

**Certificate of Analysis for**

1836 Kratom
1501 Panther Lp 7A
Pflugerville, TX 78660
Phone: (512) 704-3680

Received: 4/6/2023 @ 18.8 °C
Report ID: 2304241

Sample ID: 2304241-001 **Description:** Lazy Luau - Lot SSL0002

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 04/06/23

Aerobic Plate Count < 10 CFU/g

CC.1a: CC by mass via AOAC 991.14, 998.03 (Petrifilm™) Analyzed 04/06/23

Total Coliform Bacteria < 10 CFU/g

EC.1a: EC by mass via AOAC 991.14, 998.08 (Petrifilm™) Analyzed 04/06/23

Escherichia coli < 10 CFU/g

ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 04/11/23

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 04/10/23

Desmethoxyyangonin	27.6	mg/fl. oz.	Dihydrokawain	87.1	mg/fl. oz.
Dihydromethysticin	32.6	mg/fl. oz.	Kawain	75.8	mg/fl. oz.
Methysticin	33.7	mg/fl. oz.	Total Kavalactones	278	mg/fl. oz.
Yangonin	20.8	mg/fl. oz.			

MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 04/11/23

7-Hydroxymitragynine	< 0.100	mg/fl. oz.	Isorhynchophylline	< 0.100	mg/fl. oz.
Mitragynine	28.6	mg/fl. oz.	Mitraphylline	< 0.100	mg/fl. oz.
Paynantheine	4.15	mg/fl. oz.	Speciociliatine	2.51	mg/fl. oz.
Speciogynine	2.77	mg/fl. oz.	Total Alkaloids	38.0	mg/fl. oz.

ResSolv.1: Residual Solvents by Headspace GC/MS (VF-624MS) Analyzed 04/10/23

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 04/06/23

Salmonella spp. Negative /25 g

STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 04/06/23

Staphylococcus aureus < 10 CFU/g

STEC.1: E. coli (O157:H7, O26, O45, O103, O111, O121, O145) via AOAC 091301 (BAX® PCR, STEC Screen) Analyzed 04/06/23

Shiga toxin-producing E. coli Negative /25 g



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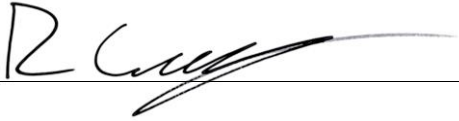
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YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed

04/06/23

Yeast and Mold < 10 CFU/g

Reported By:  Ryan Connelly, Chemistry Laboratory Manager, 4/13/2023