

# Certificate of Analysis



## Customer Information

**Client:** MitraMan Botanicals  
**Attention:** (512) 200-1032  
**Address:** PO Box 8305  
 Round Rock, TX 78683

## Testing Facility

**Lab:** Cora Science, LLC  
**Address:** 8000 Anderson Square, STE 113  
 Austin, Texas 78757  
**Contact:** info@corascience.com  
 (512) 856-5007

## Sample Image(s)



## Sample Information

**Name:** Red Horn  
**Lot Number:** 0424  
**Description:** Finely ground plant material  
**Condition:** Good  
**Job ID:** ISO01864  
**Sample ID:** I04051  
**Received:** 26MAR2024  
**Completed:** 30MAR2024  
**Issued:** 01APR2024

## Test Results

### Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 29MAR2024 | 2134

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.84	w/w%	0.011	N/A
7-Hydroxymitragynine	Report Results	0.012	w/w%	0.003	N/A
Paynantheine	Report Results	0.347	w/w%	0.011	N/A
Speciogynine	Report Results	0.264	w/w%	0.011	N/A
Speciociliatine	Report Results	0.295	w/w%	0.011	N/A
Total Mitragyna Alkaloids	Report Results	2.76	w/w%	0.011	N/A

### Microbiological Examination

Method Code: T005

Tested: 26MAR2024 | 1254

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU/gram	12,700	CFU/gram	20 CFU/gram	PASS
Total Yeast & Mold	100,000 CFU/gram	16,500	CFU/gram	20 CFU/gram	PASS
Total Coliforms	10,000 CFU/gram	3,000	CFU/gram	20 CFU/gram	PASS
Escherichia coli	Not Detected in 10 grams	Not Detected	N/A	1 CFU/10 grams	PASS
Salmonella	Not Detected in 25 grams	Not Detected	N/A	1 CFU/25 grams	PASS

### Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 30MAR2024 | 1633

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 10	0.53	ug/day	0.25	PASS
Cadmium	NMT 4.1	0.11	ug/day	0.049	PASS
Lead	NMT 6.0	1.4	ug/day	0.049	PASS
Mercury	NMT 2.0	0.23	ug/day	0.049	PASS

## Additional Report Notes

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T301 performed by a registered outsourcing facility. T301 result, unit, and LOQ converted from ug/g to ug/day using a maximum permitted daily exposure of 5.0 g/day.

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## Revision History

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rev 00 - Initial release.

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## Abbreviations

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**ID:** identification, **N/A:** not applicable, **LOQ:** limit of quantitation, **CFU:** colony forming units, **w/w%:** weight by weight percent, **mg:** milligrams, **g:** grams, **ug:** micrograms, **mL:** milliliters, **ND:** not detected, **<LOQ:** below limit of quantitation, **NMT:** no more than, **NLT:** no less than, **UHPLC:** ultra-high performance liquid chromatography, **GC:** gas chromatography, **DAD:** diode array detection/detector, **MS:** mass spectroscopy/spectrometer, **ICP:** inductively coupled plasma, **ISO:** International Organization for Standardization, **USP:** United States Pharmacopeia

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## Authorization

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This report has been authorized for release from Cora Science by:

**Signature:**



**Position:**

Laboratory Director

**Department:**

Management

**Name:**

Tyler West

**Date:**

01APR2024