



# Certificate of Analysis for

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

Received: 4/5/2024 @ 23.6 °C  
Report ID: 2404268

**Sample ID:** 2404268-001

**Sample Description:** Water Soluble Kratom Extract MS19

**ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 04/05/24**

Aerobic Plate Count	< 10	CFU/g
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**CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 04/05/24**

Total Coliform Bacteria	< 10	CFU/g
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**ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 04/05/24**

Escherichia coli	< 10	CFU/g
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**ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 04/10/24**

Arsenic (As)	< 0.020	mg/kg (ppm)	Cadmium (Cd)	< 0.010	mg/kg (ppm)
Lead (Pb)	0.007	mg/kg (ppm)	Mercury (Hg)	< 0.005	mg/kg (ppm)

**MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 04/09/24**

7-Hydroxymitragynine	< 0.100	%	Isorhynchophylline	< 0.100	%
Mitragynine	9.62	%	Mitraphylline	< 0.100	%
Paynantheine	1.39	%	Speciociliatine	0.421	%
Speciogynine	0.710	%	Total Alkaloids	12.1	%

**ResSolv.1: Residual Solvents by Headspace GC/MS (VF-624MS) Analyzed 04/09/24**

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 04/05/24**

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 04/05/24**

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 04/05/24**

Shiga toxin-producing E. coli	Negative	/1 g
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**YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 04/05/24**


Yeast and Mold	< 10	CFU/g
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Reported By:  Ryan Connelly, Chemistry Laboratory Manager, 4/10/2024

