

Prepared for:

Bent Paddle Brewing Co

1912 W Michigan St. Duluth, MN USA 55806

CBD+ POG

Batch ID or Lot Number: 081623-POG	Test: Potency	Reported: 17Aug2023	USDA License: N/A	
Matrix: Unit	Test ID: T000253290	Started: 17Aug2023	Sampler ID: N/A	
	Method(s): TM14 (HPLC-DAD)	Received: 17Aug2023	Status: N/A	

Cannabinoids	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.214	0.488	0.820	0.00	# of Servings
Cannabichromenic Acid (CBCA)	0.195	0.447	ND	ND	Sample
Cannabidiol (CBD)	0.585	1.356	28.850	0.10	Weight=355g
Cannabidiolic Acid (CBDA)	0.600	1.391	ND	ND	
Cannabidivarin (CBDV)	0.138	0.321	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
Cannabidivarinic Acid (CBDVA)	0.250	0.580	ND	ND	•
Cannabigerol (CBG)	0.121	0.277	0.310	0.00	•
Cannabigerolic Acid (CBGA)	0.507	1.159	ND	ND	
Cannabinol (CBN)	0.158	0.362	ND	ND	
Cannabinolic Acid (CBNA)	0.346	0.791	ND	ND	•
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.604	1.381	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.549	1.254	2.530	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.486	1.111	ND	ND	•
Tetrahydrocannabivarin (THCV)	0.110	0.252	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.429	0.980	ND	ND	
Total Cannabinoids			32.510	0.10	•
Total Potential THC			2.530	0.00	
Total Potential CBD			28.850	0.10	•

Final Approval

PREPARED BY / DATE

Sam Smith 17Aug2023 03:57:00 PM MDT

APPROVED BY / DATE

Karen Winternheimer 17Aug2023 04:00:00 PM MDT



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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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Prepared for:

Bent Paddle Brewing Co

1912 W Michigan St. Duluth, MN USA 55806

081623 -POG

Batch ID or Lot Number: 081623 -POG	Test: Pesticides	Reported: 18Aug2023	USDA License: NA
Matrix:	Test ID:	Started:	Sampler ID:
Finished Product	T000252971	17Aug2023	NA
	Method(s):	Received:	Status:
	TM17 (LC-QQ LC MS/MS)	15Aug2023	NA

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	202 - 2627	ND
Acephate	44 - 2777	ND
Acetamiprid	41 - 2668	ND
Azoxystrobin	45 - 2726	ND
Bifenazate	43 - 2720	ND
Boscalid	44 - 2702	ND
Carbaryl	39 - 2721	ND
Carbofuran	42 - 2717	ND
Chlorantraniliprole	43 - 2673	ND
Chlorpyrifos	47 - 2827	ND
Clofentezine	276 - 2738	ND
Diazinon	286 - 2754	ND
Dichlorvos	273 - 2719	ND
Dimethoate	42 - 2677	ND
E-Fenpyroximate	293 - 2807	ND
Etofenprox	42 - 2713	ND
Etoxazole	292 - 2764	ND
Fenoxycarb	41 - 2710	ND
Fipronil	75 - 2626	ND
Flonicamid	48 - 2664	ND
Fludioxonil	307 - 2676	ND
Hexythiazox	40 - 2769	ND
Imazalil	271 - 2791	ND
Imidacloprid	51 - 2714	ND
Kresoxim-methyl	47 - 2741	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	282 - 2763	ND
Metalaxyl	44 - 2750	ND
Methiocarb	45 - 2694	ND
Methomyl	41 - 2701	ND
MGK 264 1	174 - 1643	ND
MGK 264 2	105 - 1078	ND
Myclobutanil	54 - 2664	ND
Naled	45 - 2741	ND
Oxamyl	43 - 2702	ND
Paclobutrazol	45 - 2714	ND
Permethrin	285 - 2790	ND
Phosmet	40 - 2734	ND
Prophos	294 - 2642	ND
Propoxur	41 - 2700	ND
Pyridaben	296 - 2749	ND
Spinosad A	32 - 2098	ND
Spinosad D	63 - 686	ND
Spiromesifen	278 - 2783	ND
Spirotetramat	283 - 2754	ND
Spiroxamine 1	17 - 1139	ND
Spiroxamine 2	21 - 1531	ND
Tebuconazole	289 - 2738	ND
Thiacloprid	44 - 2650	ND
Thiamethoxam	43 - 2706	ND
Trifloxystrobin	44 - 2695	ND

Final Approval

L Wintersheimer PREPARED BY / DATE

Karen Winternheimer 18Aug2023 11:06:00 AM MDT

APPROVED BY / DATE

Sam Smith 18Aug2023 11:10:00 AM MDT



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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

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Prepared for:

Bent Paddle Brewing Co

1912 W Michigan St. Duluth, MN USA 55806

081623 -POG

Batch ID or Lot Number: 081623 -POG	Test: Microbial Contaminants	Reported: 18Aug2023	USDA License: NA
Matrix:	Test ID:	Started:	Sampler ID:
Finished Product	T000252972	15Aug2023	NA
	Method(s):	Received:	Status:
	TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	15Aug2023	NA

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and
Salmonella	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	— foreign matter
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

PREPARED BY / DATE

Eden Thompson

Eden Thompson-Wright 18Aug2023 09:57:00 AM MDT

Buanne Maillot

Brianne Maillot 18Aug2023 12:24:00 PM MDT



APPROVED BY / DATE

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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

081623 -POG

Batch ID or Lot Number: 081623 -POG	Test: Heavy Metals	Reported: 21Aug2023	USDA License: NA
Matrix:	Test ID:	Started:	Sampler ID:
Finished Product	T000252973	21Aug2023	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	15Aug2023	NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.26	ND	
Cadmium	0.05 - 5.22	ND	
Mercury	0.04 - 4.45	ND	
Lead	0.05 - 5.12	ND	

Final Approval

PREPARED BY / DATE

Samantha Smoll

Sam Smith 21Aug2023 01:53:00 PM MDT

APPROVED BY / DATE

Karen Winternheimer 21Aug2023 05:11:00 PM MDT



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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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