



Certificate of Analysis for

Industrial Sonomechanics
7440 SW 50th Terrace #110
Miami, FL 33155
Phone: (786) 233-9255

Received: 2/15/2023 @ 5.6 °C
Report ID: 2302556

Sample ID: 2302556-001

Sample Description: Water Soluble Kratom: Effervescent Tablets

AC.1a: AC by mass via AOAC 990.12 (Petrifilm™) Analyzed 02/15/23

Aerobic Plate Count	< 10	CFU/g
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TC.1a: TC by mass via AOAC 991.14, 998.03 (Petrifilm™) Analyzed 02/15/23

Total Coliform Bacteria	< 10	CFU/g
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EC.1a: EC by mass via AOAC 991.14, 998.08 (Petrifilm™) Analyzed 02/15/23

Escherichia coli	< 10	CFU/g
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ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 02/21/23

Arsenic (As)	< 0.020	mg/kg (ppm)	Cadmium (Cd)	< 0.010	mg/kg (ppm)
Lead (Pb)	0.013	mg/kg (ppm)	Mercury (Hg)	< 0.005	mg/kg (ppm)

MIT.1: Mitragynine via AOAC 2017.14 Analyzed 02/20/23

7-Hydroxymitragynine	< 0.100	mg/tablet	Mitragynine	50.6	mg/tablet
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ResSolv.1: Residual Solvents by Headspace GC/MS (VF-624MS) Analyzed 02/16/23

1,2-Dichloroethane	< 2	mg/kg (ppm)	2-Propanol	< 50	mg/kg (ppm)
Acetone	< 50	mg/kg (ppm)	Acetonitrile	< 50	mg/kg (ppm)
Benzene	< 2	mg/kg (ppm)	Chloroform	< 50	mg/kg (ppm)
Cyclohexane	< 50	mg/kg (ppm)	Diethyl ether	< 50	mg/kg (ppm)
Ethanol	< 50	mg/kg (ppm)	Ethyl Acetate	< 50	mg/kg (ppm)
Heptane	< 50	mg/kg (ppm)	Hexane	< 50	mg/kg (ppm)
Methanol	< 50	mg/kg (ppm)	Methylene Chloride	< 50	mg/kg (ppm)
N,N-Dimethylformamide	< 10	mg/kg (ppm)	Pentane	< 50	mg/kg (ppm)
Toluene	< 50	mg/kg (ppm)	Trichloroethene	< 50	mg/kg (ppm)
Xylenes (p-, m-, o-)	< 50	mg/kg (ppm)			

Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 02/15/23

Salmonella spp.	Negative	/1 g
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STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 02/15/23

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 02/15/23

Shiga toxin-producing E. coli	Negative	/1 g
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YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 02/15/23

Yeast and Mold	< 10	CFU/g
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Report ID 2302556 has been amended as follows: Alkaloid results were calculated on a tablet basis (2.75g per tablet).

RPC 2-24-23

Reported By: _____

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