



Certificate of Analysis

R&D

Client Information:

iStar Distro LLC

8920 LAWYERS RD
Unit 23210

MINT HILL, NC 28227

Order # IST250514-010002

Order Date: 2025-05-14

Sample # AAGS400

Serving Number: 1.00000

Batch # AAFV370
Batch Date: 2025-05-14
Extracted From: N/ACultivation Date: 0000-00-00
Production Date: 0000-00-00Sampling Date: 2025-05-16
Lab Batch Date: 2025-05-16
Completion Date: 2025-05-27Initial Gross Weight: 96.123 g
Net Weight: 91.523 gNumber of Units: 2
Net Weight per Package: 55000.000 mg
Sampling Method: MSP 7.3.1

Amanita Muscaria

Tested



Psilocin

Tested



Psilocybin

Tested



Pathogenic

Tested



Heavy Metals

Passed



Mycotoxins

Passed



Pesticides

Passed



Residual Solvents

Passed



Amanita Analytes

Specimen Weight: 5064.010 mg

Tested

SOP 13.058 (LCMS)

Pieces For Panel: 15

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: 2025-05-21 17:24:53

Analyzed By: 1142

Date: 2025-05-21 12:42:57

Reviewed By: 1234

Date: 2025-05-26 19:16:19

Lab Batch #: AAGS400-415

Date: 2025-05-26 19:16:19



Psilocybe Mushroom Analytes

Specimen Weight: 400.810 mg

Tested

SOP 13.058 (LCMS)

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		-	-

Prep. By: 1260

Date: 2025-05-21 17:26:30

Analyzed By: 1142

Date: 2025-05-21 12:25:32

Reviewed By: 1150

Date: 2025-05-22 16:06:08

Lab Batch #: AAGS400-371

Date: 2025-05-22 16:06:08

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. 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.

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.



Certificate of Analysis

R&D

Client Information:

iStar Distro LLC
8920 LAWYERS RD
Unit 23210
MINT HILL, NC 28227

Batch # AAFV370
Batch Date: 2025-05-14
Extracted From: N/A

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

Order # IST250514-010002
Order Date: 2025-05-14
Sample # AAGS400
Serving Number: 1.00000

Sampling Date: 2025-05-16
Lab Batch Date: 2025-05-16
Completion Date: 2025-05-27

Initial Gross Weight: 96.123 g
Net Weight: 91.523 g

Number of Units: 2
Net Weight per Package: 55000.000 mg
Sampling Method: MSP 7.3.1

Microbiology Pathogenic SAE qPCR *

Specimen Weight: 1004.500 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: 1179	Date: 2025-05-19 12:16:37	Analyzed By: 1179	Date: 2025-05-19 12:16:37
Reviewed By: 1161	Date: 2025-05-20 10:07:34	Lab Batch #: AAGS400-364	Date: 2025-05-20 10:07:34

Heavy Metals *

Specimen Weight: 252.650 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 197

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: 2025-05-18 10:14:36	Analyzed By: 1204	Date: 2025-05-18 10:14:36						
Reviewed By: 1264	Date: 2025-05-20 12:47:59	Lab Batch #: AAGS400-164	Date: 2025-05-20 12:47:59						

Mycotoxins *

Specimen Weight: 592.380 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.530

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: 2025-05-17 19:42:33	Analyzed By: 1256	Date: 2025-05-17 19:42:33						
Reviewed By: 1183	Date: 2025-05-21 14:18:19	Lab Batch #: AAGS400-165	Date: 2025-05-21 14:18:19						

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

Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.





Certificate of Analysis

R&D

Client Information:

iStar Distro LLC
8920 LAWYERS RD
Unit 23210
MINT HILL, NC 28227

Batch # AAFV370
Batch Date: 2025-05-14
Extracted From: N/A

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

Order # IST250514-010002
Order Date: 2025-05-14
Sample # AAGS400
Serving Number: 1.00000

Sampling Date: 2025-05-16
Lab Batch Date: 2025-05-16
Completion Date: 2025-05-27

Initial Gross Weight: 96.123 g
Net Weight: 91.523 g

Number of Units: 2
Net Weight per Package: 55000.000 mg
Sampling Method: MSP 7.3.1



Residual Solvents – FL *

Specimen Weight: 16.000 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: 1208

Date: 2025-05-17 14:48:56

Analyzed By: 1051

Date: 2025-05-19 14:48:56

Reviewed By: 1051

Date: 2025-05-20 16:35:24

Lab Batch #: AAGS400-55

Date: 2025-05-20 16:35:24

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

Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.





Certificate of Analysis

R&D

Client Information:

iStar Distro LLC
8920 LAWYERS RD
Unit 23210
MINT HILL, NC 28227

Batch # AAFV370
Batch Date: 2025-05-14
Extracted From: N/A

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

Order # IST250514-010002
Order Date: 2025-05-14
Sample # AAGS400
Serving Number: 1.00000

Sampling Date: 2025-05-16
Lab Batch Date: 2025-05-16
Completion Date: 2025-05-27

Initial Gross Weight: 96.123 g
Net Weight: 91.523 g

Number of Units: 2
Net Weight per Package: 55000.000 mg
Sampling Method: MSP 7.3.1



Pesticides *

Specimen Weight: 592.380 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.530

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
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: 1256

Date: 2025-05-17 19:42:33

Analyzed By: 1256

Date: 2025-05-17 19:42:33

Reviewed By: 1183

Date: 2025-05-21 14:18:19

Lab Batch #: AAGS400-202

Date: 2025-05-21 14:18:19

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

Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.

