

# Certificate of Analysis



## Customer Information

**Client:** Happy Hippo LLC  
**Attention:** [REDACTED]  
**Address:** 2145 E Pine Ave  
 Meridian, ID 83642

## Testing Facility

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

## Sample Image(s)



## Sample Information

**Name:** SUNSHINE HIPPO (339) YMD-1-8  
**Lot Number:** [REDACTED]-0125  
**Description:** Finely ground plant material  
**Condition:** Good  
**Job ID:** ISO03414  
**Sample ID:** I08732  
**Received:** 24FEB2025  
**Completed:** 02MAR2025  
**Issued:** 03MAR2025

## Test Results

### Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 02MAR2025 | 0056

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.348	w/w%	0.011	N/A
7-Hydroxymitragynine	Report Results	0.005	w/w%	0.003	N/A
Paynantheine	Report Results	0.248	w/w%	0.011	N/A
Speciogynine	Report Results	0.190	w/w%	0.011	N/A
Speciociliatine	Report Results	0.342	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: 26FEB2025 | 1258

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.217	ug/g	0.006	PASS
Cadmium	NMT 0.50	0.019	ug/g	0.002	PASS
Mercury	NMT 0.20	0.022	ug/g	0.002	PASS
Lead	NMT 5.00	0.440	ug/g	0.002	PASS

### Microbiological Examination

Method Code: T005

Tested: 26FEB2025 | 1520

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU / g	2,047	CFU/g	20 CFU / g	PASS
Total Yeast and Mold	100,000 CFU / g	60	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

## Additional Report Notes

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N/A

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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:**

03MAR2025