NN Analytics
10064 Mesa Ridge Ct. #208
San Diego, CA 92121
www.NNAnalytics.com
Info@NNAnalytics.com
(858) 256-7620

CERTIFICATE OF ANALYSIS

Sample(s) Receipt Date(s):	10/29/2024	**Batch(s):**	B241029-1
Received by:	JDR	**Sample ID #:**	2410-429
Customer Name/ID:	Hyroxi	**Date of Analysis/Testing:**	11/6/2024
Product/Sample Name	Hyroxie-Red Tablet-Psuedo	**Lot #**	374.33

Final Disposition	N/A	Method Group	Batch(s):	Date	Unit Weight (g)	Target Concentration (mg 7OH-Mit/Unit)	Target Kratom [7OH-Mit] g/g%)	Disposition
		Kratom Alkaloids	WKI-03-0107	11/6/2024	0.6193	N/A		N/A

Method Group	Analyte / Property	LOD (mg/g)	LOQ (mg/g)	Results (%)	Results (mg/g)	Results (mg/Unit)	Acceptance Criteria
Kratom Alkaloids	Mitragynine	0.125	0.2604	0.25%	2.48	1.53	N/A
	7OH-Mitragynine	0.125	0.2604	0.03%	0.32	0.20	
	Paynantheine	0.125	0.2604	ND	N/A	N/A	
	Speciogynine	0.125	0.2604	ND	N/A		
	Specioscilitane	0.125	0.2604	0.01%	0.14	0.09	N/A
	Mitraphyline	0.125	0.2604	ND	N/A	N/A	
	Isorhynchophyline	0.125	0.2604	ND	N/A		
	Total Alkaloids			**0.29%**	**2.93**	**1.82**	N/A

NOTES: <LOQ = Below limit of Quantitation / ND = Not Detected (Below limit of Detection (<LOD)) / 1µg/mL = 1ppm / 1000µg/mL = 1mg/mL / 1% = 10mg/g

Performed by/Date: _____

Checked by/Date: _____

Notes: This Certificate of analysis only reflects data for the samples indicated on this form, as received by NNA in a good condition. There have been no amendments to the data since publishing. This report contains all parts of the complete report.

ilac-MRA

ANAB
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TESTING LABORATORY

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(858) 256-7620

CERTIFICATE OF ANALYSIS

Sample(s) Receipt Date(s):	10/29/2024	**Batch(s):**	B241029-1
Received by:	JDR	**Sample ID #:**	2410-430
Customer Name/ID:	Hyroxi	**Date of Analysis/Testing:**	11/6/2024
Product/Sample Name	Hyroxie-Yellow Tablet-7OH	**Lot #**	347.01

Final Disposition	N/A	**Method Group**	**Batch(s):**	**Date**	**Unit Weight (g)**	**Target Concentration (mg 7OH-Mit/Unit)**	**Target Kratom [7OH-Mit] g/g%)**	**Disposition**
		Kratom Alkaloids	WKI-03-0107	11/6/2024	0.6701	N/A		N/A

Method Group	**Analyte / Property**	**LOD (mg/g)**	**LOQ (mg/g)**	**Results (%)**	**Results (mg/g)**	**Results (mg/Unit)**	**Acceptance Criteria**
Kratom Alkaloids	Mitragynine	0.125	0.2604	0.01%	0.15	0.10	N/A
	7OH-Mitragynine	0.125	0.2604	0.13%	1.32	0.89	
	Paynantheine	0.125	0.2604	ND	N/A	N/A	
	Speciogynine	0.125	0.2604	ND	N/A		
	Specioscilitane	0.125	0.2604	ND	N/A		
	Mitraphyline	0.125	0.2604	ND	N/A		
	Isorhynchophyline	0.125	0.2604	ND	N/A		
	Total Alkaloids			**0.15%**	**1.47**	**0.99**	N/A

NOTES: <LOQ = Below limit of Quantitation / ND = Not Detected (Below limit of Detection (<LOD)) / 1µg/mL = 1ppm / 1000µg/mL = 1mg/mL / 1% = 10mg/g

Performed by/Date: _____

Checked by/Date: _____

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CERTIFICATE OF ANALYSIS

Sample(s) Receipt Date(s):	10/29/2024	**Batch(s):**	B241029-1
Received by:	JDR	**Sample ID #:**	2410-431
Customer Name/ID:	Hyroxi	**Date of Analysis/Testing:**	11/6/2024
Product/ Sample Name	Hyroxie-Psuedo Shot	**Lot #**	451.99

Final Disposition	N/A	**Method Group**	**Method Name**	**Unit Size (mL)**	**Label Claim Value(s)**	**Label Claim Unit(s) & Analyte/ Property**	**Acceptance Criteria (±)**	**Disposition**
		Kratom Alkaloids	WKI-03-0107 - Kratom Alkaloid Potency by HPLC	30	N/A			

Method Group	**Analyte / Property**	**LOD (ug/mL)**	**LOQ (ug/mL)**	**Results (mg/mL)**	**Results (mg/Unit)**	**Lowest Accepted Value (mg/Unit)**	**Highest Accepted Value (mg/Unit)**	**Disposition**
Kratom Alkaloids	Mitragynine	0.75	1.5625	0.13	3.75	N/A		
	7OH-Mitragynine	0.75	1.5625	ND	N/A			
	Paynantheine	0.75	1.5625	ND	N/A			
	Speciogynine	0.75	1.5625	ND	N/A			
	Specioscilitane	0.75	1.5625	0.01	0.21			
	Mitraphyline	0.75	1.5625	ND	N/A			
	Isorhynchophyline	0.75	1.5625	ND	N/A			
	Total Alkaloids			**0.13**	**3.96**			

Performed by/Date:

Checked by/Date:

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CERTIFICATE OF ANALYSIS

Sample(s) Receipt Date(s):	10/29/2024	**Batch(s):**	B241029-1
Received by:	JDR	**Sample ID #:**	2410-432
Customer Name/ID:	Hyroxi	**Date of Analysis/Testing:**	11/6/2024
Product/ Sample Name	Hyroxie-7-OH Shot	**Lot #**	444.12

Final Disposition	**Method Group**	**Method Name**	**Unit Size (mL)**	**Label Claim Value(s)**	**Label Claim Unit(s) & Analyte/ Property**	**Acceptance Criteria (±)**	**Disposition**
N/A	Kratom Alkaloids	WKI-03-0107 - Kratom Alkaloid Potency by HPLC	30	N/A			

Method Group	**Analyte / Property**	**LOD (ug/mL)**	**LOQ (ug/mL)**	**Results (mg/mL)**	**Results (mg/Unit)**	**Lowest Accepted Value (mg/Unit)**	**Highest Accepted Value (mg/Unit)**	**Disposition**
Kratom Alkaloids	Mitragynine	0.75	1.5625	0.05	1.43	N/A		
	7OH-Mitragynine	0.75	1.5625	1.30	38.89			
	Paynantheine	0.75	1.5625	ND	N/A			
	Speciogynine	0.75	1.5625	ND	N/A			
	Specioscilitane	0.75	1.5625	ND	N/A			
	Mitraphyline	0.75	1.5625	ND	N/A			
	Isorhynchophyline	0.75	1.5625	ND	N/A			
	Total Alkaloids			**1.34**	**40.32**			

Performed by/Date:

Checked by/Date:

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QA Testing

PharmLabs San Diego Certificate of Analysis

Sample **Hyroxi: Sublingual Pouches - Citrus**

Sample ID **SD240926-099 (99836)**		Matrix **Edible**	
Sampled **-**	Received **Sep 25, 2024**	Reported **Sep 30, 2024**	
Analyses executed **KTM**		Serving Size (g) **0.44**	

Laboratory note: COA Update: Unit mass of sample received was 5.774g. Data reported is based on label claim/packaging weights 09/30/2024

KTM - Kratom Analysis

Analyzed **Sep 30, 2024** | Instrument **HPLC VWD** | Method **SOP-KTM**

The expanded Uncertainty of the analysis is approximately **±7.81%** at the 95% Confidence Level

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving
7-hydroxy Mitragynine (7HMG)	0.008	0.025	1.59	15.90	7.00
Mitragynine (MITG)	0.018	0.054	0.02	0.17	0.07
Speciogynine (SPEG)	0.007	0.02	ND	ND	ND
Speciociliatine (SPCL)	0.004	0.011	ND	ND	ND

Sample photography

UI Unidentified
ND Not Detected
N/A Not Applicable
NT Not Reported
LOD Limit of Detection
LOQ Limit of Quantification
<LOQ Detected
>ULOL Above upper limit of linearity
CFU/g Colony Forming Units per 1 gram
TNTC Too Numerous to Count

PJLA Testing
Acc. #85368

DCC license: C8-0000098-LIC
DEA license: RP0611043
ISO/IEC 17025:2017 Acc. L17-427-1

Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Quality Assurance Manager
Mon, 30 Sep 2024 12:45:07 -0700

PharmWare CANNABIS LABORATORY LIMS & ELN

QA Testing

PharmLabs San Diego Certificate of Analysis

Sample **Hyroxi: Sublingual Pouches - Cool Mint**

Sample ID **SD240926-100 (99837)**		Matrix **Edible**	
Sampled **-**	Received **Sep 25, 2024**	Reported **Sep 30, 2024**	
Analyses executed **KTM**		Serving Size (g) **0.44**	

Laboratory note: COA Update: Unit mass of sample received was 5.97g. Data reported is based on label claim/packaging weights 9/30/24

KTM - Kratom Analysis

Analyzed **Sep 30, 2024** | Instrument **HPLC VWD** | Method **SOP-KTM**

The expanded Uncertainty of the analysis is approximately **±7.81%** at the 95% Confidence Level

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g	Result mg/Serving
7-hydroxy Mitragynine (7HMG)	0.008	0.025	1.64	16.37	7.20
Mitragynine (MITG)	0.018	0.054	0.04	0.38	0.17
Speciogynine (SPEG)	0.007	0.02	ND	ND	ND
Speciociliatine (SPCL)	0.004	0.011	ND	ND	ND

Sample photography

UI Unidentified
ND Not Detected
N/A Not Applicable
NT Not Reported
LOD Limit of Detection
LOQ Limit of Quantification
<LOQ Detected
>ULOL Above upper limit of linearity
CFU/g Colony Forming Units per 1 gram
TNTC Too Numerous to Count

PJLA Testing Acc. #85368

DCC license: C8-0000098-LIC
DEA license: RP0611043
ISO/IEC 17025:2017 Acc. L17-427-1

Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Quality Assurance Manager
Mon, 30 Sep 2024 12:45:08 -0700

PharmWare CANNABIS LABORATORY LIMS & ELN

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San Diego, CA 92121
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CERTIFICATE OF ANALYSIS

Sample(s) Receipt Date(s):	6/28/2024	**Batch(s):**	B240628-1
Received by:	JDR	**Sample ID #:**	2406-062
Customer Name/ID:	Hyroxi	**Date of Analysis/Testing:**	7/1/2024
Product/Sample Name	Hyroxi-Large Tablet	**Lot #**	23881

Final Disposition	N/A	Method Group	Batch(s):	Date	Unit Weight (g)	Concentration (mg 7OH-Mit/Unit)	Kratom [7OH-Mit] g/g%	Disposition
		Kratom Alkaloids	WKI-03-0107	7/1/2024	0.6299	18	1.80%	N/A

Method Group	Analyte / Property	LOD (mg/g)	LOQ (mg/g)	Results (%)	Results (mg/g)	Results (mg/Unit)	Acceptance Criteria
Kratom Alkaloids	Mitragynine	0.125	0.2604	0.26%	2.64	1.67	N/A
	7OH-Mitragynine	0.125	0.2604	2.72%	27.24	17.16	
	Paynantheine	0.125	0.2604	ND	N/A	N/A	
	Speciogynine	0.125	0.2604	ND	N/A		
	Specioscilitane	0.125	0.2604	ND	N/A		
	Mitraphyline	0.125	0.2604	ND	N/A		
	Isorhynchophyline	0.125	0.2604	ND	N/A		
	Total Alkaloids			**2.99%**	**29.88**	**18.82**	N/A

NOTES: <LOQ = Below limit of Quantitation / ND = Not Detected (Below limit of Detection (<LOD)) / 1µg/mL = 1ppm / 1000µg/mL = 1mg/mL / 1% = 10mg/g

Performed by/Date: Jake Rubenstein
Digitally signed by Jake Rubenstein
Date: 2024.07.02 19:47:58 -07'00'

Checked by/Date: Rebecca Dobkins
Digitally signed by Rebecca Dobkins
Date: 2024.07.02 19:48:13 -07'00'

Notes: This Certificate of analysis only reflects data for the samples indicated on this form, as received by NNA in a good condition. There have been no amendments to the data since publishing. This report contains all parts of the complete report.

ACS LABORATORY
721 Cortaro Dr.
Sun City Center, FL 33573
www.acslab.com
DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

7 hydroxymitragynine Tablets
Sample Matrix: Kratom
Derivative Products
(Ingestion)

Certificate of Analysis

Compliance Test

Client Information:
Hyroxi
5966 Goshen Springs Rd
Norcross, GA 30071

Batch # TB-004
Batch Date: 2024-07-01
Extracted From: Mitragyna speciosa

Production Facility: Hyroxi
Production Date: 2024-07-01

Order # SUM240711-010001
Order Date: 2024-07-11
Sample # AAFT396
Number of Units: 1
Net Weight per Unit: 2733.000 mg
Sampling Method: MSP 7.3.1

Sampling Date: 2024-07-18
Lab Batch Date: 2024-07-18
Orig. Completion Date: 2024-07-23

Serving Number: 16.00000

Initial Gross Weight: 10.833 g
Net Weight: 2.733 g

Statement of Amendment: Report format

Kratom Tested
Heavy Metals Tested
Mycotoxins Passed
Pesticides Passed
Residual Solvents Passed
Pathogenic Passed
Microbiology Petrifilm Passed

Kratom Alkaloids

Specimen Weight: 140.600 mg

Tested
SOP 13.062 Kratom Alkaloids (LCMS)

Pieces For Panel: 4

Analyte	LOQ (%)	Result (mg/g)	(%)
7-Hydroxy Mitragynine	0.0146	17.0300	1.703
Mitragynine	0.0146	1.4220	0.1422
Corynoxine B	0.0146	<LOQ	<LOQ
Isorhynchophylline	0.0146	<LOQ	<LOQ
Mitraphylline	0.0146	<LOQ	<LOQ
Paynantheine	0.0146	<LOQ	<LOQ
Speciociliatine	0.0146	<LOQ	<LOQ
Speciogynine	0.0146	<LOQ	<LOQ

Prep. By: 1195 **Date:** 2024-07-19 13:13:39 **Analyzed By:** 1263 **Date:** 2024-07-19 12:26:21
Reviewed By: 1150 **Date:** 2024-07-19 17:27:43 **Lab Batch #:** AAFT396-412 **Date:** 2024-07-19 17:27:43

Total Detectable Alkaloids

Total Kratom Alkaloids	
1.845%	50.424mg

Kratom Heavy Metals

Specimen Weight: 251.200 mg

Tested
SOP13.051 (ICP-MS)

Pieces For Panel: 4

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	.019	0.5	1500	<LOQ
Cadmium (Cd)	.004	0.5	300	<LOQ
Lead (Pb)	.044	0.5	1000	<LOQ
Manganese (Mn)	.04694	5	900000	<LOQ
Mercury (Hg)	.010	0.5	500	<LOQ
Nickel (Ni)	.149	1.25	200000	<LOQ

Prep. By: 1204 **Date:** 2024-07-19 17:42:54 **Analyzed By:** 1204 **Date:** 2024-07-21 17:42:54
Reviewed By: 1264 **Date:** 2024-07-23 13:09:10 **Lab Batch #:** AAFT396-413 **Date:** 2024-07-23 13:09:10

Aixia 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 Sample not received via laboratory sampling. Revised report- see statement of amendment above.

ACCREDITED CERT #6786.01
AHCA

QA By: 1057 on 2024-07-23 15:28:41 V2

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721 Cortaro Dr.
Sun City Center, FL 33573
www.acslab.com
DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

7 hydroxymitragynine Tablets
Sample Matrix: Kratom Derivative Products (Ingestion)

Certificate of Analysis

Compliance Test

Client Information:
Hyroxi
5966 Goshen Springs Rd
Norcross, GA 30071

Batch # TB-004
Batch Date: 2024-07-01
Extracted From: Mitragyna speciosa

Production Facility: Hyroxi
Production Date: 2024-07-01

Order # SUM240711-010001
Order Date: 2024-07-11
Sample # AAFT396
Number of Units: 1
Net Weight per Unit: 2733.000 mg
Sampling Method: MSP 7.3.1

Sampling Date: 2024-07-18
Lab Batch Date: 2024-07-18
Orig. Completion Date: 2024-07-23

Serving Number: 16.00000

Initial Gross Weight: 10.833 g
Net Weight: 2.733 g

Residual Solvents – FL

Passed
SOP13.039 (GCMS)

Specimen Weight: 10.400 mg
Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.0094	0.132	8	<LOQ	Heptane	0.0013	8	5000	<LOQ
1,2-Dichloroethane	0.0003	0.032	2	<LOQ	Hexane	0.068	0.8	250	<LOQ
Acetone	0.015	12	750	<LOQ	Isopropyl alcohol	0.0048	8	500	<LOQ
Acetonitrile	0.06	0.96	60	<LOQ	Methanol	0.0005	4	250	<LOQ
Benzene	0.0002	0.016	1	<LOQ	Methylene chloride	0.0029	2	125	<LOQ
Butanes	0.4167	13.32	5000	<LOQ	Pentane	0.037	12	750	<LOQ
Chloroform	0.0001	0.032	2	<LOQ	Propane	0.031	26.668	5000	<LOQ
Ethanol	0.0021	16	5000	<LOQ	Toluene	0.0009	2.4	150	<LOQ
Ethyl Acetate	0.0012	6.4	400	<LOQ	Total Xylenes	0.0001	7.2	150	<LOQ
Ethyl Ether	0.0049	8	500	<LOQ	Trichloroethylene	0.0014	0.4	25	<LOQ
Ethylene Oxide	0.0038	0.32	5	<LOQ					

Prep. By: 1208 **Date:** 2024-07-19 16:11:48 **Analyzed By:** 1225 **Date:** 2024-07-19 16:49:25
Reviewed By: 1208 **Date:** 2024-07-22 17:02:33 **Lab Batch #:** AAFT396-55 **Date:** 2024-07-22 17:02:33

Kratom Heavy Metals

Tested
SOP13.051 (ICP-MS)

Specimen Weight: 251.200 mg
Dilution Factor: 199.045

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	.019	0.5	1500	<LOQ	Manganese (Mn)	.04694	5	900000	<LOQ
Cadmium (Cd)	.004	0.5	300	<LOQ	Mercury (Hg)	.010	0.5	500	<LOQ
Lead (Pb)	.044	0.5	1000	<LOQ	Nickel (Ni)	.149	1.25	200000	<LOQ

Prep. By: 1204 **Date:** 2024-07-19 17:42:54 **Analyzed By:** 1204 **Date:** 2024-07-21 17:42:54
Reviewed By: 1264 **Date:** 2024-07-23 13:09:10 **Lab Batch #:** AAFT396-413 **Date:** 2024-07-23 13:09:10

Mycotoxins

Passed
SOP13.007 (LCMS)

Specimen Weight: 594.400 mg
Dilution Factor: 2.520

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.0400E-1	6	20	<LOQ	Aflatoxin G2	2.7100E-1	6	20	<LOQ
Aflatoxin B2	7.7000E-2	6	20	<LOQ	Ochratoxin A	7.5400E-1	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					

Prep. By: 1225 **Date:** 2024-07-20 19:13:22 **Analyzed By:** 1225 **Date:** 2024-07-20 19:13:22
Reviewed By: 1222 **Date:** 2024-07-22 12:04:18 **Lab Batch #:** AAFT396-165 **Date:** 2024-07-22 12:04:18

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

Definitions are found on page 1

QA By: 1057 on 2024-07-23 15:28:41 V2

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Sun City Center, FL 33573
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DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

7 hydroxymitragynine Tablets
Sample Matrix: Kratom Derivative Products (Ingestion)

Certificate of Analysis

Compliance Test

Client Information:
Hyroxi
5966 Goshen Springs Rd
Norcross, GA 30071

Batch # TB-004
Batch Date: 2024-07-01
Extracted From: Mitragyna speciosa

Production Facility: Hyroxi
Production Date: 2024-07-01

Order # SUM240711-010001
Order Date: 2024-07-11
Sample # AAFT396
Number of Units: 1
Net Weight per Unit: 2733.000 mg
Sampling Method: MSP 7.3.1

Sampling Date: 2024-07-18
Lab Batch Date: 2024-07-18
Orig. Completion Date: 2024-07-23

Serving Number: 16.00000

Initial Gross Weight: 10.833 g
Net Weight: 2.733 g

Pathogenic SE (Microarray)

Specimen Weight: 512.100 mg
Dilution Factor: 1.000

Passed
SOP13.019 (Micro Array)

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
E. Coli	1	Absence in 1g	Salmonella	1	Absence in 1g

Prep. By: 1225 **Date:** 2024-07-20 14:49:46 **Analyzed By:** 1225 **Date:** 2024-07-20 14:49:46
Reviewed By: 1179 **Date:** 2024-07-21 13:43:55 **Lab Batch #:** AAFT396-445 **Date:** 2024-07-21 13:43:55

Microbiology ACEC (Petrifilm)

Specimen Weight: 993.000 mg
Dilution Factor: 1.000

Passed
SOP13.003 (Petrifilm)

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Aerobic Bacteria	20	10000	<10	Yeast/Mold	20	1000	<10
Coliform	20	100	<10				

Prep. By: 1211 **Date:** 2024-07-19 17:19:08 **Analyzed By:** 1211 **Date:** 2024-07-19 17:19:08
Reviewed By: 1179 **Date:** 2024-07-21 17:32:26 **Lab Batch #:** AAFT396-443 **Date:** 2024-07-21 17:32:26

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

Definitions are found on page 1

ACCREDITED CERT #6786.01
DEA REGISTERED LABORATORY #RA0571996
AHCA

QA By: 1057 on 2024-07-23 15:28:41 V2

ACS LABORATORY
721 Cortaro Dr.
Sun City Center, FL 33573
www.acslab.com
DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

7 hydroxymitragynine Tablets
Sample Matrix: Kratom Derivative Products (Ingestion)

Certificate of Analysis

Compliance Test

Client Information:
Hyroxi
5966 Goshen Springs Rd
Norcross, GA 30071

Batch # TB-004
Batch Date: 2024-07-01
Extracted From: Mitragyna speciosa

Production Facility: Hyroxi
Production Date: 2024-07-01

Order # SUM240711-010001
Order Date: 2024-07-11
Sample # AAFT396
Number of Units: 1
Net Weight per Unit: 2733.000 mg
Sampling Method: MSP 7.3.1

Sampling Date: 2024-07-18
Lab Batch Date: 2024-07-18
Orig. Completion Date: 2024-07-23

Serving Number: 16.00000

Initial Gross Weight: 10.833 g
Net Weight: 2.733 g

Pesticides

Specimen Weight: 594.400 mg
Dilution Factor: 2.520

Passed
SOP13.007 (LCMS/GCMS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	2.8800E-1	28.23	300	<LOQ	Fludioxonil	1.7400E+0	48	3000	<LOQ
Acephate	2.3000E-2	30	3000	<LOQ	Hexythiazox	4.9000E-2	30	2000	<LOQ
Acequinocyl	9.5640E+0	48	2000	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	3000	<LOQ	Imidacloprid	9.4000E-2	30	3000	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	1000	<LOQ
Azoxystrobin	8.1000E-2	10	3000	<LOQ	Malathion	8.2000E-2	30	2000	<LOQ
Bifenazate	1.4150E+0	30	3000	<LOQ	Metalaxyl	8.1000E-2	10	3000	<LOQ
Bifenthrin	4.3000E-2	30	500	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	3000	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	3000	<LOQ	methyl-Parathion	1.7100E+0	10	100	<LOQ
Carbaryl	2.2000E-2	10	500	<LOQ	Mevinphos	2.1500E+0	10	100	<LOQ
Carbofuran	3.4000E-2	10	100	<LOQ	Myclobutanil	1.0290E+0	30	3000	<LOQ
Chlorantraniliprole	3.3000E-2	10	3000	<LOQ	Naled	9.5000E-2	30	500	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Paclobutrazol	6.5000E-2	30	100	<LOQ
Chlormequat Chloride	1.0800E-1	10	3000	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	200	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Permethrin	3.4300E-1	30	1000	<LOQ
Clofentezine	1.1900E-1	30	500	<LOQ	Phosmet	8.2000E-2	30	200	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cyfluthrin	3.1100E+0	30	1000	<LOQ	Prallethrin	7.9800E-1	30	400	<LOQ
Cypermethrin	1.4490E+0	30	1000	<LOQ	Propiconazole	7.0000E-2	30	1000	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	200	<LOQ	Pyrethrins	2.3593E+1	30	1000	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyridaben	3.2000E-2	30	3000	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Spinetoram	8.0000E-2	10	3000	<LOQ
Dimethomorph	5.8300E+0	48	3000	<LOQ	Spinosad	8.8000E-2	30	3000	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	3000	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	3000	<LOQ
Etoxazole	9.5000E-2	30	1500	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenhexamid	5.1000E-1	10	3000	<LOQ	Tebuconazole	6.7000E-2	30	1000	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	2000	<LOQ	Thiamethoxam	5.0000E-2	30	1000	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	3000	<LOQ
Flonicamid	5.1700E-1	30	2000	<LOQ					

Prep. By: 1225 **Date:** 2024-07-20 19:13:22 **Analyzed By:** 1225 **Date:** 2024-07-20 19:13:22

Reviewed By: 1222 **Date:** 2024-07-22 12:04:18 **Lab Batch #:** AAFT396-202 **Date:** 2024-07-22 12:04:18

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

Definitions are found on page 1

QA By: 1057 on 2024-07-23 15:28:41 V2

Certificate of Analysis

Customer Information

Client: Hyroxi
Attention: 5966 Goshen Spring Road,
Address: Norcross, GA, 30071

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: Haute-Hyroxi-14mg-7OH-30ml
Lot Number: 6
Description: Ready-to-drink botanical infused beverage
Condition: Good
Job ID: ISO04270
Sample ID: I11458
Received: 19JUN2025
Completed: 19JUN2025
Issued: 19JUN2025

Test Results

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 19JUN2025 | 1425**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.57	mg/unit	0.25	N/A
7-Hydroxymitragynine	Report Results	14.7	mg/unit	0.25	N/A
Mitragynine Pseudoindoxyl	Report Results	1.58	mg/unit	0.25	N/A
Mitraciliatine	Report Results	<LOQ	mg/unit	0.25	N/A
Speciociliatine	Report Results	<LOQ	mg/unit	0.25	N/A
Speciogynine	Report Results	<LOQ	mg/unit	0.25	N/A
Paynantheine	Report Results	<LOQ	mg/unit	0.25	N/A
Corynoxine	Report Results	<LOQ	mg/unit	0.25	N/A
Isorhynchophylline	Report Results	<LOQ	mg/unit	0.25	N/A
Mitraphylline	Report Results	<LOQ	mg/unit	0.25	N/A
Total Mitragyna Alkaloids	Report Results	17.8	mg/unit	0.25	N/A

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 19JUN2025 | 1425**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.00503	w/w%	0.00080	N/A
7-Hydroxymitragynine	Report Results	0.0471	w/w%	0.00080	N/A
Mitragynine Pseudoindoxyl	Report Results	0.00508	w/w%	0.00080	N/A
Mitraciliatine	Report Results	<LOQ	w/w%	0.00080	N/A
Speciociliatine	Report Results	<LOQ	w/w%	0.00080	N/A
Speciogynine	Report Results	<LOQ	w/w%	0.00080	N/A
Paynantheine	Report Results	<LOQ	w/w%	0.00080	N/A
Corynoxine	Report Results	<LOQ	w/w%	0.00080	N/A
Isorhynchophylline	Report Results	<LOQ	w/w%	0.00080	N/A
Mitraphylline	Report Results	<LOQ	w/w%	0.00080	N/A
Total Mitragyna Alkaloids	Report Results	0.0572	w/w%	0.00080	N/A

Additional Report Notes

T102 result, LOQ and unit converted from w/w% to mg/unit using a laboratory measured density of 1.040 g/mL and package specified fill volume of 30.0 mL.

Revision History

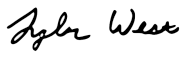
rev 00 - Initial release.

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:		**Position:**	Laboratory Director
		Department:	Management
Name:	Tyler West	**Date:**	19JUN2025

Certificate of Analysis

Customer Information

Client: Hyroxi
Attention: 5966 Goshen Spring Road,
Address: Norcross, GA, 30071

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: Haute-Hyroxi-28mg-7OH-60ml
Lot Number: 3
Description: Ready-to-drink botanical infused beverage
Condition: Good
Job ID: ISO04270
Sample ID: I11459
Received: 19JUN2025
Completed: 19JUN2025
Issued: 19JUN2025

Test Results

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 19JUN2025 | 1534**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	3.11	mg/unit	0.49	N/A
7-Hydroxymitragynine	Report Results	29.9	mg/unit	0.49	N/A
Mitragynine Pseudoindoxyl	Report Results	3.12	mg/unit	0.49	N/A
Mitraciliatine	Report Results	<LOQ	mg/unit	0.49	N/A
Speciociliatine	Report Results	<LOQ	mg/unit	0.49	N/A
Speciogynine	Report Results	<LOQ	mg/unit	0.49	N/A
Paynantheine	Report Results	<LOQ	mg/unit	0.49	N/A
Corynoxine	Report Results	<LOQ	mg/unit	0.49	N/A
Isorhynchophylline	Report Results	<LOQ	mg/unit	0.49	N/A
Mitraphylline	Report Results	<LOQ	mg/unit	0.49	N/A
Total Mitragyna Alkaloids	Report Results	36.1	mg/unit	0.49	N/A

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 19JUN2025 | 1534**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.00499	w/w%	0.00079	N/A
7-Hydroxymitragynine	Report Results	0.0480	w/w%	0.00079	N/A
Mitragynine Pseudoindoxyl	Report Results	0.00500	w/w%	0.00079	N/A
Mitraciliatine	Report Results	<LOQ	w/w%	0.00079	N/A
Speciociliatine	Report Results	<LOQ	w/w%	0.00079	N/A
Speciogynine	Report Results	<LOQ	w/w%	0.00079	N/A
Paynantheine	Report Results	<LOQ	w/w%	0.00079	N/A
Corynoxine	Report Results	<LOQ	w/w%	0.00079	N/A
Isorhynchophylline	Report Results	<LOQ	w/w%	0.00079	N/A
Mitraphylline	Report Results	<LOQ	w/w%	0.00079	N/A
Total Mitragyna Alkaloids	Report Results	0.0580	w/w%	0.00079	N/A

Additional Report Notes

T102 result, LOQ and unit converted from w/w% to mg/unit using a laboratory measured density of 1.038 g/mL and package specified fill volume of 60.0 mL.

Revision History

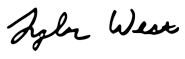
rev 00 - Initial release.

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:		**Position:**	Laboratory Director
		Department:	Management
Name:	Tyler West	**Date:**	19JUN2025