



## Certificate of Analysis for

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

Received: 5/3/2022 @ 18.4 °C  
Report ID: 2205067

Sample ID	Analyzed	Sample Description	Analysis	Result	Units	Method Code
2205067-013	5/5/2022	GV030222-H.5	Arsenic (As)	0.169	mg/kg (ppm)	ICPMS.1
	5/5/2022		Cadmium (Cd)	0.015	mg/kg (ppm)	ICPMS.1
	5/5/2022		Lead (Pb)	0.702	mg/kg (ppm)	ICPMS.1
	5/5/2022		Mercury (Hg)	0.012	mg/kg (ppm)	ICPMS.1
	5/4/2022		7-Hydroxymitragynine	0.001	%	MIT.2
	5/4/2022		Isorhynchophylline	< 0.100	%	MIT.2
	5/4/2022		Mitragynine	1.44	%	MIT.2
	5/4/2022		Mitraphylline	< 0.100	%	MIT.2
	5/4/2022		Paynantheine	0.256	%	MIT.2
	5/4/2022		Speciociliatine	0.334	%	MIT.2
	5/4/2022		Speciogynine	0.179	%	MIT.2
	5/4/2022		Total Alkaloids	2.21	%	MIT.2
	5/3/2022		Salmonella spp.	Negative	/25 g	Salm.1a
	5/3/2022		Shiga toxin-producing E. coli	Negative	/25 g	STEC.1.a
	5/3/2022		stx and eae genes	Negative	/25 g	STEC.1.a
	5/3/2022		Aerobic Plate Count	200	CFU/g	AC.1a
	5/3/2022		Enterobacteriaceae	< 100	CFU/g	EB.1a
	5/3/2022		Yeast and Mold	< 100	CFU/g	YM.1a

Reported By:

Ryan Connelly, Chemistry Laboratory Manager, 5/9/2022

### Methodology:

AC.1a : AC by mass via AOAC 990.12 (Petrifilm™) Prep: Initial Dilution  
ICPMS.1 : Metals via FDA - EAM:2008 (ICP/MS) Prep: Digestion, Microwave  
Salm.1a : Salmonella via AOAC 081201, 2013.02 (BAX® PCR System)  
YM.1a : YM by mass via AOAC RI 121301 (Petrifilm™) Prep: Initial Dilution

EB.1a : EB by mass via AOAC 2003.01 (Petrifilm™) Prep: Initial Dilution  
MIT.2 : Kratom Alkaloids via HPLC-DAD  
STEC.1.a : Shiga toxin (stx) & Intimin (eae) genes via AOAC 091301 (BAX® PCR System, STEC Screen)