

Prepared for:
Venn Brewing Company
3550 East 46th St #140
Minneapolis, MN USA 55406

Zenn Tenn Cherry Lime

Batch ID or Lot Number: THC0016	Test: Potency	Reported: 19Sep2023	USDA License: N/A
Matrix: Unit	Test ID: T000256315	Started: 19Sep2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 19Sep2023	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.214	0.681	ND	ND	# of Servings = 1, Sample Weight=485g
Cannabichromenic Acid (CBCA)	0.195	0.623	ND	ND	
Cannabidiol (CBD)	0.672	1.813	ND	ND	
Cannabidiolic Acid (CBDA)	0.689	1.859	ND	ND	
Cannabidivarin (CBDV)	0.159	0.429	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.287	0.776	ND	ND	
Cannabigerol (CBG)	0.121	0.387	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.507	1.617	ND	ND	
Cannabinol (CBN)	0.158	0.505	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.346	1.103	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.604	1.927	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.548	1.750	8.630	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.486	1.550	ND	ND	
Tetrahydrocannabivarin (THCV)	0.110	0.352	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.428	1.367	ND	ND	
Total Cannabinoids			8.630	0.00	
Total Potential THC			8.630	0.00	
Total Potential CBD			ND	ND	

Final Approval



Karen Winternheimer
19Sep2023
02:09:00 PM MDT

PREPARED BY / DATE



Sam Smith
19Sep2023
02:12:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/b51cf45a-0f66-459b-80d1-000303ef9137>

Definitions
% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDA *(0.877)).

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



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3550 East 46th St #140

Minneapolis, MN USA 55406

Zenn Tenn Cherry Lime

Batch ID or Lot Number: THC0016	Test, Test ID and Methods: Various	Matrix: Unit	Page 2 of 5
Reported: 12Sep2023	Started: 12Sep2023	Received: 12Sep2023	


Residual Solvents


Test ID: T000255690

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	116 - 2323	ND	
Butanes (Isobutane, n-Butane)	231 - 4611	ND	
Methanol	70 - 1395	ND	
Pentane	117 - 2334	ND	
Ethanol	113 - 2260	ND	
Acetone	115 - 2303	ND	
Isopropyl Alcohol	116 - 2313	ND	
Hexane	7 - 137	ND	
Ethyl Acetate	112 - 2240	ND	
Benzene	0.2 - 4.6	ND	
Heptanes	115 - 2300	ND	
Toluene	21 - 414	ND	
Xylenes (m,p,o-Xylenes)	150 - 2999	ND	

Final Approval


 Karen Winternheimer
 13Sep2023
 02:43:00 PM MDT
 PREPARED BY / DATE


 Sam Smith
 13Sep2023
 02:44:00 PM MDT
 APPROVED BY / DATE

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Pesticides


Test ID: T000255687

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	352 - 2613	ND		Malathion	273 - 2712	ND
Acephate	45 - 2712	ND		Metalaxyl	47 - 2676	ND
Acetamiprid	42 - 2736	ND		Methiocarb	47 - 2784	ND
Azoxystrobin	48 - 2669	ND		Methomyl	42 - 2775	ND
Bifenazate	47 - 2705	ND		MGK 264 1	132 - 1693	ND
Boscalid	50 - 2752	ND		MGK 264 2	110 - 1068	ND
Carbaryl	45 - 2704	ND		Myclobutanil	93 - 2714	ND
Carbofuran	45 - 2713	ND		Naled	46 - 2744	ND
Chlorantraniliprole	43 - 2842	ND		Oxamyl	43 - 2782	ND
Chlorpyrifos	47 - 2725	ND		Paclobutrazol	45 - 2756	ND
Clofentezine	268 - 2759	ND		Permethrin	278 - 2737	ND
Diazinon	280 - 2723	ND		Phosmet	42 - 2686	ND
Dichlorvos	255 - 2755	ND		Prophos	295 - 2783	ND
Dimethoate	42 - 2743	ND		Propoxur	45 - 2701	ND
E-Fenpyroximate	280 - 2753	ND		Pyridaben	300 - 2719	ND
Etofenprox	45 - 2650	ND		Spinosad A	34 - 2073	ND
Etoazole	307 - 2718	ND		Spinosad D	72 - 670	ND
Fenoxycarb	25 - 2756	ND		Spiromesifen	264 - 2755	ND
Fipronil	36 - 2773	ND		Spirotetramat	261 - 2774	ND
Flonicamid	50 - 2757	ND		Spiroxamine 1	20 - 1216	ND
Fludioxonil	305 - 2727	ND		Spiroxamine 2	25 - 1555	ND
Hexythiazox	43 - 2745	ND		Tebuconazole	312 - 2653	ND
Imazalil	282 - 2706	ND		Thiacloprid	44 - 2738	ND
Imidacloprid	42 - 2790	ND		Thiamethoxam	43 - 2764	ND
Kresoxim-methyl	47 - 2693	ND		Trifloxystrobin	46 - 2680	ND

Final Approval


 Karen Winternheimer
 14Sep2023
 08:36:00 AM MDT
 PREPARED BY / DATE


 Sam Smith
 14Sep2023
 08:38:00 AM MDT
 APPROVED BY / DATE

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Microbial Contaminants


Test ID: T000255688

Methods: TM25 (PCR) TM24, TM26, TM27 (Culture Plating)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval


Brianne Maillot
15Sep2023
09:34:00 AM MDT


Brett Hudson
15Sep2023
10:44:00 AM MDT

PREPARED BY / DATE

APPROVED BY / DATE


Heavy Metals


Test ID: T000255689

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.17	ND	
Cadmium	0.04 - 4.46	ND	
Mercury	0.04 - 4.30	ND	
Lead	0.04 - 4.38	ND	

Final Approval


Samantha Smith
15Sep2023
11:35:00 AM MDT


Karen Winternheimer
15Sep2023
11:42:00 AM MDT

PREPARED BY / DATE

APPROVED BY / DATE

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Mycotoxins


Test ID: T000255691


Methods: TM18 (UHPLC-QQQ)

LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.68 - 122.35	ND	N/A
Aflatoxin B1	0.94 - 31.11	ND	
Aflatoxin B2	1.00 - 31.11	ND	
Aflatoxin G1	1.03 - 31.84	ND	
Aflatoxin G2	1.19 - 31.96	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Karen Winternheimer
18Sep2023
12:04:00 PM MDT
PREPARED BY / DATE


Sam Smith
18Sep2023
12:07:00 PM MDT
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/08f1d367-70c2-4bc3-bd84-92ecb4ac36dd>

Definitions
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa * (0.877)) and Total CBD = CBD + (CBDa * (0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa * (0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU.

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