



## Certificate of Analysis

R&D

**Client Information:**

**iStar Distro LLC**

8920 LAWYERS RD  
MINT HILL, NC 28227

Order # IST240806-040001  
Order Date: 2024-08-06  
Sample # AAFV369  
Serving Number: 1.00000

Batch # AAFV369  
Batch Date: 2024-08-06  
Extracted From: N/A

Sampling Date: 2024-08-06  
Lab Batch Date: 2024-08-06  
Orig. Completion Date: 2024-08-09

Initial Gross Weight: 48.400 g

Number of Units: 1  
Net Weight per Package: 55000.000 mg  
Sampling Method: MSP 7.3.1

**Statement of Amendment: Updated Batch#**



**Psilocin**  
**Tested**

**Psilocybin**  
**Tested**

**Pathogenic Microbiology**  
**Passed**

**Heavy Metals**  
**Passed**

**Mycotoxins**  
**Passed**

**Pesticides**  
**Passed**

**Residual Solvents**  
**Passed**

**Psilocybe Mushroom Analytes \***  
Specimen Weight: 401.690 mg

**Tested**  
SOP 13.058 (LCMS)

### Mushroom Potency Summary

**Pieces For Panel: 15**

| 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 |
| harmine                                       | 9.38E-5  | <LOQ          | <LOQ |
| harmine                                       | 5.63E-5  | <LOQ          | <LOQ |
| Total Psilocybin + Psilocin per Package       | -        | -             | -    |
| Total Psilocybe Mushroom Analytes per Package | -        | -             | -    |

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

|                   |                           |                          |                           |
|-------------------|---------------------------|--------------------------|---------------------------|
| Prep. By: 1195    | Date: 2024-08-07 17:33:34 | Analyzed By: 1142        | Date: 2024-08-06 15:57:44 |
| Reviewed By: 1234 | Date: 2024-08-08 17:51:13 | Lab Batch #: AAFV369-371 | Date: 2024-08-08 17:51:13 |

*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. The results apply to the sample as received. Revised report – see statement of amendment above.

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Lab Batch Date: 2024-08-06  
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Initial Gross Weight: 48.400 g

Number of Units: 1  
Net Weight per Package: 55000.000 mg  
Sampling Method: MSP 7.3.1



### Microbiology Pathogenic SAE Microarray

Specimen Weight: 1048.000 mg

**Passed**  
SOP13.019 (Micro Array)

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: 2024-08-08 14:11:12 | Analyzed By: 1225        | Date: 2024-08-08 14:11:12 |
| Reviewed By: 1225                               | Date: 2024-08-08 19:20:18 | Lab Batch #: AAFV369-367 | Date: 2024-08-08 19:20:18 |



### Heavy Metals

Specimen Weight: 245.100 mg

**Passed**  
SOP13.048 (ICP-MS)

Dilution Factor: 203

| 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: 1256    | Date: 2024-08-07 00:12:03 | Analyzed By: 1204        | Date: 2024-08-08 10:26:58 |              |              |           |           |                    |              |
| Reviewed By: 1264 | Date: 2024-08-09 12:34:10 | Lab Batch #: AAFV369-164 | Date: 2024-08-09 12:34:10 |              |              |           |           |                    |              |



### Mycotoxins

Specimen Weight: 609.600 mg

**Passed**  
SOP13.007 (LCMS)

Dilution Factor: 2.460

| 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: 2024-08-07 19:42:13 | Analyzed By: 1225        | Date: 2024-08-07 19:42:13 |              |              |           |           |                    |              |
| Reviewed By: 1222 | Date: 2024-08-07 19:36:05 | Lab Batch #: AAFV369-165 | Date: 2024-08-07 19:36:05 |              |              |           |           |                    |              |

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Definitions are found on page 1

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MINT HILL, NC 28227Order # IST240806-040001  
Order Date: 2024-08-06  
Sample # AAFV369  
Serving Number: 1.00000Batch # AAFV369  
Batch Date: 2024-08-06  
Extracted From: N/ASampling Date: 2024-08-06  
Lab Batch Date: 2024-08-06  
Orig. Completion Date: 2024-08-09

Initial Gross Weight: 48.400 g

Number of Units: 1  
Net Weight per Package: 55000.000 mg  
Sampling Method: MSP 7.3.1

## Residual Solvents – FL

Specimen Weight: 20.000 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                | <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: 1051

Date: 2024-08-06 15:04:12

Analyzed By: 1051

Date: 2024-08-06 15:36:01

Reviewed By: 1208

Date: 2024-08-08 09:43:54

Lab Batch #: AAFV369-55

Date: 2024-08-08 09:43:54

  
Aixa Sun Lab Director/Principal Scientist  
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Definitions are found on page 1

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MINT HILL, NC 28227

Batch # AAFV369

Batch Date: 2024-08-06

Extracted From: N/A

Order # IST240806-040001

Order Date: 2024-08-06

Sample # AAFV369

Serving Number: 1.00000

Sampling Date: 2024-08-06

Lab Batch Date: 2024-08-06

Orig. Completion Date: 2024-08-09

Initial Gross Weight: 48.400 g

Number of Units: 1

Net Weight per Package: 55000.000 mg

Sampling Method: MSP 7.3.1



**Pesticides**

Specimen Weight: 609.600 mg

**Passed**

SOP13.007 (LCMS)

Dilution Factor: 2.460

| 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: 2024-08-07 19:42:13

Analyzed By: 1225

Date: 2024-08-07 19:42:13

Reviewed By: 1222

Date: 2024-08-07 19:36:05

Lab Batch #: AAFV369-202

Date: 2024-08-07 19:36:05

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