



# Certificate of Analysis for

## Analyses Pending

Club 13 Enterprises

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Received: 3/19/2024 @ 21.7 °C

Report ID: 2403751

**Sample ID:** 2403751-001**Sample Description:** S13E3031823**MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 03/22/24**

7-Hydroxymitragynine	< 0.100	%	Isorhynchophylline	< 0.100	%
Mitragynine	46.4	%	Mitraphylline	< 0.100	%
Paynantheine	10.0	%	Speciociliatine	8.96	%
Speciogynine	6.05	%	Total Alkaloids	71.4	%

**ResSolv.1: Residual Solvents by Headspace GC/MS (VF-624MS) Analyzed 03/21/24**

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	457	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, 3/22/2024