



Analytical Resource Laboratories

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## Certificate of Analysis

### Client Information

Golden Rule Botanicals  
725 W. Indian School Road Ste 130  
Phoenix, AZ  
85013 USA  
480-208-0152

### Sample Information

ARL ID: 627822  
Date Received: 9/9/2022  
PO#: 2022-24MIT  
Description: WT  
Lot#: 24

Analysis	Method	†MDL / LOQ	Specification	Results	UOM	Lab ID
Mitragynine Package	HPLC 2.046					1
Mitragynine	HPLC 2.046	0.03	Record Only	1.23	%	1
7-Hydroxy-Mitragynine	HPLC 2.046	0.04	Record Only	<0.04	%	1

Form# arlcoa031201a

Printed on: Sep 23, 2022 1:35 PM

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*Spencer Ashby*

Released by: Spencer Ashby  
Sep 23, 2022  
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†**Method Detection Limit (MDL)**: In microbiological testing, this is the minimum level of growth that can be detected with confidence. If a result is reported as "None detected", it means any visible growth was below this limit. **Limit of Quantitation (LOQ)**: In analytical chemistry testing, this is the minimum level of the desired analyte that can be quantified with confidence. If a result is reported as less than LOQ, it means any detected amount was too small to report an exact number.

\* Under accreditation number 77504, ARL is an ISO/IEC 17025:2017 Accredited Laboratory. Uncertainty data for ISO-scoped methods is available upon request. Certificate and scope are also available upon request.

This Certificate of Analysis represents data only for the sample provided and does not constitute a guarantee of quality for the entire production lot.