



MURRAY-BROWN
LABORATORIES, INC.
Beyond the Raw Data

Certificate of Analysis for

Empowered Creations, LLC
321 W Ben White Blvd Suite 103
Austin, TX 78704
Phone: (830) 660-9770

Received: 5/15/2023 @ 18.1 °C
Report ID: 2305614

Sample ID: 2305614-001 **Description:** GUD Tonics 51123A (Potency)

Kava.1: USP - Content of Kavalactones by HPLC Analyzed 05/16/23


Desmethoxyyangonin	3.20	mg/2 fl. oz.	Dihydrokawain	10.7	mg/2 fl. oz.
Dihydromethysticin	4.38	mg/2 fl. oz.	Kawain	11.3	mg/2 fl. oz.
Methysticin	4.08	mg/2 fl. oz.	Total Kavalactones	36.1	mg/2 fl. oz.
Yangonin	2.44	mg/2 fl. oz.			

MIT.1: Mitragynine via AOAC 2017.14 Analyzed 05/19/23

7-Hydroxymitragynine	< 0.100	mg/2 fl. oz.	Mitragynine	40.9	mg/2 fl. oz.
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Mitragynine concentration includes Paynantheine at approximately 5 - 20% of the total mitragynine concentration.

RPC 5-22-23

Reported By:  Ryan Connelly, Chemistry Laboratory Manager, 5/22/2023




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Received: 7/13/2023 @ 23.9 °C
 Report ID: 2307426

Sample ID	Analyzed	Sample Description	Analysis	Result	Units	Method Code
2307426-001	7/13/2023	Kava Extract Paste CJ220310KE70	Desmethoxyyangonin	6.30	%	Kava.1
	7/13/2023		Dihydrokawain	19.7	%	Kava.1
	7/13/2023		Dihydromethysticin	7.87	%	Kava.1
	7/13/2023		Kawain	20.6	%	Kava.1
	7/13/2023		Methysticin	8.00	%	Kava.1
	7/13/2023		Total Kavalactones	66.3	%	Kava.1
	7/13/2023		Yangonin	3.82	%	Kava.1

Reported By:  Ryan Connelly, Chemistry Laboratory Manager, 7/14/2023

Methodology:

Kava.1 : USP Monograph for Piper methysticum Root - Content of Kavalactones by HPLC-UV