

CERTIFICATE OF ANALYSIS

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

PRODUCED: MAY 03, 2023

SAMPLE: MN - LIME WILD MINT SELTZER - EARLY PACKAGING - 5MG THC PER PKG (EDIBLE LIQUID) // CLIENT: HAPPY // BATCH: **PASS**



MATRIX: EDIBLE LIQUID
SAMPLE ID: CAM-230502-026
COLLECTED ON: MAY 02, 2023
RECEIVED ON: MAY 02, 2023
SAMPLE SIZE: 1 UNITS
SAMPLED BY: KAITLYN
PACKAGE SIZE: 226 G

CANNABINOID OVERVIEW

Δ⁹-THC:	5.18 mg/pkg
CBG:	0.246 mg/pkg
TOTAL CANNABINOIDS:	5.59 mg/pkg

BATCH RESULT: **PASS**

POTENCY **PASS**

POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD // MAY 03, 2023

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
CBC	0.0000250 %	0.00025	mg/g	0.0517/0.172	N/A	Δ⁹-THC	0.00229 %	0.0229	mg/g	0.102/0.340	N/A
CBD		ND	ND	0.109/0.363	N/A	THCA		ND	ND	0.0883/0.294	N/A
CBDA		ND	ND	0.142/0.474	N/A	THCV		ND	ND	0.0699/0.233	N/A
CBDV		ND	ND	0.0673/0.224	N/A	TOTAL THC **	0.00229 %	0.0229	mg/g		N/A
CBG	0.000109 %	0.00109	mg/g	0.0576/0.192	N/A	TOTAL CBD **		ND	ND		N/A
CBGA		ND	ND	0.0328/0.109	N/A	CBD/PKG		ND	ND		N/A
CBN	0.0000490 %	0.00049	mg/g	0.0848/0.283	N/A	Δ⁸-THC/PKG	11 mg	ND	ND		PASS
Δ⁸ + Δ⁹-THC	0.00229 %	0.0229	mg/g		N/A	Δ⁹-THC/PKG		5.18 mg	5.18 mg		N/A
Δ⁸-THC	10 %	ND	ND	0.0578/0.193	PASS	Δ⁸ + Δ⁹-THC/PKG	110 mg	5.18 mg	5.18 mg		PASS

** TOTAL THC = DELTA-8-THC + DELTA-9-THC + (THCA X 0.877)

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

THIS REPORT MAY NOT BE REPRODUCED EXCEPT IN FULL WITHOUT APPROVAL FROM CAMBIUM ANALYTICA. THE RESULTS HEREIN RELATE ONLY TO THE SAMPLE & BATCH IDENTIFIED IN THIS REPORT



RESULTS CERTIFIED BY: VERNON LALONE
 LABORATORY DIRECTOR, CAMBIUM ANALYTICA
 MAY 03, 2023



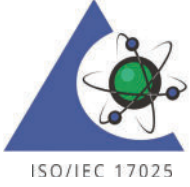
RESULTS CERTIFIED BY: DOUGLAS SMITH
 CHIEF SCIENTIST, CAMBIUM ANALYTICA
 MAY 03, 2023





ILAC-MRA, PJLA ACCREDITED

POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD
CBD, CBDA, DELTA-9-THC, THCA, CBDV, THCV, CBG, CBGA,
CBN, DELTA-8-THC, CBC, DELTA-8 + DELTA-9-THC, TOTAL CBD,
TOTAL THC



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CERTIFICATE OF ANALYSIS

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PRODUCED: AUG 07, 2023

SAMPLE: LIME WILD MINT - 5MG THC PER 7.5 FL. OZ (EDIBLE LIQUID) // CLIENT: HAPPY // BATCH: **PASS**



MATRIX: EDIBLE LIQUID
SAMPLE ID: CAM-230802-104
COLLECTED ON: AUG 02, 2023
RECEIVED ON: AUG 02, 2023
SAMPLE SIZE: 3 UNITS



BATCH RESULT: **PASS**

MICROBIAL PASS

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RESULTS CERTIFIED BY: VERNON LALONE
LABORATORY DIRECTOR, CAMBIUM ANALYTICA
AUG 07, 2023



RESULTS CERTIFIED BY: DOUGLAS SMITH
CHIEF SCIENTIST, CAMBIUM ANALYTICA
AUG 07, 2023



COL-027: TOTAL COLIFORMS // AUG 04, 2023

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
COLIFORMS	100 CFU/g	ND	PASS

ASP-029: ASPERGILLUS SPP. // AUG 04, 2023

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
ASPERGILLUS FLAVUS	Any amount in 1 gram	ND	PASS
ASPERGILLUS FUMIGATUS	Any amount in 1 gram	ND	PASS
ASPERGILLUS NIGER	Any amount in 1 gram	ND	PASS

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
ASPERGILLUS SPP.	Any amount in 1 gram	ND	PASS
ASPERGILLUS TERREUS	Any amount in 1 gram	ND	PASS

SAL-030: SALMONELLA // AUG 04, 2023

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
SALMONELLA SPP.	Any amount in 1 gram	ND	PASS

STEC-030: SHIGA TOXIN PRODUCING E. COLI // AUG 04, 2023

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL

SHIGA TOXIN-PRODUCING E. COLI

Any amount in 1 gram

ND PASS

TYM-014, TYM-028: TOTAL YEAST AND MOLD // AUG 07, 2023

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
YEAST & MOLD	10000 CFU/g	ND	PASS

PRODUCT IMAGES



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ANALYZED BY:

Anresco Laboratories
1375 Van Dyke Avenue,
San Francisco, CA 94124
C8-000052-LIC

DISTRIBUTOR:

Harold Han
675 Hegenberger Road Suite 120
Pleasanton 94621

MANUFACTURER:

Vertosa Wellness LLC
1630 N Main St Ste 363
Walnut Creek, CA 94596


SAMPLE INFORMATION

Sample No.: 1155918
Product Name: HTM-O3-VWE040401
Matrix: Concentrate (Emulsion)

Date Collected: 04/04/2023
Date Received: 04/05/2023
Date Reported: 04/10/2023

TEST SUMMARY

Cannabinoid Profile: ✔ Tested
Pesticide Residue Screen: ✔ Pass
Heavy Metal Screen: ✔ Pass
Microbiological Screen: ✔ Tested
Residual Solvent Screen: ✔ Pass
Mycotoxin Screen: ✔ Pass

Cannabinoid Profile

04/07/2023

Method: MF-CHEM-15
Instrument: Liquid Chromatography Diode Array Detector (LC-DAD)
Limit of Detection 0.0667 mg/g
Limit of Quantification 0.2 mg/g

Cannabinoid	mg/g	%
Δ8-THC	3.34	0.334
Δ9-THC	31.46	3.146
Δ9-THCA	ND	ND
THCV	0.24	0.024
THCVA	ND	ND
CBD	<LOQ	<LOQ
CBDA	ND	ND
CBC	0.31	0.031
CBCA	ND	ND
CBDV	ND	ND
CBG	1.00	0.101
CBGA	ND	ND
CBN	0.92	0.092
Total THC	31.46	3.146
Total CBD	ND	ND
Total Cannabinoids	37.28	3.728
Sum of Cannabinoids	37.28	3.728

Total THC = Δ9-THC + (0.877 * Δ9-THCA)
Total CBD = CBD + (0.877 * CBDA)
Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 * Σ (acidic cannabinoids)]

Microbiological Screen

04/10/2023

Analyte	Findings	Units	Method
Standard Plate Count	<10	cfu/g	FDA BAM
Yeast	<10	cfu/g	AOAC 2014.05
Mold	<10	cfu/g	AOAC 2014.05
Coliforms	<10	cfu/g	FDA BAM - ECC AGAR
Escherichia coli	<10	cfu/g	FDA BAM - ECC AGAR
Salmonella	Negative/1g	-	AOAC 2016.01

Pesticide Residue Screen ✔ Pass

04/07/2023

Method: MF-CHEM-13
Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Abamectin	0.04/0.10	ND	0.3	Pass
Acephate	0.02/0.06	ND	5.0	Pass
Acequinocyl	0.04/0.10	ND	4.0	Pass
Acetamiprid	0.02/0.06	ND	5.0	Pass
Aldicarb	0.02/0.06	ND	0.02	Pass

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Azoxystrobin	0.02/0.06	ND	40.0	Pass
Bifenazate	0.02/0.06	ND	5.0	Pass
Bifenthrin	0.04/0.10	ND	0.5	Pass
Boscalid	0.02/0.06	ND	10.0	Pass
Captan	0.2/0.6	ND	5.0	Pass
Carbaryl	0.02/0.06	ND	0.5	Pass
Carbofuran	0.02/0.06	ND	0.02	Pass
Chlorantraniliprole	0.02/0.06	ND	40.0	Pass
Chlordane	0.02/0.06	ND	0.02	Pass
Chlorfenapyr	0.02/0.08	ND	0.02	Pass
Chlorpyrifos	0.02/0.06	ND	0.02	Pass
Clofentezine	0.02/0.06	ND	0.5	Pass
Coumaphos	0.02/0.06	ND	0.02	Pass
Cyfluthrin	0.10/0.30	ND	1.0	Pass
Cypermethrin	0.10/0.30	ND	1.0	Pass
Daminozide	0.02/0.06	ND	0.02	Pass
DDVP (Dichlorvos)	0.02/0.06	ND	0.02	Pass
Diazinon	0.02/0.06	ND	0.2	Pass
Dimethoate	0.02/0.06	ND	0.02	Pass
Dimethomorph	0.02/0.06	ND	20.0	Pass
Ethoprop(hos)	0.02/0.06	ND	0.02	Pass
Etofenprox	0.02/0.06	ND	0.02	Pass
Etoxazole	0.02/0.06	ND	1.5	Pass
Fenhexamid	0.02/0.06	ND	10.0	Pass
Fenoxycarb	0.02/0.06	ND	0.02	Pass
Fenpyroximate	0.02/0.06	ND	2.0	Pass
Fipronil	0.02/0.06	ND	0.02	Pass
Flonicamid	0.02/0.06	ND	2.0	Pass
Fludioxonil	0.02/0.06	ND	30.0	Pass
Hexythiazox	0.02/0.06	ND	2.0	Pass
Imazalil	0.02/0.06	ND	0.02	Pass
Imidacloprid	0.02/0.06	ND	3.0	Pass
Kresoxim Methyl	0.02/0.06	ND	1.0	Pass
Malathion	0.02/0.06	ND	5.0	Pass
Metalaxyl	0.02/0.06	ND	15.0	Pass
Methiocarb	0.02/0.06	ND	0.02	Pass
Methomyl	0.02/0.06	ND	0.1	Pass
Methyl parathion	0.02/0.06	ND	0.02	Pass
Mevinphos	0.02/0.06	ND	0.02	Pass
Myclobutanil	0.02/0.06	ND	9.0	Pass
Naled	0.02/0.06	ND	0.5	Pass
Oxamyl	0.02/0.06	ND	0.2	Pass
Pacllobutrazol	0.02/0.06	ND	0.02	Pass
Pentachloronitrobenzene	0.04/0.10	ND	0.2	Pass
Permethrins	0.10/0.30	ND	20.0	Pass
Phosmet	0.02/0.06	ND	0.2	Pass
Piperonyl Butoxide	0.02/0.06	ND	8.0	Pass
Prallethrin	0.04/0.10	ND	0.4	Pass
Propiconazole	0.02/0.06	ND	20.0	Pass
Propoxur	0.02/0.06	ND	0.02	Pass
Pyrethrins	0.15/0.50	ND	1.0	Pass
Pyridaben	0.02/0.06	ND	3.0	Pass
Spinetoram	0.02/0.06	ND	3.0	Pass
Spinosad	0.02/0.06	ND	3.0	Pass
Spiromesifen	0.04/0.10	ND	12.0	Pass
Spirotetramat	0.02/0.06	ND	13.0	Pass
Spiroxamine	0.02/0.06	ND	0.02	Pass
Tebuconazole	0.02/0.06	ND	2.0	Pass
Thiacloprid	0.02/0.06	ND	0.02	Pass
Thiamethoxam	0.02/0.06	ND	4.5	Pass
Trifloxystrobin	0.02/0.06	ND	30.0	Pass

Residual Solvent Screen ✔ Pass

04/07/2023

Method: MF-CHEM-32

Instrument: Gas Chromatography Mass Spectrometry (GC/MS)

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
1,2-Dichloroethane	0.2/0.5	ND	1	Pass
Acetone	67/200	ND	5000	Pass
Acetonitrile	67/200	ND	410	Pass
Benzene	0.2/0.5	ND	1	Pass
n-Butane	67/200	ND	5000	Pass
Chloroform	0.2/0.5	ND	1	Pass
Ethanol	67/200	ND	5000	Pass
Ethyl acetate	67/200	ND	5000	Pass
Ethyl ether	67/200	ND	5000	Pass
Ethylene oxide	0.2/0.5	ND	1	Pass
n-Heptane	67/200	ND	5000	Pass
n-Hexane	67/200	ND	290	Pass
Isopropyl alcohol	67/200	ND	5000	Pass
Methanol	67/200	ND	3000	Pass
Methylene chloride	0.2/0.5	ND	1	Pass
n-Pentane	67/200	ND	5000	Pass
Propane	67/200	ND	5000	Pass
Toluene	67/200	ND	890	Pass
Total xylenes (ortho-, meta-, para-)	67/200	ND	2170	Pass
Trichloroethylene	0.2/0.5	ND	1	Pass

Heavy Metal Screen ✔ Pass

04/07/2023

Method: MF-CHEM-16

Instrument: Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Arsenic	0.02/0.05	ND	1.5	Pass
Cadmium	0.02/0.05	ND	0.5	Pass
Mercury	0.02/0.05	ND	3	Pass
Lead	0.02/0.05	ND	0.5	Pass

Mycotoxin Screen ✔ Pass

04/07/2023

Method: MF-CHEM-13

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

Analyte	LOD/LOQ (µg/kg)	Findings (µg/kg)	Limit (µg/kg)	Status
Aflatoxin B1	2/5	ND	-	-
Aflatoxin B2	2/5	ND	-	-
Aflatoxin G1	2/5	ND	-	-
Aflatoxin G2	2/5	ND	-	-
Total Aflatoxins	8/20	ND	20	Pass
Ochratoxin A	6/20	ND	20	Pass

(-) = Not Tested, ND = None Detected, <LOQ = Below Limit of Quantitation, LOD = Limit of Detection

Reported by




Vu Lam
Lab Co Director



Scan to verify