



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: 2302725-004 **Description:** Orange Dream - Exp 8-11-23 Batch #651

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)

Kava.1: USP - Content of Kavalactones by HPLC Analyzed 02/22/23

Desmethoxyyangonin	4.56	mg/355mL	Dihydrokawain	23.5	mg/355mL
Dihydromethysticin	9.17	mg/355mL	Kawain	13.7	mg/355mL
Methysticin	3.85	mg/355mL	Total Kavalactones	58.3	mg/355mL
Yangonin	3.49	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