

Prepared for:

Bent Paddle Brewing Co

1912 W Michigan St.

Duluth, MN USA 55806

Finnegan Farm - Blueberry Lemon Haze

Batch ID or Lot Number: 040224-BL	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 4
Reported: 28Mar2024	Started: 28Mar2024	Received: 28Mar2024	

Cannabinoids

Test ID: T000275778

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.145	0.402	ND	ND	# of Servings = 1, Sample Weight=355g
Cannabichromenic Acid (CBCA)	0.133	0.368	ND	ND	
Cannabidiol (CBD)	0.401	1.211	ND	ND	
Cannabidiolic Acid (CBDA)	0.411	1.242	ND	ND	
Cannabidivarin (CBDV)	0.095	0.286	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.172	0.518	ND	ND	
Cannabigerol (CBG)	0.083	0.228	ND	ND	
Cannabigerolic Acid (CBGA)	0.345	0.954	ND	ND	
Cannabinol (CBN)	0.108	0.298	ND	ND	
Cannabinolic Acid (CBNA)	0.235	0.651	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.411	1.137	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.373	1.032	10.770	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.331	0.915	ND	ND	
Tetrahydrocannabivarin (THCV)	0.075	0.208	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.292	0.807	ND	ND	
Total Cannabinoids			10.770	0.00	
Total Potential THC			10.770	0.00	
Total Potential CBD			ND	ND	

Final Approval



Karen Winternheimer
28Mar2024
02:31:00 PM MDT

PREPARED BY / DATE



Phillip Travisano
28Mar2024
02:33:00 PM MDT

APPROVED BY / DATE

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Microbial Contaminants

Test ID: T000275780

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



Brett Hudson
01Apr2024
04:07:00 PM MDT



Brianne Maillot
02Apr2024
06:35:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE

Heavy Metals

Test ID: T000275781

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.84	ND	
Cadmium	0.05 - 4.86	ND	
Mercury	0.05 - 4.81	ND	
Lead	0.05 - 4.89	ND	

Final Approval



Phillip Travisano
01Apr2024
03:14:00 PM MDT



Colin Hendrickson
01Apr2024
04:54:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE

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Pesticides

Test ID: T000275779

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	299 - 2671	ND		Malathion	294 - 2751	ND
Acephate	42 - 2803	ND		Metalaxyl	46 - 2719	ND
Acetamiprid	43 - 2752	ND		Methiocarb	45 - 2811	ND
Azoxystrobin	46 - 2748	ND		Methomyl	43 - 2799	ND
Bifenazate	43 - 2719	ND		MGK 264 1	163 - 1658	ND
Boscalid	41 - 2797	ND		MGK 264 2	112 - 1103	ND
Carbaryl	41 - 2747	ND		Myclobutanil	48 - 2815	ND
Carbofuran	42 - 2713	ND		Naled	44 - 2731	ND
Chlorantraniliprole	49 - 2795	ND		Oxamyl	43 - 2820	ND
Chlorpyrifos	56 - 2769	ND		Paclobutrazol	40 - 2749	ND
Clofentezine	274 - 2752	ND		Permethrin	280 - 2796	ND
Diazinon	289 - 2729	ND		Phosmet	42 - 2606	ND
Dichlorvos	268 - 2766	ND		Prophos	286 - 2805	ND
Dimethoate	46 - 2757	ND		Propoxur	42 - 2727	ND
E-Fenpyroximate	257 - 2846	ND		Pyridaben	278 - 2743	ND
Etofenprox	43 - 2770	ND		Spinosad A	33 - 2116	ND
Etoxazole	277 - 2707	ND		Spinosad D	62 - 689	ND
Fenoxycarb	47 - 2750	ND		Spiromesifen	255 - 2769	ND
Fipronil	34 - 2836	ND		Spirotetramat	279 - 2838	ND
Flonicamid	57 - 2841	ND		Spiroxamine 1	16 - 1078	ND
Fludioxonil	293 - 2763	ND		Spiroxamine 2	25 - 1643	ND
Hexythiazox	42 - 2792	ND		Tebuconazole	297 - 2751	ND
Imazalil	272 - 2750	ND		Thiacloprid	45 - 2773	ND
Imidacloprid	46 - 2876	ND		Thiamethoxam	43 - 2835	ND
Kresoxim-methyl	51 - 2791	ND		Trifloxystrobin	44 - 2739	ND

Final Approval


Karen Winternheimer
08Apr2024
12:59:00 PM MDT
PREPARED BY / DATE


Phillip Travisano
08Apr2024
01:01:00 PM MDT
APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/4f44f4ce-4bd2-4d1d-ac08-217e42baf297>

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.

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



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