

**Certificate of Analysis for**

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

Received: 5/1/2024 @ 23.4 °C
Report ID: 2405042

Sample ID: 2405042-001 S13E2042324

ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 05/03/24

| | | | | | |
|--------------|-------|-------------|--------------|---------|-------------|
| Arsenic (As) | 0.041 | mg/kg (ppm) | Cadmium (Cd) | < 0.010 | mg/kg (ppm) |
| Lead (Pb) | 0.022 | mg/kg (ppm) | Mercury (Hg) | < 0.005 | mg/kg (ppm) |

MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 05/06/24

| | | | | | |
|----------------------|---------|---|--------------------|---------|---|
| 7-Hydroxymitragynine | < 0.100 | % | Isorhynchophylline | < 0.100 | % |
| Mitragynine | 32.0 | % | Mitraphylline | < 0.100 | % |
| Paynantheine | 6.93 | % | Speciociliatine | 4.52 | % |
| Speciogyneine | 4.16 | % | Total Alkaloids | 47.6 | % |

ResSolv.1: Residual Solvents by Headspace GC/MS (VF-624MS) Analyzed 05/03/24

| | | | | | |
|-----------------------|------|-------------|--------------------|------|-------------|
| 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 | 610 | 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, 5/7/2024