

Prepared for:

Bent Paddle Brewing Co

1912 W Michigan St.

Duluth, MN USA 55806

THC+ Berry Stash

| | | | |
|--|---------------------------------------|------------------------|-------------|
| Batch ID or Lot Number: 031423 | Test, Test ID and Methods: Various | Matrix: Unit | Page 1 of 4 |
| Reported: 15Mar2023 | Started: 15Mar2023 | Received: 15Mar2023 | |

Cannabinoids

Test ID: T000238692

Methods: TM14 (HPLC-DAD)

| | LOD (mg) | LOQ (mg) | Result (mg) | Result (mg/g) | Notes |
|--|----------|----------|---------------|---------------|---|
| Cannabichromene (CBC) | 0.175 | 0.488 | ND | ND | # of Servings = 1, Sample Weight=355g |
| Cannabichromenic Acid (CBCA) | 0.160 | 0.446 | ND | ND | |
| Cannabidiol (CBD) | 0.470 | 1.321 | 5.570 | 0.00 | |
| Cannabidiolic Acid (CBDA) | 0.482 | 1.355 | ND | ND | |
| Cannabidivarin (CBDV) | 0.111 | 0.312 | ND | ND | |
| Cannabidivarinic Acid (CBDVA) | 0.201 | 0.565 | ND | ND | |
| Cannabigerol (CBG) | 0.099 | 0.277 | ND | ND | |
| Cannabigerolic Acid (CBGA) | 0.415 | 1.158 | ND | ND | |
| Cannabinol (CBN) | 0.130 | 0.361 | ND | ND | |
| Cannabinolic Acid (CBNA) | 0.283 | 0.790 | ND | ND | |
| Delta 8-Tetrahydrocannabinol (Delta 8-THC) | 0.494 | 1.380 | ND | ND | |
| Delta 9-Tetrahydrocannabinol (Delta 9-THC) | 0.449 | 1.253 | 5.730 | 0.00 | |
| Delta 9-Tetrahydrocannabinolic Acid (THCA-A) | 0.398 | 1.110 | ND | ND | |
| Tetrahydrocannabivarin (THCV) | 0.090 | 0.252 | ND | ND | |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.351 | 0.979 | ND | ND | |
| Total Cannabinoids | | | 11.300 | 0.00 | |
| Total Potential THC | | | 5.730 | 0.00 | |
| Total Potential CBD | | | 5.570 | 0.00 | |

Final Approval


 Sam Smith
 15Mar2023
 03:01:00 PM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 15Mar2023
 03:17:00 PM MDT
 APPROVED BY / DATE

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Pesticides

Test ID: T000238693

Methods: TM17

| (LC-QQ LC MS/MS) | Dynamic Range (ppb) | Result (ppb) | | Dynamic Range (ppb) | Result (ppb) | |
|---------------------|---------------------|--------------|--|---------------------|--------------|----|
| Abamectin | 346 - 2771 | ND | | Malathion | 302 - 2721 | ND |
| Acephate | 43 - 2762 | ND | | Metalaxyl | 47 - 2729 | ND |
| Acetamiprid | 42 - 2731 | ND | | Methiocarb | 44 - 2780 | ND |
| Azoxystrobin | 45 - 2755 | ND | | Methomyl | 41 - 2736 | ND |
| Bifenazate | 47 - 2752 | ND | | MGK 264 1 | 168 - 1665 | ND |
| Boscalid | 40 - 2797 | ND | | MGK 264 2 | 119 - 1123 | ND |
| Carbaryl | 43 - 2752 | ND | | Myclobutanil | 51 - 2791 | ND |
| Carbofuran | 43 - 2748 | ND | | Naled | 48 - 2751 | ND |
| Chlorantraniliprole | 44 - 2821 | ND | | Oxamyl | 42 - 2737 | ND |
| Chlorpyrifos | 46 - 2751 | ND | | Paclobutrazol | 43 - 2747 | ND |
| Clofentezine | 279 - 2777 | ND | | Permethrin | 273 - 2805 | ND |
| Diazinon | 280 - 2744 | ND | | Phosmet | 41 - 2737 | ND |
| Dichlorvos | 242 - 2766 | ND | | Prophos | 306 - 2757 | ND |
| Dimethoate | 43 - 2719 | ND | | Propoxur | 44 - 2744 | ND |
| E-Fenpyroximate | 285 - 2726 | ND | | Pyridaben | 298 - 2741 | ND |
| Etofenprox | 45 - 2804 | ND | | Spinosad A | 34 - 2266 | ND |
| Etoxazole | 296 - 2715 | ND | | Spinosad D | 51 - 495 | ND |
| Fenoxycarb | 44 - 2760 | ND | | Spiromesifen | 287 - 2712 | ND |
| Fipronil | 50 - 2786 | ND | | Spirotetramat | 273 - 2768 | ND |
| Flonicamid | 54 - 2797 | ND | | Spiroxamine 1 | 18 - 1190 | ND |
| Fludioxonil | 321 - 2737 | ND | | Spiroxamine 2 | 25 - 1568 | ND |
| Hexythiazox | 42 - 2718 | ND | | Tebuconazole | 295 - 2754 | ND |
| Imazalil | 293 - 2758 | ND | | Thiacloprid | 42 - 2730 | ND |
| Imidacloprid | 47 - 2711 | ND | | Thiamethoxam | 43 - 2729 | ND |
| Kresoxim-methyl | 23 - 2792 | ND | | Trifloxystrobin | 44 - 2761 | ND |

Final Approval


Karen Winternheimer
17Mar2023
07:43:00 AM MDT
PREPARED BY / DATE


Sam Smith
17Mar2023
07:45:00 AM MDT
APPROVED BY / DATE

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Microbial Contaminants

Test ID: T000238694

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

| | | | |
|--|--|---|---|
|  | Eden Thompson-Wright 18Mar2023 12:41:00 PM MDT |  | Brianne Maillot 19Mar2023 12:30:00 PM MDT |
| PREPARED BY / DATE | | APPROVED BY / DATE | |

Heavy Metals

Test ID: T000238695

Methods: TM19 (ICP-MS): Heavy

| Metals | Dynamic Range (ppm) | Result (ppm) | Notes |
|---------|---------------------|--------------|-------|
| Arsenic | 0.04 - 4.42 | ND | |
| Cadmium | 0.04 - 4.40 | ND | |
| Mercury | 0.04 - 4.47 | ND | |
| Lead | 0.04 - 4.39 | ND | |

Final Approval

| | | | |
|--|---|---|---|
|  | Sam Smith 20Mar2023 07:29:00 AM MDT |  | Karen Winternheimer 20Mar2023 07:36:00 AM MDT |
| PREPARED BY / DATE | | APPROVED BY / DATE | |

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<https://results.botanacor.com/api/v1/coas/uuid/73e1ed50-3897-4d23-8aad-cecf5f6e4505>

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 Accredited by A2LA. 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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