

Prepared for:
Bent Paddle Brewing Co

1912 W Michigan St.
Duluth, MN USA 55806

THC+ Mango Tango Base

Batch ID or Lot Number: 080323	Test: Potency	Reported: 04Aug2023	USDA License: N/A
Matrix: Unit	Test ID: T000251679	Started: 03Aug2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 04Aug2023	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.137	0.476	<LOQ	<LOQ	# of Servings = 1, Sample Weight=355g
Cannabichromenic Acid (CBCA)	0.126	0.436	ND	ND	
Cannabidiol (CBD)	0.464	1.272	4.910	0.00	
Cannabidiolic Acid (CBDA)	0.476	1.304	ND	ND	
Cannabidivarin (CBDV)	0.110	0.301	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.199	0.544	ND	ND	
Cannabigerol (CBG)	0.078	0.270	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.326	1.131	ND	ND	
Cannabinol (CBN)	0.102	0.353	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.222	0.771	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.388	1.347	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.353	1.223	4.960	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.313	1.084	ND	ND	
Tetrahydrocannabivarin (THCV)	0.071	0.246	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.276	0.956	ND	ND	
Total Cannabinoids			9.870	0.00	
Total Potential THC			4.960	0.00	
Total Potential CBD			4.910	0.00	

Final Approval



Karen Winternheimer
04Aug2023
04:14:00 PM MDT

PREPARED BY / DATE



Sam Smith
04Aug2023
04:16:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/18164865-330d-479f-8e06-0a45399c2dbd>

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.



Cert #4329.02
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Prepared for:
Bent Paddle Brewing Co
1912 W Michigan St.
Duluth, MN USA 55806

THC+ Mango Tangerine

Batch ID or Lot Number: 080323	Test: Pesticides	Reported: 03Aug2023	USDA License: NA
Matrix: Finished Product	Test ID: T000251078	Started: 02Aug2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 31Jul2023	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	405 - 2594	ND	Malathion	303 - 2745	ND
Acephate	38 - 2739	ND	Metalaxyl	43 - 2698	ND
Acetamiprid	41 - 2701	ND	Methiocarb	40 - 2731	ND
Azoxystrobin	46 - 2690	ND	Methomyl	39 - 2736	ND
Bifenazate	42 - 2685	ND	MGK 264 1	185 - 1690	ND
Boscalid	42 - 2763	ND	MGK 264 2	112 - 1093	ND
Carbaryl	38 - 2710	ND	Myclobutanil	30 - 2725	ND
Carbofuran	44 - 2694	ND	Naled	41 - 2674	ND
Chlorantraniliprole	39 - 2719	ND	Oxamyl	40 - 2747	ND
Chlorpyrifos	41 - 2733	ND	Pacllobutrazol	43 - 2700	ND
Clofentezine	294 - 2738	ND	Permethrin	307 - 2723	ND
Diazinon	301 - 2710	ND	Phosmet	43 - 2685	ND
Dichlorvos	279 - 2725	ND	Prophos	317 - 2737	ND
Dimethoate	43 - 2691	ND	Propoxur	42 - 2716	ND
E-Fenpyroximate	308 - 2765	ND	Pyridaben	313 - 2703	ND
Etofenprox	43 - 2718	ND	Spinosad A	30 - 2095	ND
Etoxazole	318 - 2725	ND	Spinosad D	72 - 666	ND
Fenoxycarb	42 - 2714	ND	Spiromesifen	302 - 2737	ND
Fipronil	51 - 2692	ND	Spirotetramat	327 - 2733	ND
Flonicamid	43 - 2744	ND	Spiroxamine 1	17 - 1242	ND
Fludioxonil	320 - 2720	ND	Spiroxamine 2	21 - 1511	ND
Hexythiazox	43 - 2750	ND	Tebuconazole	318 - 2716	ND
Imazalil	296 - 2740	ND	Thiacloprid	40 - 2696	ND
Imidacloprid	42 - 2739	ND	Thiamethoxam	39 - 2740	ND
Kresoxim-methyl	44 - 2723	ND	Trifloxystrobin	42 - 2699	ND

Final Approval



Karen Winternheimer
03Aug2023
01:15:00 PM MDT

PREPARED BY / DATE



Sam Smith
03Aug2023
01:18:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/823fabf4-7437-4d6d-9356-f41879c344fb>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

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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Prepared for:
Bent Paddle Brewing Co
1912 W Michigan St.
Duluth, MN USA 55806


THC+ Mango Tangerine

Batch ID or Lot Number: 080323	Test: Microbial Contaminants	Reported: 03Aug2023	USDA License: NA
Matrix: Finished Product	Test ID: T000251079	Started: 31Jul2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 31Jul2023	Status: NA

Microbial Contaminants

Contaminants	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
03Aug2023
10:19:00 AM MDT

PREPARED BY / DATE



Eden Thompson-Wright
03Aug2023
10:50:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/fc10c63a-e40e-4b7c-bf9b-a605c537b3ec>

Definitions

* 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
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

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Prepared for:
Bent Paddle Brewing Co
1912 W Michigan St.
Duluth, MN USA 55806


THC+ Mango Tangerine

Batch ID or Lot Number: 080323	Test: Heavy Metals	Reported: 07Aug2023	USDA License: NA
Matrix: Finished Product	Test ID: T000251080	Started: 07Aug2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 31Jul2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.70	ND	
Cadmium	0.05 - 4.60	ND	
Mercury	0.05 - 4.80	ND	
Lead	0.05 - 4.64	ND	

Final Approval


PREPARED BY / DATE
Sam Smith
07Aug2023
03:42:00 PM MDT


APPROVED BY / DATE
Karen Winternheimer
07Aug2023
03:45:00 PM MDT



<https://results.botanacor.com/api/v1/coas/uuid/7430bf84-e2de-4ec1-ad04-b5ea3eb6ff5d>

Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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