



Certificate of Analysis

R&D

Client Information:

iStar Distro LLC

8920 LAWYERS RD
Unit 23210

MINT HILL, NC 28227

Order # IST250407-030001

Order Date: 2025-04-07

Sample # AAG0790

Batch # 03202025-2

Batch Date: 2025-03-20

Extracted From: N/A

Cultivation Date: 0000-00-00

Production Date: 0000-00-00

Sampling Date: 2025-04-08

Lab Batch Date: 2025-04-08

Completion Date: 2025-04-17

Initial Gross Weight: 26.200 g

Serving Number: 1.00000



Amanita Muscaria

Tested



Psilocin

Tested



Psilocybin

Tested



Pathogenic

Tested



Heavy Metals

Passed



Mycotoxins

Passed



Pesticides

Passed



Residual Solvents

Passed



Amanita Analytes

Specimen Weight: 5034.160 mg

Tested

SOP 13.058 (LCMS)

| Analyte | LOD (%) | LOQ (%) | Result (mg/g) | (%) |
|------------------------------------|----------|---------|---------------|------|
| Ibotenic acid | 1.13E-05 | 5.21E-5 | <LOQ | <LOQ |
| Muscarine | 3.65E-06 | 1.3E-5 | <LOQ | <LOQ |
| Muscimol | 8.81E-06 | 5.21E-5 | <LOQ | <LOQ |
| Total Amanita Analytes per Package | | | - | - |

Prep. By: 1260

Date: 2025-04-12 18:20:58

Analyzed By: 1263

Date: 2025-04-12 12:31:13

Reviewed By: 1050

Date: 2025-04-17 10:55:31

Lab Batch #: AAG0790-415

Date: 2025-04-17 10:55:31



Psilocybe Mushroom Analytes

Specimen Weight: 403.190 mg

Tested

SOP 13.058 (LCMS)

| Analyte | LOQ (%) | Result (mg/g) | (%) |
|---|----------|---------------|------|
| psilocybin | 0.000375 | <LOQ | <LOQ |
| baeocystin | 0.000225 | <LOQ | <LOQ |
| psilocin | 0.00015 | <LOQ | <LOQ |
| norbaeocystin | 0.000253 | <LOQ | <LOQ |
| norpsilocin | 4.5E-5 | <LOQ | <LOQ |
| aeruginascin | 6.0E-5 | <LOQ | <LOQ |
| 4-hydroxy TMT | 2.38E-5 | <LOQ | <LOQ |
| 4-hydroxytryptamine | 5.65E-5 | <LOQ | <LOQ |
| harmaline | 9.38E-5 | <LOQ | <LOQ |
| harmine | 5.63E-5 | <LOQ | <LOQ |
| Total Psilocybin + Psilocin per Package | | - | - |
| Total Psilocybe Mushroom Analytes per Package | | - | - |

Prep. By: 1260

Date: 2025-04-12 18:21:10

Analyzed By: 1263

Date: 2025-04-12 12:34:54

Reviewed By: 1050

Date: 2025-04-17 14:13:25

Lab Batch #: AAG0790-371

Date: 2025-04-17 14:13:25

Mushroom Potency Summary

| | | | |
|---|---|---|---|
| Total Alkaloids per Package | - | Total Alkaloids per Serving | - |
| Total Amanita Analytes per Package | - | Total Amanita Analytes per Serving | - |
| Total Psilocybin + Psilocin per Package | - | Total Psilocybin + Psilocin per Serving | - |
| Total Psilocybe Mushroom Analytes per Package | - | Total Psilocybe Mushroom Analytes per Serving | - |

Aixia Sun

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. ACS uses simple acceptance criteria for contaminant panels. Passed – contaminant analytes/microbes are not detected or are at the level below the action limit per FL rule 5K-4.034. Failed – contaminant analytes/microbes are at the level that is equal to or above the action limit per FL rule 5K-4.034. Client supplied the net weight of mg. The results apply to the sample as received.

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Cultivation Date: 0000-00-00

Production Date: 0000-00-00

Sampling Date: 2025-04-08

Lab Batch Date: 2025-04-08

Completion Date: 2025-04-17

Initial Gross Weight: 26.200 g

Serving Number: 1.00000

Microbiology Pathogenic SAE qPCR *

Specimen Weight: 1043.600 mg

Tested

SOP13.029 (qPCR)

Dilution Factor: 1.000

| Analyte | Result (cfu/g) | Analyte | Result (cfu/g) |
|---|---------------------------|--------------------------|---------------------------|
| Aspergillus (Flavus, Fumigatus, Niger, Terreus) | Passed | Salmonella | Passed |
| Escherichia coli specific gene | Passed | | |
| Prep. By: 1161 | Date: 2025-04-10 11:56:22 | Analyzed By: 1161 | Date: 2025-04-10 11:56:22 |
| Reviewed By: 1225 | Date: 2025-04-10 19:08:41 | Lab Batch #: AAG0790-364 | Date: 2025-04-10 19:08:41 |



Heavy Metals *

Specimen Weight: 250.100 mg

Passed

SOP13.048 (ICP-MS)

Dilution Factor: 199

| Analyte | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|-------------------|---------------------------|--------------------------|---------------------------|--------------|--------------|-----------|-----------|--------------------|--------------|
| Arsenic (As) | 4.83 | 100 | 1500 | <LOQ | Lead (Pb) | 11.76 | 100 | 500 | <LOQ |
| Cadmium (Cd) | .64 | 100 | 500 | <LOQ | Mercury (Hg) | .58 | 100 | 3000 | <LOQ |
| Prep. By: 1204 | Date: 2025-04-08 17:28:23 | Analyzed By: 1204 | Date: 2025-04-08 17:28:23 | | | | | | |
| Reviewed By: 1256 | Date: 2025-04-09 14:30:21 | Lab Batch #: AAG0790-164 | Date: 2025-04-09 14:30:21 | | | | | | |



Mycotoxins *

Specimen Weight: 619.500 mg

Passed

SOP13.007 (LCMS)

Dilution Factor: 2.420

| 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: 1035 | Date: 2025-04-08 21:12:07 | Analyzed By: 1256 | Date: 2025-04-08 21:12:07 | | | | | | |
| Reviewed By: 1222 | Date: 2025-04-11 15:01:09 | Lab Batch #: AAG0790-165 | Date: 2025-04-11 15:01:09 | | | | | | |

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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Order Date: 2025-04-07

Sample # AAG0790

Batch # 03202025-2

Batch Date: 2025-03-20

Extracted From: N/A

Cultivation Date: 0000-00-00

Production Date: 0000-00-00

Sampling Date: 2025-04-08

Lab Batch Date: 2025-04-08

Completion Date: 2025-04-17

Initial Gross Weight: 26.200 g

Serving Number: 1.00000



Residual Solvents – FL *

Specimen Weight: 17.200 mg

Passed
SOP13.039 (GCMS-HS)

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 | 16.276 |
| 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: 1225

Date: 2025-04-08 16:56:54

Analyzed By: 1225

Date: 2025-04-08 17:19:19

Reviewed By: 1222

Date: 2025-04-10 14:52:55

Lab Batch #: AAG0790-55

Date: 2025-04-10 14:52:55

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

Definitions are found on page 1

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Sample # AAG0790

Batch # 03202025-2

Batch Date: 2025-03-20

Extracted From: N/A

Cultivation Date: 0000-00-00

Production Date: 0000-00-00

Sampling Date: 2025-04-08

Lab Batch Date: 2025-04-08

Completion Date: 2025-04-17

Initial Gross Weight: 26.200 g

Serving Number: 1.00000



Pesticides *

Specimen Weight: 619.500 mg

Passed

SOP13.007 (LCMS)

Dilution Factor: 2.420

| 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 | Metaxyl | 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 |
| Etoazole | 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: 1035

Date: 2025-04-08 21:12:07

Analyzed By: 1256

Date: 2025-04-08 21:12:07

Reviewed By: 1222

Date: 2025-04-11 15:01:09

Lab Batch #: AAG0790-202

Date: 2025-04-11 15:01:09

Aixia Sun

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

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