



Certificate of Analysis

R&D

Client Information:

iStar Distro LLC

8920 LAWYERS RD
Unit 23210

MINT HILL, NC 28227

Order # IST250730-020001

Order Date: 2025-07-30

Sample # AAGY539

Serving Number: 1.00000

Batch # SMS07S25
Batch Date: 2025-07-30
Extracted From: N/ACultivation Date: 0000-00-00
Production Date: 0000-00-00Sampling Date: 2025-08-12
Lab Batch Date: 2025-08-12
Completion Date: 2025-08-19

Initial Gross Weight: 102.400 g

Number of Units: 29
Net Weight per Package: 120.000 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: 52.990 mg

Tested

SOP 13.058 (LCMS)

Pieces For Panel: 1

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: 2025-08-15 17:21:40

Analyzed By: 1263

Date: 2025-08-15 12:05:26

Reviewed By: 1010

Date: 2025-08-19 17:01:03

Lab Batch #: AAGY539-415

Date: 2025-08-19 17:01:03



Psilocybe Mushroom Analytes

Specimen Weight: 136.790 mg

Tested

SOP 13.058 (LCMS)

Pieces For Panel: 1

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: 2025-08-15 17:22:00

Analyzed By: 1263

Date: 2025-08-15 12:18:13

Reviewed By: 1010

Date: 2025-08-19 16:33:17

Lab Batch #: AAGY539-371

Date: 2025-08-19 16:33:17

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.

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Batch # SMS07S25

Batch Date: 2025-07-30

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Production Date: 0000-00-00

Sampling Date: 2025-08-12

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Initial Gross Weight: 102.400 g

Number of Units: 29

Net Weight per Package: 120.000 mg

Sampling Method: MSP 7.3.1

Microbiology Pathogenic SAE qPCR *

Specimen Weight: 1008.600 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: 2025-08-14 11:00:24

Analyzed By: 1161

Date: 2025-08-14 11:00:24

Reviewed By: 1225

Date: 2025-08-16 15:12:02

Lab Batch #: AAGY539-364

Date: 2025-08-16 15:12:02

Heavy Metals Florida *

Specimen Weight: 249.700 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 200.240

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	0.013	100	1500	<LOQ	Lead (Pb)	0.007	100	500	<LOQ
Cadmium (Cd)	0.003	100	500	<LOQ	Mercury (Hg)	0.016	100	3000	<LOQ

Prep. By: 1256

Date: 2025-08-13 17:57:02

Analyzed By: 1256

Date: 2025-08-13 17:57:02

Reviewed By: 1264

Date: 2025-08-14 14:10:32

Lab Batch #: AAGY539-593

Date: 2025-08-14 14:10:32

Mycotoxins *

Specimen Weight: 592.900 mg

Passed
SOP13.007 (LCMS/GCMS)

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	0.304	6	20	<LOQ	Aflatoxin G2	0.271	6	20	<LOQ
Aflatoxin B2	0.077	6	20	<LOQ	Ochratoxin A	0.754	3.8	20	<LOQ
Aflatoxin G1	0.304	6	20	<LOQ					

Prep. By: 1225

Date: 2025-08-13 19:40:54

Analyzed By: 1225

Date: 2025-08-13 19:40:54

Reviewed By: 1222

Date: 2025-08-18 17:30:19

Lab Batch #: AAGY539-165

Date: 2025-08-18 17:30:19

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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Sample # AAGY539

Serving Number: 1.00000

Batch # SMS07S25

Batch Date: 2025-07-30

Extracted From: N/A

Cultivation Date: 0000-00-00

Production Date: 0000-00-00

Sampling Date: 2025-08-12

Lab Batch Date: 2025-08-12

Completion Date: 2025-08-19

Initial Gross Weight: 102.400 g

Number of Units: 29

Net Weight per Package: 120.000 mg

Sampling Method: MSP 7.3.1



Residual Solvents – FL *

Specimen Weight: 6.300 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	0.009	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	41.2
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	5000	3280	Toluene	0.001	2.4	150	<LOQ
Ethyl Acetate	0.001	6.4	400	54.6	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: 1208

Date: 2025-08-13 13:37:31

Analyzed By: 1225

Date: 2025-08-13 16:52:38

Reviewed By: 1222

Date: 2025-08-19 12:50:01

Lab Batch #: AAGY539-55

Date: 2025-08-19 12:50:01

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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MINT HILL, NC 28227

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Batch Date: 2025-07-30
Extracted From: N/A

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

Order # IST250730-020001
Order Date: 2025-07-30
Sample # AAGY539
Serving Number: 1.00000

Sampling Date: 2025-08-12
Lab Batch Date: 2025-08-12
Completion Date: 2025-08-19

Initial Gross Weight: 102.400 g

Number of Units: 29
Net Weight per Package: 120.000 mg
Sampling Method: MSP 7.3.1



Pesticides Florida *

Specimen Weight: 592.900 mg

Passed
SOP13.007 (LCMS/GCMS)

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	0.399	23.3	300	<LOQ	Fonicamid	0.466	24.8	2000	<LOQ
Acephate	0.141	24.8	3000	<LOQ	Fludioxonil	0.360	24.8	3000	<LOQ
Acequinocyl	2.178	24.8	2000	<LOQ	Hexythiazox	0.113	24.8	2000	<LOQ
Acetamiprid	0.140	24.8	3000	<LOQ	Imazalil	0.258	24.8	100	<LOQ
Aldicarb	0.203	24.8	100	<LOQ	Imidacloprid	0.402	24.8	3000	<LOQ
Azoxystrobin	0.188	24.8	3000	<LOQ	Kresoxim Methyl	0.182	24.8	1000	<LOQ
Bifenazate	0.086	24.8	3000	<LOQ	Malathion	0.223	24.8	2000	<LOQ
Bifenthrin	0.100	24.8	500	<LOQ	Metaxyl	0.270	24.8	3000	<LOQ
Boscalid	0.595	24.8	3000	<LOQ	Methiocarb	0.118	24.8	100	<LOQ
Captan	1.850	323	3000	<LOQ	Methomyl	0.064	24.8	100	<LOQ
Carbaryl	0.122	24.8	500	<LOQ	methyl-Parathion	2.390	24.8	100	<LOQ
Carbofuran	0.086	24.8	100	<LOQ	Mevinphos	0.093	24.8	100	<LOQ
Chlorantraniliprole	0.084	24.8	3000	<LOQ	Myclobutanil	0.573	24.8	3000	<LOQ
Chlordane	9.671	24.8	100	<LOQ	Naled	0.069	24.8	500	<LOQ
Chlorfenapyr	1.500	24.8	100	<LOQ	Oxamyl	0.041	24.8	500	<LOQ
Chlormequat Chloride	0.205	24.8	3000	<LOQ	Paclobutrazol	0.065	24.8	100	<LOQ
Chlorpyrifos	0.109	24.8	100	<LOQ	Pentachloronitrobenzene	7.950	24.8	200	<LOQ
Clofentezine	0.212	24.8	500	<LOQ	Permethrin	0.624	24.8	1000	<LOQ
Coumaphos	0.206	24.8	100	<LOQ	Phosmet	0.127	24.8	200	<LOQ
Cyfluthrin	0.980	24.8	1000	<LOQ	Piperonylbutoxide	0.149	24.8	3000	<LOQ
Cypermethrin	0.985	24.8	1000	<LOQ	Prallethrin	1.476	24.8	400	<LOQ
Daminozide	1.655	24.8	100	<LOQ	Propiconazole	0.294	24.8	1000	<LOQ
Diazinon	0.212	24.8	200	<LOQ	Propoxur	0.100	24.8	100	<LOQ
Dichlorvos	1.130	24.8	100	<LOQ	Pyrethrins	0.067	12.9	1000	<LOQ
Dimethoate	0.063	24.8	100	<LOQ	Pyridaben	0.140	24.8	3000	<LOQ
Dimethomorph	2.581	24.8	3000	<LOQ	Spinetoram	0.424	24.8	3000	<LOQ
Ethoprophos	0.151	24.8	100	<LOQ	Spiromesifen	0.120	24.8	3000	<LOQ
Etofenprox	0.172	24.8	100	<LOQ	Spirotetramat	0.211	24.8	30000	<LOQ
Etiozale	0.866	24.8	1500	<LOQ	Spiroxamine	0.533	24.8	100	<LOQ
Fenhexamid	0.588	24.8	30000	<LOQ	Tebuconazole	0.230	24.8	1000	<LOQ
Fenoxycarb	0.274	24.8	100	<LOQ	Thiacloprid	0.170	24.8	100	<LOQ
Fenpyroximate	0.198	24.8	2000	<LOQ	Thiamethoxam	0.179	24.8	1000	<LOQ
Fipronil	0.317	24.8	100	<LOQ	Trifloxystrobin	0.134	24.8	3000	<LOQ

Prep. By: 1225

Date: 2025-08-13 19:40:54

Analyzed By: 1225

Date: 2025-08-13 19:40:54

Reviewed By: 1222

Date: 2025-08-18 17:30:19

Lab Batch #: AAGY539-591

Date: 2025-08-18 17:30:19

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

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