



CERTIFICATE OF ANALYSIS

Not for Regulatory Compliance

Date: Feb 17, 2023

Overall Result



PASS

Botanical Brewing Company

pg 1 of 4

Perfect Pear Delta 9

Edible Liquid



SAMPLE INFORMATION

Sample ID: CTND-230215-005

Sample Name: Perfect Pear Delta 9

Matrix: Edible Liquid

Batch No.: 678

Retail Batch Date: Feb 01, 2023

Sample Size: 355 ml

Cultivar(s): N/A

Cultivation Facility: Botanical Brewing Co

Production Facility: Botanical Brewing Co

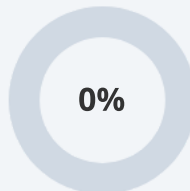
Date Collected: Feb 15, 2023

Date Received: Feb 15, 2023

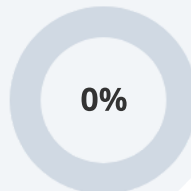
Received By: Adriana S. Ramirez

Cannabinoids

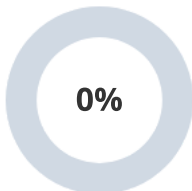
TOTAL CANNABINOIDS



TOTAL THC

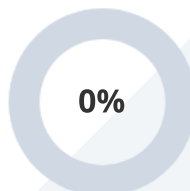


TOTAL CBD



Terpenes

TOTAL TERPENES



TOP 5 TERPENES

Terpene	Percentage	Profile
Camphene	0%	Earthy
Geraniol	0%	Rose
Linalool	0%	Floral
p-Cymene	0%	
(-)-Guaiol	0%	Earthy

Cannabinoids



PASS

Heavy Metals



TESTED

Terpenes



TESTED

Total Contaminant Load



PASS

Foreign Matter



NOT TESTED

Microbials



NOT TESTED

Moisture Content



NOT TESTED

Mycotoxins



NOT TESTED

Pesticides



NOT TESTED

Residual Solvents



NOT TESTED

Water Activity



NOT TESTED



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 Laboratory Director
 Feb 17, 2023



Lovelie Metzgar
 Quality Manager
 Feb 17, 2023



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Cannabinoids

Testing Method: CTND-FL-SOP-P-001, CTND-FL-SOP-P-002: Cannabinoids by HPLC-PDA

PASS

Analyte	Dilution	LOD	LOQ	Results	Results	Results
	1:n	mg/g	mg/g	%	mg/g	mg/pkg
CBC	10	0.00200	0.00500	ND	ND	
CBD	10	0.00200	0.00500	ND	ND	
CBDA	10	0.00200	0.00500	ND	ND	
CBDV	10	0.00200	0.00500	ND	ND	
CBG	10	0.00200	0.00500	ND	ND	
CBGA	10	0.00200	0.00500	ND	ND	
CBN	10	0.00200	0.00500	ND	ND	
Δ ⁸ -THC	10	0.00200	0.00500	ND	ND	
Δ ⁹ -THC	10	0.00200	0.00500	0.00239	0.0239	
THCA	10	0.00200	0.00500	ND	ND	
THCV	10	0.00200	0.00500	ND	ND	
Total THC				0.00239	0.0239	
Total CBD				ND	ND	

Prepared By: 10, 10
Prep Date: Feb 15, 2023
20:30:00 UTC, Feb 15, 2023
22:30:00 UTC
Prep Weight: 9.868 Grams

Analyzed By: 10
Analysis Date: Feb 16, 2023
14:00:00 UTC

Reviewed By: 14
Review Date: Feb 16, 2023
14:20:00 UTC

Lab Batch #: 64230215P, P230021

Foreign Matter

Testing Method: Foreign Matter

NOT TESTED

Analyte	Limit	Results	Status
Feces		NT	N/A
Filth		NT	N/A

Prepared By: N/A
Prep Date: N/A
Prep Weight: N/A

Analyzed By: N/A
Analysis Date: N/A
Lab Batch #: N/A

Reviewed By: N/A
Review Date: N/A

Mycotoxins

Testing Method: Mycotoxins

NOT TESTED

Analyte	Dilution	LOD	LOQ	Limit	Results	Status
	1:n			ppb		
Aflatoxin B1					NT	N/A
Aflatoxin B2					NT	N/A
Aflatoxin G1					NT	N/A
Aflatoxin G2					NT	N/A
Ochratoxin A					NT	N/A
Aflatoxins					NT	N/A

Prepared By: N/A
Prep Date: N/A
Prep Weight: N/A

Analyzed By: N/A
Analysis Date: N/A
Lab Batch #: N/A

Reviewed By: N/A
Review Date: N/A

Terpenes

Testing Method: CTND-FL-SOP-T-001, CTND-FL-SOP-T-002: Terpenes by GC-MS

TESTED

Analyte	Dilution	LOD	LOQ	Results	Results
	1:n	mg/g	mg/g	%	
Camphene	1	0.00200	0.0100	ND	ND
Geraniol	1	0.00200	0.0100	ND	ND
Linalool	1	0.00200	0.0100	ND	ND
p-Cymene	1	0.00200	0.0100	ND	ND
(-)-Guaïol	1	0.00200	0.0100	ND	ND
d-Limonene	1	0.00200	0.0100	ND	ND
1,8-Cineole	1	0.00200	0.0100	ND	ND
Terpinolene	1	0.00200	0.0100	ND	ND
β-Pinene	1	0.00200	0.0100	ND	ND
α-Pinene	1	0.00200	0.0100	ND	ND
β-Myrcene	1	0.00200	0.0100	ND	ND
cis-Nerolidol	1	0.00200	0.0100	ND	ND
(-)-Isopulegol	1	0.00200	0.0100	ND	ND
Δ ³ -Carene	1	0.00200	0.0100	ND	ND
α-Humulene	1	0.00200	0.0100	ND	ND
α-Terpinene	1	0.00200	0.0100	ND	ND
γ-Terpinene	1	0.00200	0.0100	ND	ND
trans-Nerolidol	1	0.00200	0.0100	ND	ND
cis-β-Ocimene	1	0.00200	0.0100	ND	ND
β-Caryophyllene	1	0.00200	0.0100	ND	ND
trans-β-Ocimene	1	0.00200	0.0100	ND	ND
(-)-α-Bisabolol	1	0.00200	0.0100	ND	ND
(-)-Caryophyllene oxide	1	0.00200	0.0100	ND	ND
Total Terpenes				ND	ND

Prepared By: 17, 5
Prep Date: Feb 15, 2023
16:57:00 UTC, Feb 15, 2023
19:23:00 UTC
Prep Weight: 0.2541 Grams

Analyzed By: 5
Analysis Date: Feb 15, 2023
20:46:00 UTC

Reviewed By: 6
Review Date: Feb 17, 2023
17:19:00 UTC

Lab Batch #: T230017, Terp230017

Moisture Content

Testing Method: Moisture Content

NOT TESTED

Analyte	Limit	Results	Status
Moisture		NT	N/A

Prepared By: N/A
Prep Date: N/A
Prep Weight: N/A

Analyzed By: N/A
Analysis Date: N/A
Lab Batch #: N/A

Reviewed By: N/A
Review Date: N/A

Water Activity

Testing Method: Water Activity

NOT TESTED

Analyte	Limit	Results	Status
Water Activity		NT	N/A

Prepared By: N/A
Prep Date: N/A
Prep Weight: N/A

Analyzed By: N/A
Analysis Date: N/A
Lab Batch #: N/A

Reviewed By: N/A
Review Date: N/A



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Laboratory Director
Feb 17, 2023



Lovell Metzgar
Quality Manager
Feb 17, 2023



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Sample ID: CTND-230215-005

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Pesticides

Testing Method: Pesticides

NOT TESTED

Analyte	Dilution	LOD	LOQ	Limit	Results	Status
	1:n			ppb		
Abamectin					NT	N/A
Acephate					NT	N/A
Acequinocyl					NT	N/A
Acetamiprid					NT	N/A
Aldicarb					NT	N/A
Azoxystrobin					NT	N/A
Bifenazate					NT	N/A
Bifenthrin					NT	N/A
Boscalid					NT	N/A
Captan					NT	N/A
Carbaryl					NT	N/A
Carbofuran					NT	N/A
Chlorantranil-iprole					NT	N/A
Chlordane					NT	N/A
Chlorfenapyr					NT	N/A
Chlormequat chloride					NT	N/A
Chlorpyrifos					NT	N/A
Clofentezine					NT	N/A
Coumaphos					NT	N/A
Cyfluthrin					NT	N/A
Cypermethrin					NT	N/A
Daminozide					NT	N/A
Diazinon					NT	N/A
Dichlorvos					NT	N/A
Dimethoate					NT	N/A
Dimethomorph E					NT	N/A
Dimethomorph Z					NT	N/A
Ethoprophos					NT	N/A
Etofenprox					NT	N/A
Etoxazole					NT	N/A
Fenhexamid					NT	N/A
Fenoxycarb					NT	N/A
Fenpyroximate					NT	N/A
Fipronil					NT	N/A
Flonicamid					NT	N/A
Fludioxonil					NT	N/A
Hexythiazox					NT	N/A
Imazalil					NT	N/A

Analyte	Dilution	LOD	LOQ	Limit	Results	Status
	1:n			ppb		
Imidacloprid					NT	N/A
Kresoxim-methyl					NT	N/A
Malathion					NT	N/A
Metalaxyl					NT	N/A
Methiocarb					NT	N/A
Methomyl					NT	N/A
Methyl parathion					NT	N/A
Mevinphos					NT	N/A
Myclobutanil					NT	N/A
Naled					NT	N/A
Oxamyl					NT	N/A
Pacllobutrazol					NT	N/A
Pentachloronitrobenzene					NT	N/A
Permethrin cis					NT	N/A
Permethrin trans					NT	N/A
Phosmet					NT	N/A
Piperonylbutoxide					NT	N/A
Prallethrin					NT	N/A
Propiconazole					NT	N/A
Propoxur					NT	N/A
Pyrethrins Cinerin I					NT	N/A
Pyrethrins Cinerin II					NT	N/A
Pyrethrins Jasmolin I					NT	N/A
Pyrethrins Jasmolin II					NT	N/A
Pyrethrins Pyrethrin I					NT	N/A
Pyrethrins Pyrethrin II					NT	N/A
Pyridaben					NT	N/A
Spinetoram					NT	N/A
Spinosad A					NT	N/A
Spinosad D					NT	N/A
Spiromesifen					NT	N/A
Spirotetramat					NT	N/A
Spiroxamine					NT	N/A
Tebuconazole					NT	N/A
Thiacloprid					NT	N/A
Thiamethoxam					NT	N/A
Trifloxystrobin					NT	N/A

Prepared By: N/A
Prep Date: N/A
Prep Weight: N/A

Analyzed By: N/A
Analysis Date: N/A
Lab Batch #: N/A

Reviewed By: N/A
Review Date: N/A

Heavy Metals

Testing Method: CTND-FL-SOP-M-001: Heavy Metals by ICP-MS

TESTED

Analyte	Dilution	LOD	LOQ	Limit	Results	Status
	1:n	ppb	ppb	ppb	ppb	
Lead	1	50.0	250	500	ND	N/A
Arsenic	1	20.0	100	1500	ND	N/A

Analyte	Dilution	LOD	LOQ	Limit	Results	Status
	1:n	ppb	ppb	ppb	ppb	
Cadmium	1	20.0	100	500	ND	N/A
Mercury	1	20.0	100	3000	ND	N/A

Prepared By: 14, 14
Prep Date: Feb 15, 2023 17:00:00 UTC
Prep Weight: 0.502 Grams

Analyzed By: 14
Analysis Date: Feb 15, 2023 20:59:00 UTC
Lab Batch #: M230007

Reviewed By: 14
Review Date: Feb 15, 2023 21:00:00 UTC

Total Contaminant Load: 0 ppm | Action Limit: 30 ppm

PASS



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Definitions and Equations: Total THC = THCa*0.877 + d9-THC, Total CBD = CBDa*0.877 + CBD, LOQ = Limit of Quantification, LOD = Limit of Detection, NT = Not Tested, ND = Not Detected. This report, and all results within, relates only to the product submitted and tested, and may not be reproduced without written approval from Certified Testing and Data (CTND). CTND has been accredited by an unbiased thirdparty agency to ISO 17025 standards.



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Microbials

NOT TESTED

Analyte	Limit	Results	Status
Aspergillus flavus		NT	N/A
Aspergillus fumigatus		NT	N/A
Aspergillus niger		NT	N/A
Aspergillus spp.		NT	N/A
Aspergillus terreus		NT	N/A
Salmonella spp.		NT	N/A
Shiga toxin-producing E. coli		NT	N/A
Yeast & Mold		NT	N/A

Testing & Prep Method:

N/A

Prepared By:	Prep Date:	Reviewed By:	Review Date:
N/A	N/A	N/A	N/A
Analyzed By:	Analysis Date:	Lab Batch #:	
N/A	N/A	N/A	

Residual Solvents

Testing Method: Residual Solvents

NOT TESTED

Analyte	Dilution	LOD	LOQ	Limit	Results	Status
	1:n			ppm		
1,1-Dichloroethene					NT	N/A
1,2-Dichloroethane					NT	N/A
Acetone					NT	N/A
Acetonitrile					NT	N/A
Benzene					NT	N/A
Butane					NT	N/A
Chloroform					NT	N/A
Ethanol					NT	N/A
Ethyl acetate					NT	N/A
Ethyl ether					NT	N/A
Ethylene oxide					NT	N/A
Heptane					NT	N/A

Analyte	Dilution	LOD	LOQ	Limit	Results	Status
	1:n			ppm		
Hexane					NT	N/A
Isopropyl alcohol					NT	N/A
Methanol					NT	N/A
Methylene chloride					NT	N/A
Pentane					NT	N/A
Propane					NT	N/A
Toluene					NT	N/A
Total xylenes					NT	N/A
Trichloroethylene					NT	N/A
o-Xylene					NT	N/A
p- and m-Xylene					NT	N/A

Prepared By: N/A
Prep Date: N/A
Prep Weight: N/A

Analyzed By: N/A
Analysis Date: N/A
Lab Batch #: N/A

Reviewed By: N/A
Review Date: N/A

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