass
Tebuconazole	ND	0.4	Pass
Thiacloprid	ND	0.2	Pass
Thiamethoxam	ND	0.2	Pass
Trifloxystrobin	ND	0.2	Pass

With Data

Performed by: Noura Ahmed

Reviewed by: Prabodh Satyal

Approved By:

William A. Deutschman, Ph.D.
Laboratory Director - APRC Lehi
02/02/2023

Pesticide testing performed in a non-ISO 17025:2017 accredited facility.