

**Certificate of Analysis for**

Botanical Brewing Co  
839 Miramar St  
Cape Coral, FL 33904  
Phone: (239) 265-3979

Received: 2/21/2023 @ 10.8 °C  
Report ID: 2302725

**Sample ID:** 2302725-001 **Description:** Island Breeze - Exp 8-4-23 Batch #668

**ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 02/21/23**

Aerobic Plate Count	10	CFU/g
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**CC.1a: CC by mass via AOAC 991.14, 998.03 (Petrifilm™) Analyzed 02/21/23**

Total Coliform Bacteria	< 10	CFU/g
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**EC.1a: EC by mass via AOAC 991.14, 998.08 (Petrifilm™) Analyzed 02/21/23**

Escherichia coli	< 10	CFU/g
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**ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 02/24/23**

Arsenic (As)	< 0.020	mg/kg (ppm)	Cadmium (Cd)	< 0.010	mg/kg (ppm)
Lead (Pb)	< 0.005	mg/kg (ppm)	Mercury (Hg)	< 0.005	mg/kg (ppm)

**MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 02/22/23**

7-Hydroxymitragynine	< 1.00	mg/355mL	Isorhynchophylline	< 1.00	mg/355mL
Mitragynine	16.7	mg/355mL	Mitraphylline	< 1.00	mg/355mL
Paynantheine	3.11	mg/355mL	Speciociliatine	3.76	mg/355mL
Speciogynine	2.08	mg/355mL	Total Alkaloids	25.7	mg/355mL

**Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 02/21/23**

Salmonella spp.	Negative	/25 g
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**STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 02/21/23**

Staphylococcus aureus	< 10	CFU/g
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**STEC.1: E. coli (O157:H7, O26, O45, O103, O111, O121, O145) via AOAC 091301 (BAX® PCR, STEC Screen) Analyzed 02/21/23**

Shiga toxin-producing E. coli	Negative	/25 g
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Reported By: \_\_\_\_\_

Ryan Connelly, Chemistry Laboratory Manager, 2/24/2023