



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 # AAFV367
Serving Number: 1.00000

Batch # AAFV367
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: 56.900 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



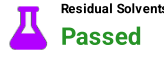
Heavy Metals
Passed



Mycotoxins
Passed



Pesticides
Passed



Residual Solvents
Passed



Psilocybe Mushroom Analytes *

Specimen Weight: 398.900 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 #: AAFV367-371	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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Number of Units: 1
Net Weight per Package: 55000.000 mg
Sampling Method: MSP 7.3.1



Microbiology Pathogenic SAE Microarray

Specimen Weight: 1038.300 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 #: AAFV367-367	Date: 2024-08-08 19:20:18



Heavy Metals

Specimen Weight: 245.000 mg

Passed

SOP13.048 (ICP-MS)

Dilution Factor: 204

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 12:34:08	Lab Batch #: AAFV367-164	Date: 2024-08-09 12:34:08						



Mycotoxins

Specimen Weight: 591.100 mg

Passed

SOP13.007 (LCMS)

Dilution Factor: 2.540

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 19:36:03	Lab Batch #: AAFV367-165	Date: 2024-08-07 19:36:03						

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Definitions are found on page 1

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Order Date: 2024-08-06
Sample # AAFV367
Serving Number: 1.00000

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

Initial Gross Weight: 56.900 g

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



Residual Solvents – FL

Specimen Weight: 19.800 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

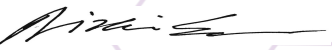
Date: 2024-08-06 15:36:01

Reviewed By: 1208

Date: 2024-08-08 09:43:44

Lab Batch #: AAFV367-55

Date: 2024-08-08 09:43:44


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Batch # AAFV367

Batch Date: 2024-08-06

Extracted From: N/A

Order # IST240806-040001

Order Date: 2024-08-06

Sample # AAFV367

Serving Number: 1.00000

Sampling Date: 2024-08-06

Lab Batch Date: 2024-08-06

Orig. Completion Date: 2024-08-09

Initial Gross Weight: 56.900 g

Number of Units: 1

Net Weight per Package: 55000.000 mg

Sampling Method: MSP 7.3.1



Pesticides

Specimen Weight: 591.100 mg

Passed

SOP13.007 (LCMS)

Dilution Factor: 2.540

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 19:36:03

Lab Batch #: AAFV367-202

Date: 2024-08-07 19:36:03

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