ACS LABORATORY | BEYOND COMPLIANCE
721 Cortaro Dr.
Sun City Center, FL 33573
www.acslab.com
DEA No. RA0571996
FL License # CMTL-0003

5.5g Gummy - 20mg Mitragynine - Blue Raspberry
Sample Matrix: Kratom Edibles (Ingestion)

Certificate of Analysis

Compliance Test

Client Information:
Happy Hippo
2145 E Pine Ave
Meridian, ID 83642

Batch # 26021920MITB
Batch Date: 2026-02-19
Extracted From: Kratom

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

Order # MWG260225-020001
Order Date: 2026-02-25
Sample # AAHL758
Number of Units: 1
Net Weight per Unit: 27500.000 mg
Sampling Method: MSP 7.3.1

Sampling Date: 2026-02-26
Lab Batch Date: 2026-02-26
Completion Date: 2026-03-09

Serving Number: 5.00000

Initial Gross Weight: 32.200 g
Net Weight: 27.500 g



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

Kratom Alkaloids

Specimen Weight: 1513.000 mg
Pieces For Panel: 5

Tested
SOP 13.062 Kratom Alkaloids (LCMS)

Analyte	LOQ (%)	Action Level (mg/g)	Result (mg/g)	(%)
Mitragynine	0.0146	100	5.2270	0.5227
Paynantheine	0.0146	100	0.3157	0.03157
Speciogynine	0.0146	100	0.2246	0.02246
7-Hydroxy Mitragynine	0.0146	0.4	<LOQ	<LOQ
Corynoxine B	0.0146	100	<LOQ	<LOQ
Isorhynchophylline	0.0146	100	<LOQ	<LOQ
Mitraphylline	0.0146	100	<LOQ	<LOQ
Speciociliatine	0.0146	100	<LOQ	<LOQ

Prep. By: 1260 Date: 2026-02-27 17:20:23 Analyzed By: 1263 Date: 2026-02-27 13:07:12
Reviewed By: 1150 Date: 2026-03-08 18:20:20 Lab Batch #: AAHL758-412 Date: 2026-03-08 18:20:20

Total Detectable Alkaloids

Total Kratom Alkaloids Per Package		Total Kratom Alkaloids Per Serving	
0.577%	158.675mg	0.577%	31.735mg

Kratom Heavy Metals

Specimen Weight: 254.000 mg
Dilution Factor: 196.850

Tested
SOP13.051,SOP13.048 (ICP-3; icp-1,ICP-MS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	.019	100	1500	<LOQ	Manganese (Mn)	.04694	1000	900000	<LOQ
Cadmium (Cd)	.004	100	300	<LOQ	Mercury (Hg)	.010	100	500	<LOQ
Lead (Pb)	.044	100	1000	<LOQ	Nickel (Ni)	.149	250	200000	<LOQ

Prep. By: 1204 Date: 2026-03-03 11:46:11 Analyzed By: 1204 Date: 2026-03-03 11:46:11
Reviewed By: 1204 Date: 2026-03-05 09:41:50 Lab Batch #: AAHL758-413 Date: 2026-03-05 09:41:50

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 The results apply to the sample as received.

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QA By: 1057 on 2026-03-09 15:40:29 V1

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5.5g Gummy - 20mg Mitragynine - Blue Raspberry
Sample Matrix: Kratom Edibles (Ingestion)

Certificate of Analysis

Compliance Test

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Happy Hippo
2145 E Pine Ave
Meridian, ID 83642

Batch # 26021920MITB
Batch Date: 2026-02-19
Extracted From: Kratom

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

Order # MWG260225-020001
Order Date: 2026-02-25
Sample # AAHL758
Number of Units: 1
Net Weight per Unit: 27500.000 mg
Sampling Method: MSP 7.3.1

Sampling Date: 2026-02-26
Lab Batch Date: 2026-02-26
Completion Date: 2026-03-09

Serving Number: 5.00000

Initial Gross Weight: 32.200 g
Net Weight: 27.500 g

Residual Solvents - FL

Passed

Specimen Weight: 4.200 mg
Dilution Factor: 1.000
SOP13.039 (GCMS-HS)

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.009	0.132	8	<LOQ	Heptane	0.001	8	5000	<LOQ
1,2-Dichloroethane	0.000	0.032	2	<LOQ	Hexane	0.068	0.8	250	<LOQ
Acetone	0.015	12	750	<LOQ	Isopropyl alcohol	0.005	8	500	<LOQ
Acetonitrile	0.060	0.96	60	<LOQ	Methanol	0.001	4	250	10.4
Benzene	0.000	0.016	1	<LOQ	Methylene chloride	0.003	2	125	<LOQ
Butanes	0.417	13.32	5000	<LOQ	Pentane	0.037	12	750	<LOQ
Chloroform	0.000	0.032	2	<LOQ	Propane	0.031	26.668	5000	<LOQ
Ethanol	0.002	16	NA	75.4	Toluene	0.001	2.4	150	<LOQ
Ethyl Acetate	0.001	6.4	400	74.7	Total Xylenes	0.000	7.2	150	<LOQ
Ethyl Ether	0.005	8	500	<LOQ	Trichloroethylene	0.001	0.4	25	<LOQ
Ethylene Oxide	0.004	0.32	5	<LOQ					

Prep. By: 1291 Date: 2026-02-28 12:48:35 Analyzed By: 1263 Date: 2026-02-28 12:48:35
Reviewed By: 1222 Date: 2026-03-05 13:23:56 Lab Batch #: AAHL758-55 Date: 2026-03-05 13:23:56

Mycotoxins

Passed

Specimen Weight: 590.500 mg
Dilution Factor: 2.540
SOP13.007 (LCMS/GCMS)

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: 1256 Date: 2026-02-27 18:21:21 Analyzed By: 1256 Date: 2026-02-27 18:21:21
Reviewed By: 1222 Date: 2026-03-03 20:21:31 Lab Batch #: AAHL758-165 Date: 2026-03-03 20:21:31

Pathogenic SE (Microarray)

Passed

Specimen Weight: 1039.200 mg
Dilution Factor: 1.000
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: 1204 Date: 2026-03-01 09:13:51 Analyzed By: 1179 Date: 2026-03-02 09:13:51
Reviewed By: 1035 Date: 2026-03-02 20:42:01 Lab Batch #: AAHL758-445 Date: 2026-03-02 20:42:01

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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QA By: 1057 on 2026-03-09 15:40:29 V1

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5.5g Gummy - 20mg Mitragynine - Blue Raspberry
Sample Matrix: Kratom Edibles (Ingestion)

Certificate of Analysis

Compliance Test

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Meridian, ID 83642

Batch # 26021920MITB
Batch Date: 2026-02-19
Extracted From: Kratom

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

Order # MWG260225-020001
Order Date: 2026-02-25
Sample # AAHL758
Number of Units: 1
Net Weight per Unit: 27500.000 mg
Sampling Method: MSP 7.3.1

Sampling Date: 2026-02-26
Lab Batch Date: 2026-02-26
Completion Date: 2026-03-09

Serving Number: 5.00000

Initial Gross Weight: 32.200 g
Net Weight: 27.500 g

Microbiology ACEC (Petrifilm)

Passed

Specimen Weight: 1003.600 mg
Dilution Factor: 1.000

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	<20	Yeast/Mold	20	1000	<20
Coliform	20	100	<1000				

Prep. By: 1284 **Date:** 2026-02-27 10:32:03 **Analyzed By:** 1284 **Date:** 2026-02-27 10:32:03

Reviewed By: 1204 **Date:** 2026-03-02 14:24:01 **Lab Batch #:** AAHL758-443 **Date:** 2026-03-02 14:24:01

Aixia Sun Lab Director/Principal Scientist
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QA By: 1057 on 2026-03-09 15:40:29 V1

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5.5g Gummy - 20mg Mitragynine - Blue Raspberry
Sample Matrix: Kratom Edibles (Ingestion)

Certificate of Analysis

Compliance Test

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Meridian, ID 83642

Batch # 26021920MITB
Batch Date: 2026-02-19
Extracted From: Kratom

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

Order # MWG260225-020001
Order Date: 2026-02-25
Sample # AAHL758
Number of Units: 1
Net Weight per Unit: 27500.000 mg
Sampling Method: MSP 7.3.1

Sampling Date: 2026-02-26
Lab Batch Date: 2026-02-26
Completion Date: 2026-03-09

Serving Number: 5.00000

Initial Gross Weight: 32.200 g
Net Weight: 27.500 g

Pesticides

Passed

Specimen Weight: 590.500 mg
Dilution Factor: 2.540

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	3.9900E-1	23.3	300	<LOQ	Fludioxonil	3.6000E-1	24.8	3000	<LOQ
Acephate	1.4100E-1	24.8	3000	<LOQ	Hexythiazox	1.1300E-1	24.8	2000	<LOQ
Acequinocyl	2.1780E+0	24.8	2000	<LOQ	Imazalil	2.5800E-1	24.8	100	<LOQ
Acetamiprid	1.4000E-1	24.8	3000	<LOQ	Imidacloprid	4.0200E-1	24.8	3000	<LOQ
Aldicarb	2.0300E-1	24.8	100	<LOQ	Kresoxim Methyl	1.8200E-1	24.8	1000	<LOQ
Azoxystrobin	1.8800E-1	24.8	3000	<LOQ	Malathion	2.2300E-1	24.8	2000	<LOQ
Bifenazate	8.6000E-2	24.8	3000	<LOQ	Metalaxyl	2.7000E-1	24.8	3000	<LOQ
Bifenthrin	1.0000E-1	24.8	500	<LOQ	Methiocarb	1.1800E-1	24.8	100	<LOQ
Boscalid	5.9500E-1	24.8	3000	<LOQ	Methomyl	6.4000E-2	24.8	100	<LOQ
Captan	1.8500E+0	323	3000	<LOQ	methyl-Parathion	8.2000E-1	24.8	100	<LOQ
Carbaryl	1.2200E-1	24.8	500	<LOQ	Mevinphos	9.3000E-2	24.8	100	<LOQ
Carbofuran	8.6000E-2	24.8	100	<LOQ	Myclobutanil	5.7300E-1	24.8	3000	<LOQ
Chlorantraniliprole	8.4000E-2	24.8	3000	<LOQ	Naled	6.9000E-2	24.8	500	<LOQ
Chlordane	1.4100E+0	24.8	100	<LOQ	Oxamyl	4.1000E-2	24.8	500	<LOQ
Chlorfenapyr	1.5000E+0	24.8	100	<LOQ	Paclobutrazol	1.8600E-1	24.8	100	<LOQ
Chlormequat Chloride	2.0500E-1	24.8	3000	<LOQ	Pentachloronitrobenzene	2.2000E-1	24.8	200	<LOQ
Chlorpyrifos	1.0900E-1	24.8	100	<LOQ	Permethrin	6.2400E-1	24.8	1000	<LOQ
Clofentezine	2.1200E-1	24.8	500	<LOQ	Phosmet	1.2700E-1	24.8	200	<LOQ
Coumaphos	2.0600E-1	24.8	100	<LOQ	Piperonylbutoxide	1.4900E-1	24.8	3000	<LOQ
Cyfluthrin	9.8000E-1	24.8	1000	<LOQ	Prallethrin	1.4760E+0	24.8	400	<LOQ
Cypermethrin	9.8500E-1	24.8	1000	<LOQ	Propiconazole	2.9400E-1	24.8	1000	<LOQ
Daminozide	1.6550E+0	24.8	100	<LOQ	Propoxur	1.0000E-1	24.8	100	<LOQ
Diazinon	2.1200E-1	24.8	200	<LOQ	Pyrethrins	6.7000E-2	12.9	1000	<LOQ
Dichlorvos	1.1300E+0	24.8	100	<LOQ	Pyridaben	1.4000E-1	24.8	3000	<LOQ
Dimethoate	6.3000E-2	24.8	100	<LOQ	Spinetoram	4.2400E-1	24.8	3000	<LOQ
Dimethomorph	2.5810E+0	24.8	3000	<LOQ	Spinosad	2.8000E-2	24.8	3000	<LOQ
Ethoprophos	1.5100E-1	24.8	100	<LOQ	Spiromesifen	1.2000E-1	24.8	3000	<LOQ
Etofenprox	1.7200E-1	24.8	100	<LOQ	Spirotetramat	2.1100E-1	24.8	3000	<LOQ
Etoxazole	8.6600E-1	24.8	1500	<LOQ	Spiroxamine	5.3300E-1	24.8	100	<LOQ
Fenhexamid	5.8800E-1	24.8	3000	<LOQ	Tebuconazole	2.3000E-1	24.8	1000	<LOQ
Fenoxycarb	2.7400E-1	24.8	100	<LOQ	Thiacloprid	1.7000E-1	24.8	100	<LOQ
Fenpyroximate	1.9800E-1	24.8	2000	<LOQ	Thiamethoxam	1.7900E-1	24.8	1000	<LOQ
Fipronil	3.1700E-1	24.8	100	<LOQ	Trifloxystrobin	1.3400E-1	24.8	3000	<LOQ
Flonicamid	4.6600E-1	24.8	2000	<LOQ					

Prep. By: 1256 **Date:** 2026-02-27 18:21:21 **Analyzed By:** 1256 **Date:** 2026-02-27 18:21:21

Reviewed By: 1222 **Date:** 2026-03-03 20:21:31 **Lab Batch #:** AAHL758-202 **Date:** 2026-03-03 20:21:31

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

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QA By: 1057 on 2026-03-09 15:40:29 V1

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Production Date: 0000-00-00

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Order Date: 2026-02-25
Sample # AAHL758
Number of Units: 1
Net Weight per Unit: 27500.000 mg
Sampling Method: MSP 7.3.1

Sampling Date: 2026-02-26
Lab Batch Date: 2026-02-26
Completion Date: 2026-03-09

Serving Number: 5.00000

Initial Gross Weight: 32.200 g
Net Weight: 27.500 g

7-Hydroxy Mitragynine at Dry Weight

Specimen Weight: 1513.000 mg
Dilution Factor: 10000.000

Tested
SOP 13.062 Kratom Alkaloids (LCMS)

Analyte	LOQ (%)	Action Level (ppm)	Result (ppm)	(%)
7-Hydroxy Mitragynine	0.0146	400	<LOQ	<LOQ

Prep. By: 1260	**Date:** 2026-02-27 17:20:23	**Analyzed By:** 1263	**Date:** 2026-02-27 13:07:12
Reviewed By: 1150	**Date:** 2026-03-08 18:20:20	**Lab Batch #:** AAHL758-412	**Date:** 2026-03-08 18:20:20

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