

CERTIFICATE OF ANALYSIS

* FOR QUALITY ASSURANCE PURPOSES. NOT A MAINE COMPLIANCE CERTIFICATE.

HOP THE WAVE LEMONADE/ICED TEA HALF & HALF (EDIBLE LIQUID) // PRODUCED: MAR 15, 2024

CLIENT: 1820 BREWING COMPANY // BATCH: PASS



MATRIX: EDIBLE LIQUID ¹
DENSITY: 0.9919 g/ml ²
SAMPLE ID: NAL-240313-006
COLLECTED ON: MAR 13, 2024
RECEIVED ON: MAR 13, 2024
SAMPLE SIZE: 1 UNITS ¹
SAMPLED BY: 1820 BREWING COMPANY
RECEIVED BY: IAN LEONARD
SERVING SIZE: 355 ML ¹

¹ ENTERED BY CLIENT, ² ENTERED BY LAB

CANNABINOID OVERVIEW

CBD: 5.81 mg/srv
Δ⁹-THC: 5.39 mg/srv
TOTAL CANNABINOIDS: 11.2 mg/srv

BATCH RESULT: PASS

POTENCY TESTED

CAN.1: POTENCY & CANNABINOID PROFILE BY HPLC-UV PREPARATION: MAR 14, 2024 // ANALYSIS: MAR 14, 2024

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/ml)	PASS/FAIL	ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/ml)	PASS/FAIL
CBC		ND	ND	0.00250/0.00500	N/A	Δ ⁸ -THCA		ND	ND	0.00500/0.00500	N/A
CBCA		ND	ND	0.00250/0.00500	N/A	Δ ⁹ -THC	0.00153 %	0.0152 mg/ml	0.00250/0.00500	N/A	
CBD	0.00165 %	0.0164 mg/ml	0.00250/0.00500	0.00250/0.00500	N/A	Δ ¹⁰ -THC		ND	ND	0.00250/0.00500	N/A
CBDA		ND	ND	0.00250/0.00500	N/A	EXO-THC		ND	ND	0.00500/0.00500	N/A
CBDV		ND	ND	0.00250/0.00500	N/A	THCA		ND	ND	0.00500/0.00500	N/A
CBDVA		ND	ND	0.00250/0.00500	N/A	THCV		ND	ND	0.00250/0.00500	N/A
CBG		ND	ND	0.00250/0.00500	N/A	THCVA		ND	ND	0.00250/0.00500	N/A
CBGA		ND	ND	0.00250/0.00500	N/A	TOTAL THC**	0.00153 %	0.0152 mg/ml			N/A
CBL		ND	ND	0.00500/0.00500	N/A	TOTAL CBD**	0.00165 %	0.0164 mg/ml			N/A
CBLA		ND	ND	0.00250/0.00500	N/A	CBD/SRV		5.81 mg			N/A
CBN		ND	ND	0.00250/0.00500	N/A	Δ ⁹ -THC/SRV		5.39 mg			N/A
CBNA		ND	ND	0.00250/0.00500	N/A	TOTAL THC/SRV**		5.39 mg			N/A
Δ ⁸ -THC		ND	ND	0.00500/0.00500	N/A	TOTAL CBD/SRV**		5.81 mg			N/A

** TOTAL CBD = (CBDA X 0.877) + CBD

** TOTAL THC = (THCA X 0.877) + THC

Reported on an as received basis

1000 µg/g = 1 mg/g



AUTHORIZED BY:
 ZACHARY SMITH
 LABORATORY MANAGER, NOVA
 ANALYTIC LABS
 MAR 15, 2024



Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

2 of 3

ICAL ID: 20240307-063
Sample: CA240307-017-050
Half & Half
Strain: Half & Half
Category: Ingestible
Type: Beverage

Hop The Wave Brewing
Lic. #
SD
SD, CA 92121
Lic. #

Batch#: 021424
Batch Size Collected:
Total Batch Size:
Collected: 03/11/2024; Received: 03/11/2024
Completed: 03/11/2024

Residual Solvent Analysis

Category 1	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status			
1,2-Dichloro-Ethane	µg/g	µg/g	µg/g	µg/g	Acetone	µg/g	µg/g	µg/g	µg/g	n-Hexane	µg/g	µg/g	µg/g	µg/g			
ND	0.264	0.088	1	Pass	ND	51.246	0.716	5000	Pass	ND	0.281	0.027	290	Pass			
Benzene	ND	0.052	0.017	1	Pass	Acetonitrile	ND	0.42	0.14	410	Pass	Isopropanol	ND	2.86	0.614	5000	Pass
Chloroform	ND	0.076	0.025	1	Pass	Butane	ND	4.849	0.748	5000	Pass	Methanol	ND	2.602	0.867	3000	Pass
Ethylene Oxide	ND	0.579	0.179	1	Pass	Ethanol	178.9	7.575	2.525	5000	Pass	Pentane	ND	5.075	1.692	5000	Pass
Methylene-Chloride	ND	0.729	0.08	1	Pass	Ethyl-Acetate	ND	2.288	0.175	5000	Pass	Propane	ND	9.709	3.236	5000	Pass
Trichloroethene	ND	0.145	0.028	1	Pass	Ethyl-Ether	ND	2.869	0.389	5000	Pass	Toluene	ND	0.864	0.067	890	Pass
					Heptane	ND	2.859	0.496	5000	Pass	Xylenes	ND	2.572	0.326	2170	Pass	

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP RS-INST-003.

Heavy Metal Screening

	µg/g	LOQ	LOD	Limit	Status
Arsenic	ND	0.009	0.003	1.5	Pass
Cadmium	ND	0.002	0.001	0.5	Pass
Lead	ND	0.004	0.001	0.5	Pass
Mercury	ND	0.014	0.005	1.5	Pass

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Microbiological Screening

Limit	Result	Status

ND=Not Detected. Analytical instrumentation used:qPCR; samples analyzed according to SOP MICRO-INST-001.



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Josh M Swider

Josh Swider
Lab Director, Managing Partner
03/11/2024

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This product has been tested by Infinite Chemical Analysis, LLC using valid testing methodologies and a quality system as required by state law. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 15730, pursuant to 16 CCR section 15726(e)(13). Values reported relate only to the product tested. Infinite Chemical Analysis, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Infinite Chemical Analysis, LLC.



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QA SAMPLE - INFORMATIONAL ONLY

3 of 3

ICAL ID: 20240307-063
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Half & Half
Strain: Half & Half
Category: Ingestible
Type: Beverage

Hop The Wave Brewing
Lic. #
SD
SD, CA 92121
Lic. #

Batch#: 021424
Batch Size Collected:
Total Batch Size:
Collected: 03/11/2024; Received: 03/11/2024
Completed: 03/11/2024

Chemical Residue Screening

Category 1	LOQ	LOD	Status	Mycotoxins	LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g	
Aldicarb	ND	0.065	0.022	Pass				
Carbofuran	ND	0.030	0.009	Pass				
Chlordane	ND	0.075	0.025	Pass				
Chlorfenapyr	ND	0.075	0.025	Pass				
Chlorpyrifos	ND	0.053	0.018	Pass				
Coumaphos	ND	0.056	0.018	Pass				
Daminozide	ND	0.079	0.026	Pass				
Dichlorvos	ND	0.067	0.022	Pass				
Dimethoate	ND	0.036	0.012	Pass				
Ethoprofos	ND	0.053	0.017	Pass				
Etofenprox	ND	0.030	0.008	Pass				
Fenoxycarb	ND	0.043	0.014	Pass				
Fipronil	ND	0.045	0.015	Pass				
Imazalil	ND	0.047	0.016	Pass				
Methiocarb	ND	0.047	0.016	Pass				
Mevinphos	ND	0.042	0.014	Pass				
Paclobutrazol	ND	0.040	0.013	Pass				
Parathion Methyl	ND	0.024	0.008	Pass				
Propoxur	ND	0.047	0.016	Pass				
Spiroxamine	ND	0.032	0.011	Pass				
Thiacloprid	ND	0.042	0.014	Pass				

Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status		
	µg/g	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g	µg/g		
Abamectin	ND	0.030	0.010	0.3	Pass	Kresoxim Methyl	ND	0.038	0.012	1	Pass
Acephate	ND	0.050	0.016	5	Pass	Malathion	ND	0.035	0.012	5	Pass
Acequinocyl	ND	0.059	0.019	4	Pass	Metalaxyl	ND	0.031	0.010	15	Pass
Acetamiprid	ND	0.044	0.015	5	Pass	Methomyl	ND	0.048	0.016	0.1	Pass
Azoxystrobin	ND	0.029	0.010	40	Pass	Myclobutanil	ND	0.055	0.018	9	Pass
Bifenazate	ND	0.035	0.012	5	Pass	Naled	ND	0.051	0.017	0.5	Pass
Bifenthrin	ND	0.040	0.013	0.5	Pass	Oxamyl	ND	0.046	0.015	0.3	Pass
Boscalid	ND	0.060	0.020	10	Pass	Pentachloronitrobenzene	ND	0.054	0.018	0.2	Pass
Captan	ND	0.358	0.120	5	Pass	Permethrin	ND	0.030	0.008	20	Pass
Carbaryl	ND	0.049	0.016	0.5	Pass	Phosmet	ND	0.038	0.012	0.2	Pass
Chlorantraniliprole	ND	0.063	0.021	40	Pass	Piperonyl Butoxide	ND	0.030	0.008	8	Pass
Clofentezine	ND	0.039	0.013	0.5	Pass	Prallethrin	ND	0.068	0.023	0.4	Pass
Cyfluthrin	ND	0.056	0.019	1	Pass	Propiconazole	ND	0.059	0.019	20	Pass
Cypermethrin	ND	0.044	0.015	1	Pass	Pyrethrins	ND	0.030	0.004	1	Pass
Diazinon	ND	0.030	0.006	0.2	Pass	Pyridaben	ND	0.035	0.012	3	Pass
Dimethomorph	ND	0.042	0.014	20	Pass	Spinetoram	ND	0.030	0.006	3	Pass
Etoxazole	ND	0.030	0.008	1.5	Pass	Spinosad	ND	0.030	0.004	3	Pass
Fenhexamid	ND	0.039	0.013	10	Pass	Spiromesifen	ND	0.042	0.014	12	Pass
Fenpyroximate	ND	0.030	0.010	2	Pass	Spirotetramat	ND	0.041	0.013	13	Pass
Fonicamid	ND	0.081	0.027	2	Pass	Tebuconazole	ND	0.044	0.014	2	Pass
Fludioxonil	ND	0.046	0.015	30	Pass	Thiamethoxam	ND	0.055	0.018	4.5	Pass
Hexythiazox	ND	0.078	0.026	2	Pass	Trifloxystrobin	ND	0.031	0.010	30	Pass
Imidacloprid	ND	0.071	0.023	3	Pass						

Other Analyte(s):

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: LC-MS-MS & GC-MS-MS; samples analyzed according to SOPs PESTMYCO-LC-INST-004 and PEST-GC-INST-003.



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Report of Analytical Results

Client: D.L. Geary Brewing Co
Address: 38 Evergreen Dr
Portland, ME 04103

SDG: SR0968
Product Testing
Project: GYLE:021424
Client PO:
Report Date: 13-MAR-24

Lab ID: SR0968-1 **Client ID:** HOP THE WAVE **Collected Date:** 23-FEB-24 13:45:00 **Received Date:** 04-MAR-24
Sample Description: HALF AND HALF THC 021424
Sample Comment:

Compound	Result	Prep. Date	Analysis Date	Prep. By	Analyst	Analysis Method
Coliforms	<10 CFUs/g	04-MAR-24 11:27:00	06-MAR-24 10:03:00	KM	KM	AOAC 991.14
E. Coli	<10 CFUs/g	04-MAR-24 11:27:00	06-MAR-24 10:03:00	KM	KM	AOAC 991.14
Lactobacillus	<10 CFUs/g	04-MAR-24 11:27:00	06-MAR-24 10:03:00	KM	KM	AOAC 997.02
Listeria Species	Negative /25g	04-MAR-24 11:03:00	05-MAR-24 15:25:00	KM	KM	AOAC 2013.10
Mold	<10 CFUs/g	04-MAR-24 11:27:00	09-MAR-24 10:04:00	KM	CA	AOAC 997.02
Salmonella	Negative /25g	04-MAR-24 11:09:00	05-MAR-24 10:06:00	KM	CA	AOAC 2013.01
Staphylococcus	<10 CFUs/g	04-MAR-24 11:27:00	05-MAR-24 11:48:00	KM	CA	AOAC 2003.07
Yeast	<10 CFUs/g	04-MAR-24 11:27:00	09-MAR-24 10:04:00	KM	CA	AOAC 997.02
pH(Product)	3.38 pH	04-MAR-24 11:31:00	04-MAR-24 11:34:00	KM	KM	AOAC 994.18

This report has been electronically signed:
Jennifer Prescott
Quality Assurance Officer