

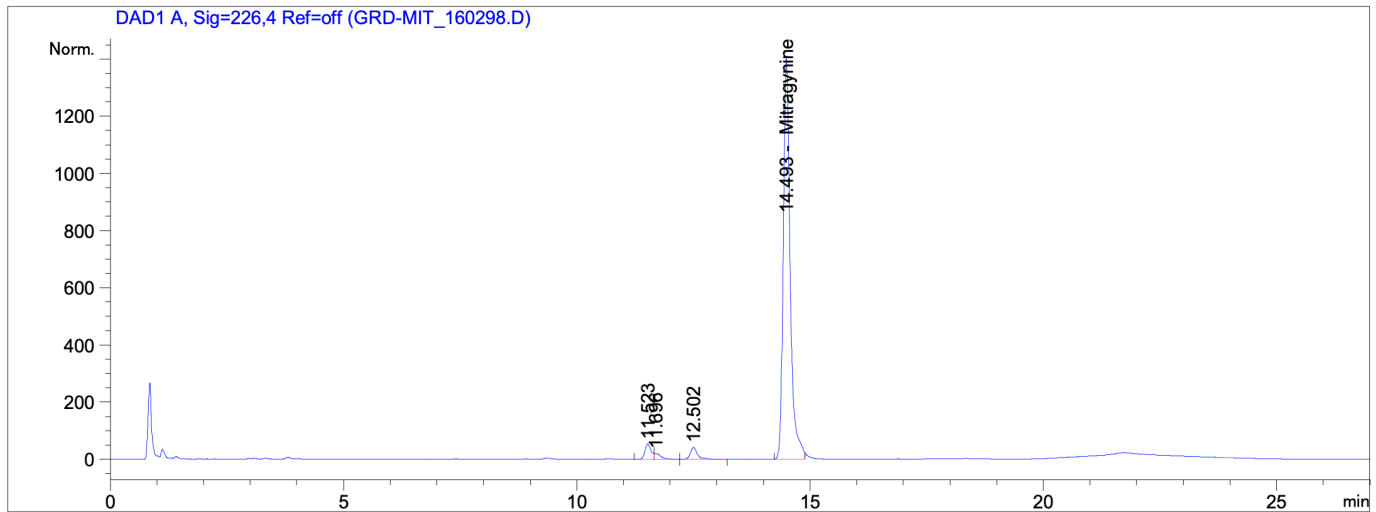


# Certificate of Analysis

15 APRIL 2024  
TKDSHTWML450 / MIT / 465FD



<b>CLIENT:</b>	<b>MADEWELL</b>	<b>SAMPLE SET:</b>	<b>MWC-240410-A</b>
Sample Type:	Liquid	Date Acquired:	04/12/2024
Sample Weight:	2mL	Acquisition Method:	MIT-EVO_R2024-01
Dilution:	0.1	Testing ID:	GRD-MIT_160298.D
Vial:	Vial 42	Date Processed:	04/12/2024
Injection Volume:	5.0 µl	Run Time:	27 min
Prepped By:	Sarah T.	Calibration ID:	20240105



#	Analyte	RT (min)	Area (mAU*s)	Amt (µg/mL)	Alkaloid	Total %
1	Mitragynine	14	14424	746	C <sub>23</sub> H <sub>30</sub> N <sub>2</sub> O <sub>4</sub>	.746
2	7-Hydroxymitragynine	6	N/D	N/D	C <sub>23</sub> H <sub>30</sub> N <sub>2</sub> O <sub>5</sub>	N/D
3	Paynantheine	10	511	25	C <sub>23</sub> H <sub>28</sub> N <sub>2</sub> O <sub>4</sub>	0.03
4	Speciogynine	11	206	10	C <sub>23</sub> H <sub>30</sub> N <sub>2</sub> O <sub>4</sub>	0.01
5	Speciociliatine	12	447	22	C <sub>23</sub> H <sub>30</sub> N <sub>2</sub> O <sub>4</sub>	0.02
6						

Mitragynine Content: **7.5** mg/mL  
SEVEN PERIOD FIVE

Adulterants (Y/N): **None Detected**

Identity Confirmed: **YES**

**SEAL OF AUTHENTICITY**

VERIFIED BY: *[Signature]*

Quality Assurance: *[Signature]*