



**PRIMO**  
• BOTANICALS •

**Batch: PNK0301**

<b>Mitragynine (%)</b>	1.30
<b>7-HydroxyMitragynine (%)</b>	<LOQ
<b>Paynantheine (%)</b>	0.24
<b>Speciogynine (%)</b>	0.19
<b>Speciociliatine (%)</b>	0.34
<b>Total Alkaloids (%)</b>	2.06
<b>Heavy Metals</b>	PASS
<b>Microbial</b>	PASS

## **Certificate of Analysis Summary:**

This document summarizes the average lab results from the two batches used to create Nightshade (Batch PNK0301), a homogeneous blend of Primo Botanicals' Premium Red and Green Kratom.

The alkaloid content listed reflects a weighted average based on the lab-tested potency and proportional contribution of each component.

Each component was tested prior to formulation to ensure they meet our quality and safety standards. Certificates of Analysis for the contributing batches are provided below.

Certificate of Analysis



Customer Information

**Client:** Primo Botanicals LLC  
**Attention:**  
**Address:** 12094 Anderson Road #117  
Tampa, FL 33625

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:** Premium Green Kratom  
**Lot Number:** PGK01280  
**Description:** Finely ground plant material  
**Condition:** Good  
**Job ID:** ISO03071  
**Sample ID:** I07885  
**Received:** 06JAN2025  
**Completed:** 08JAN2025  
**Issued:** 13JAN2025

Test Results

Mitragyna Alkaloids (UHPLC-DAD)Method Code: T102Tested: 07JAN2025 | 1857

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.47	w/w%	0.011	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.003	N/A
Paynantheine	Report Results	0.269	w/w%	0.011	N/A
Speciogynine	Report Results	0.205	w/w%	0.011	N/A
Speciociliatine	Report Results	0.327	w/w%	0.011	N/A
Total Mitragyna Alkaloids	Report Results	2.27	w/w%	0.011	N/A

Elemental Impurities (ICP-MS)Method Code: T301Tested: 07JAN2025 | 1621

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.155	ug/g	0.006	PASS
Cadmium	NMT 0.50	0.019	ug/g	0.002	PASS
Mercury	NMT 0.20	<LOQ	ug/g	0.002	PASS
Lead	NMT 5.00	0.901	ug/g	0.002	PASS

Microbiological ExaminationMethod Code: T005Tested: 06JAN2025 | 1251

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

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# Additional Report Notes

N/A

# Revision History

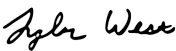
rev 00 - Initial release.

# 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>	13JAN2025

Certificate of Analysis



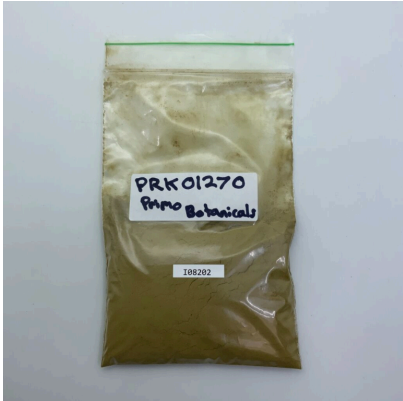
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Austin, Texas 78757  
**Contact:** info@corascience.com  
(512) 856-5007

Sample Image(s)



Sample Information

**Name:** Premium Red Kratom  
**Lot Number:** PRK01270  
**Description:** Finely ground plant material  
**Condition:** Good  
**Job ID:** ISO03211  
**Sample ID:** I08202  
**Received:** 28JAN2025  
**Completed:** 31JAN2025  
**Issued:** 31JAN2025

Test Results

Mitragyna Alkaloids (UHPLC-DAD)Method Code: T102Tested: 31JAN2025 | 0749

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.22	w/w%	0.010	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.003	N/A
Paynantheine	Report Results	0.226	w/w%	0.010	N/A
Speciogynine	Report Results	0.184	w/w%	0.010	N/A
Speciociliatine	Report Results	0.344	w/w%	0.010	N/A
Total Mitragyna Alkaloids	Report Results	1.97	w/w%	0.010	N/A

Elemental Impurities (ICP-MS)Method Code: T301Tested: 31JAN2025 | 1416

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.235	ug/g	0.006	PASS
Cadmium	NMT 0.50	0.015	ug/g	0.002	PASS
Mercury	NMT 0.20	0.011	ug/g	0.002	PASS
Lead	NMT 5.00	0.788	ug/g	0.002	PASS

Microbiological ExaminationMethod Code: T005Tested: 28JAN2025 | 1801

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU / g	1,647	CFU/g	20 CFU / g	PASS
Total Yeast and Mold	100,000 CFU / g	160	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

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<b>Name:</b>	Tyler West	<b>Date:</b>	31JAN2025