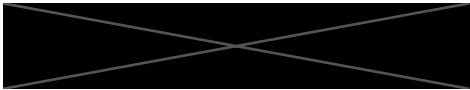





Certificate of Analysis



Customer Information

**Client:** Happy Hippo LLC  
**Attention:**   
**Address:**   
Meridian, ID 83642


Testing Facility

**Lab:** Cora Science, LLC  
**Address** 8000 Anderson Square, STE 113  
Austin, Texas 78757  
**Contact:**   


Sample Image(s)



Sample Information

**Name:** Y.SUM-1-12 SLEEPY097  
**Lot Number:**  024  
**Description:** Finely ground plant material  
**Condition:** Good  
**Job ID:** ISO02937  
**Sample ID:** I07422  
**Received:** 10DEC2024  
**Completed:** 16DEC2024  
**Issued:** 17DEC2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD) Method Code: T102 Tested: 16DEC2024 | 1803

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.33	w/w%	0.011	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.003	N/A
Paynantheine	Report Results	0.238	w/w%	0.011	N/A
Speciogynine	Report Results	0.186	w/w%	0.011	N/A
Speciociliatine	Report Results	0.374	w/w%	0.011	N/A
Total Mitragyna Alkaloids	Report Results	2.13	w/w%	0.011	N/A

Elemental Impurities (ICP-MS) Method Code: T301 Tested: 12DEC2024 | 1410

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.645	ug/g	0.006	PASS
Cadmium	NMT 0.50	<LOQ	ug/g	0.002	PASS
Mercury	NMT 0.20	0.012	ug/g	0.002	PASS
Lead	NMT 5.00	0.410	ug/g	0.002	PASS

Microbiological Examination Method Code: T005 Tested: 11DEC2024 | 1538

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU / g	200	CFU/g	20 CFU / g	PASS
Total Yeast and Mold	100,000 CFU / g	Not Detected	CFU/g	20 CFU / g	PASS
Total Coliforms	10,000 CFU / g	Not Detected	CFU/g	20 CFU / g	PASS
Escherichia coli	Not Detected in 10 g	Not Detected	N/A	1 CFU / 10 g	PASS
Salmonella	Not Detected in 25 g	Not Detected	N/A	1 CFU / 25 g	PASS

This report, prepared by Cora Science, LLC, shall not be reproduced except in its entirety without prior written approval. All test articles are analyzed as received and the results relate only to the specific sample of material or product analyzed. Test methods are performed in a laboratory accredited to ISO/IEC 17025:2017 in the field of testing by PJLA (Accreditation #116374) or a registered outsourcing facility. Some test methods reported may fall outside the scope of L22-250 supplement.

# Additional Report Notes

N/A

# Revision History

rev 00 - Initial release.

# Abbreviations

**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

# Authorization

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

<b>Signature:</b>		<b>Position:</b>	Laboratory Director
		<b>Department:</b>	Management
<b>Name:</b>	Tyler West	<b>Date:</b>	17DEC2024