



PRIMO

• BOTANICALS •

Trainwreck Batch: PTK0501

Mitragynine (%)	1.28
7-HydroxyMitragynine (%)	<LOQ
Paynantheine (%)	0.24
Speciogynine (%)	0.18
Speciociliatine (%)	0.36
Total Alkaloids (%)	2.07
Heavy Metals	PASS
Microbial	PASS

Certificate of Analysis Summary:

This document summarizes the average lab results from the three batches used to create Trainwreck (Batch PTK0501), a homogeneous blend of Primo Botanicals' Premium Green, White, and Red 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



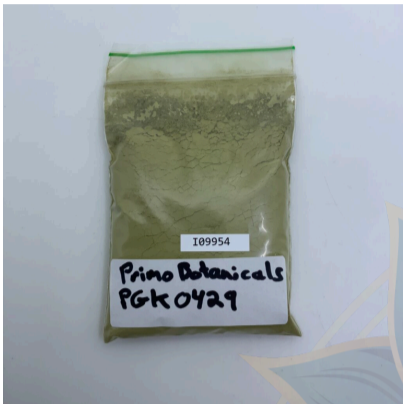
Customer Information

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: PGK0429
Description: Finely ground plant material
Condition: Good
Job ID: ISO03828
Sample ID: I09954
Received: 22APR2025
Completed: 25APR2025
Issued: 28APR2025

Test Results

Mitragyna Alkaloids (UHPLC-DAD) Method Code: T102 Tested: 25APR2025 | 1348

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.36	w/w%	0.004	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.004	N/A
Paynantheine	Report Results	0.259	w/w%	0.004	N/A
Speciogynine	Report Results	0.192	w/w%	0.004	N/A
Speciociliatine	Report Results	0.325	w/w%	0.004	N/A
Total Mitragyna Alkaloids	Report Results	2.14	w/w%	0.004	N/A

Elemental Impurities (ICP-MS) Method Code: T301 Tested: 23APR2025 | 1227

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.125	ug/g	0.006	PASS
Cadmium	NMT 0.50	0.028	ug/g	0.002	PASS
Mercury	NMT 0.20	<LOQ	ug/g	0.002	PASS
Lead	NMT 5.00	0.363	ug/g	0.002	PASS

Microbiological Examination Method Code: T005 Tested: 22APR2025 | 1611

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU / g	40	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:

Signature:

Tyler West

Position:

Laboratory Director

Department:

Management

Name:

Tyler West

Date:

28APR2025



Certificate of Analysis



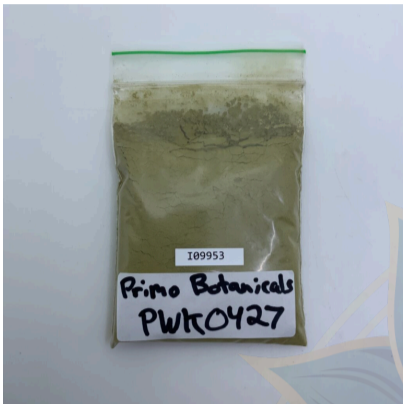
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Sample Image(s)



Sample Information

Name: Premium White Kratom
Lot Number: PWK0427
Description: Finely ground plant material
Condition: Good
Job ID: ISO03828
Sample ID: I09953
Received: 22APR2025
Completed: 25APR2025
Issued: 28APR2025

Test Results

Mitragyna Alkaloids (UHPLC-DAD) Method Code: T102 Tested: 25APR2025 | 1321

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.28	w/w%	0.004	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.004	N/A
Paynantheine	Report Results	0.228	w/w%	0.004	N/A
Speciogynine	Report Results	0.178	w/w%	0.004	N/A
Speciociliatine	Report Results	0.404	w/w%	0.004	N/A
Total Mitragyna Alkaloids	Report Results	2.09	w/w%	0.004	N/A

Elemental Impurities (ICP-MS) Method Code: T301 Tested: 23APR2025 | 1223

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.230	ug/g	0.006	PASS
Cadmium	NMT 0.50	0.017	ug/g	0.002	PASS
Mercury	NMT 0.20	0.009	ug/g	0.002	PASS
Lead	NMT 5.00	0.707	ug/g	0.002	PASS

Microbiological Examination Method Code: T005 Tested: 22APR2025 | 1611

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU / g	430	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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28APR2025



Certificate of Analysis



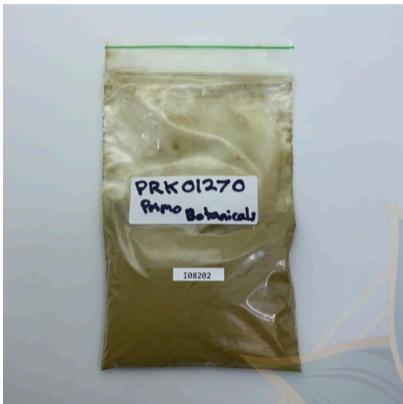
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Contact: info@corascience.com
(512) 856-5007

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: T102 Tested: 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: T301 Tested: 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 Examination Method Code: T005 Tested: 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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Signature:		Position:	Laboratory Director
		Department:	Management
Name:	Tyler West	Date:	31JAN2025

