

**Certificate of Analysis for**

Club 13 Enterprises  
8165 State Rd 207  
Hastings, FL 32145  
Phone: (877) 922-5783

Received: 5/7/2024 @ 18.9 °C  
Report ID: 2405324

**Sample ID:** 2405324-003 S13E3050624.1

**ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 05/13/24**

Arsenic (As)	< 0.020	mg/kg (ppm)	Cadmium (Cd)	< 0.010	mg/kg (ppm)
Lead (Pb)	0.107	mg/kg (ppm)	Mercury (Hg)	< 0.005	mg/kg (ppm)

**MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 05/13/24**

7-Hydroxymitragynine	< 0.100	%	Isorhynchophylline	< 0.100	%
Mitragynine	47.0	%	Mitraphylline	< 0.100	%
Paynantheine	9.66	%	Speciociliatine	6.48	%
Speciogynine	5.66	%	Total Alkaloids	68.8	%

**ResSolv.1: Residual Solvents by Headspace GC/MS (VF-624MS) Analyzed 05/09/24**

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	671	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)			

Reported By: \_\_\_\_\_

Ryan Connelly, Chemistry Laboratory Manager, 5/14/2024