



**PRIMO**  
• B O T A N I C A L S •

**Enhanced White Kratom**  
**Batch: EWK028**

Mitragynine (%)	3.02
7-HydroxyMitragynine (%)	0.001
Paynantheine (%)	0.49
Speciogynine (%)	0.37
Speciociliatine (%)	0.66
Total Alkaloids (%)	4.56
Heavy Metals	PASS
Microbial	PASS

**Certificate of Analysis Summary:**

This document summarizes the average lab results from the two batches used to create Enhanced White (Batch EWK028), a homogeneous blend of Primo Botanicals' Premium White Kratom (Batch PWK0928) and 60.8% extract (Batch K-63).

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

## Testing Facility

**Lab:**  
**Address**  
  
**Contact:**

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

## Sample Image(s)



## Sample Information

**Name:**  
**Lot Number:**  
**Description:**  
**Condition:**  
**Job ID:**  
**Sample ID:**  
**Received:**  
**Completed:**  
**Issued:**

K-63  
K-63  
Powdered botanical extract  
Good  
ISO05230  
I14456  
13OCT2025  
14OCT2025  
14OCT2025

## Test Results

Mitragyna Alkaloids (UHPLC-DAD)		Method Code: T102		Tested: 14OCT2025   1238	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	60.9	w/w%	0.018	N/A
7-Hydroxymitragynine	Report Results	0.0434	w/w%	0.018	N/A
Paynantheine	Report Results	8.53	w/w%	0.018	N/A
Speciogynine	Report Results	5.28	w/w%	0.018	N/A
Speciociliatine	Report Results	8.79	w/w%	0.018	N/A
Total Mitragyna Alkaloids	Report Results	83.5	w/w%	0.018	N/A

## 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>	<i>Tyler West</i>	<b>Position:</b>	Laboratory Director
		<b>Department:</b>	Management
<b>Name:</b>	Tyler West	<b>Date:</b>	14OCT2025



PRIMO  
• BOTANICALS •



## Certificate of Analysis

Compliance Test

Client Information:

**PrimoBotanicals**

12094 Anderson Rd #117

Tampa, Florida 33625

Order # PRI250827-020001

Order Date: 2025-08-27

Sample # AAHA888

Batch # PWK0928  
Batch Date: 2025-08-27  
Extracted From: N/A

Cultivation Date: 0000-00-00  
Production Date: 0000-00-00

Sampling Date: 2025-08-28  
Lab Batch Date: 2025-08-28  
Completion Date: 2025-09-02

Serving Number: 0.00000

Initial Gross Weight: 21.100 g

Number of Units: 1  
Net Weight per Unit: 1.000mg  
Sampling Method: MSP 7.3.1



**Kratom**  
Tested

**Heavy Metals**  
Tested

**Moisture**  
Tested

**Pathogenic**  
Passed

**Microbiology Petri Im**  
Passed

**Kratom Alkaloids** **Tested** **Total Detectable Alkaloids**  
Specimen Weight: 271.000 mg **SOP 13.062 Kratom Alkaloids (LCMS)**  
**Total Kratom Alkaloids**  
2.037% 0.0204mg

Analyte	LOQ (%)	Result (m g / g)	(%)
Mitragynine	0.0146	11.64	1.164
Speciociliatine	0.0146	3.865	0.387
Paynanthine	0.0146	2.436	0.244
Speciogynine	0.0146	2.254	0.225
Corynoxine B	0.0146	0.17	0.017
7-Hydroxy Mitragynine	0.0146	<LOQ	<LOQ
Isorhynchophylline	0.0146	<LOQ	<LOQ
Mitraphylline	0.0146	<LOQ	<LOQ

Prep. By: 1260 Date: 2025-08-30 18:41:40 Analyzed By: 1263 Date: 2025-08-30 12:28:07  
Reviewed By: 1010 Date: 2025-09-02 09:36:34 Lab Batch #: AAHA888-412 Date: 2025-09-02 09:36:34

**Kratom Heavy Metals** **Tested**  
Specimen Weight: 252.900mg **SOP 13.051 (ICP-3; icp-1)**  
Dilution Factor: 197.707

Analyte	LOD LOQ (ppb) (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD LOQ (ppb) (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	0.019 100	1500	211	Manganese (Mn)	0.047 1000	900000	1450000
Cadmium (Cd)	0.004 100	300	<LOQ	Mercury (Hg)	0.010 100	500	<LOQ
Lead (Pb)	0.044 100	1000	252	Nickel (Ni)	0.149 250	200000	2000

Prep. By: 1204 Date: 2025-08-31 10:04:26 Analyzed By: 1204 Date: 2025-09-01 10:04:06  
Reviewed By: 1264 Date: 2025-09-02 12:11:16 Lab Batch #: AAHA888-413 Date: 2025-09-02 12:11:16

Aixa Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 Client supplied the net weight of mg The results apply to the sample as received.

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Tampa, Florida 33625

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Production Date: 0000-00-00

Sampling Date: 2025-08-28  
Lab Batch Date: 2025-08-28  
Completion Date: 2025-09-02

Serving Number: 0.00000

Initial Gross Weight: 21.100 g

Number of Units: 1  
Net Weight per Unit: 1.000mg  
Sampling Method: MSP 7.3.1



### Mushroom Moisture

Specimen Weight: 1008.400mg

**Tested**  
SOP13.015 (Moisture Meter)

Dilution Factor: 1.000

Analyte	Action Level (ng/ ml)	Result (ng/ ml)
Moisture	15	4.90
Prep. By: 1035	Date: 2025-08-31 15:57:07	Analyzed By: 1035 Date: 2025-08-31 15:57:07
Reviewed By: 1035	Date: 2025-08-31 17:24:49	Lab Batch #: AAHA888-365 Date: 2025-08-31 17:24:49



### Pathogenic SE (qPCR)

Specimen Weight: 1032.500mg

**P assed**  
SOP13.029(qPCR)

Dilution Factor: 1.000

Analyte	Result (cfu/ g)	Analyte	Result (cfu/ g)
E.Coli	Absence in 1g	Salmonella	Absence in 1g
Prep. By: 1179	Date: 2025-08-31 11:55:18	Analyzed By: 1179	Date: 2025-08-31 11:55:18
Reviewed By: 1179	Date: 2025-09-01 16:11:33	Lab Batch #: AAHA888-70	Date: 2025-09-01 16:11:33



### Microbiology ACEC (Petri Im)

Specimen Weight: 1008.400mg

**P assed**  
SOP13.003(Petri Im)

Dilution Factor: 1.000

Analyte	LOQ (c fu/ g)	Action Level (c fu/ g)	Result (c fu/ g)	Analyte	LOQ (c fu/ g)	Action Level (c fu/ g)	Result (c fu/ g)
Aerobic Bacteria	20	10000000	<20	Yeast/Mold	20	100000	<20
C oliform	20	10000	<100				
Prep. By: 1179	Date: 2025-08-29 19:31:36	Analyzed By: 1179	Date: 2025-08-29 19:31:36				
Reviewed By: 1204	Date: 2025-08-31 17:35:44	Lab Batch #: AAHA888-442	Date: 2025-08-31 17:35:44				

**PRIMO**  
BOTANICALS

*Aixia Sun*

Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions are found on page 1

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