



Certificate of Analysis

R&D

Client Information:

Amota Processing LLC
17537 N Umpqua Hwy
Unit F
Roseburg, OR 97470

Batch # AP090123
Batch Date: 2023-09-01
Extracted From: n/a

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

Order # AM0230901-020001
Order Date: 2023-09-01
Sample # AAEV189
Serving Number: 120.00000

Sampling Date: 2023-09-06
Lab Batch Date: 2023-09-06
Completion Date: 2023-09-11

Initial Gross Weight: 26.132 g
Net Weight: 21.432 g

Number of Units: 1
Net Weight per Package: 2.100 g
Sampling Method: MSP 7.3.1



Amanita Muscaria
Tested



Pathogenic
Tested



Heavy Metals
Passed



Mycotoxins
Passed



Pesticides
Passed



Residual Solvents
Passed



Amanita Analytes *

Specimen Weight: 5078.620 mg

Tested

SOP 13.058 (LCMS)

Mushroom Potency Summary

Total Alkaloids per Package	0	Total Alkaloids per Serving	0
Total Amanita Analytes per Package	-	Total Amanita Analytes per Serving	-
Total Psilocybin + Psilocin per Package	Not Tested	Total Psilocybin + Psilocin per Serving	Not Tested

Pieces For Panel: 10

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

Prep. By: 1195	Date: 2023-09-06 18:37:22	Analyzed By: 1232	Date: 2023-09-06 14:32:34
Reviewed By: 1150	Date: 2023-09-07 18:03:16	Lab Batch #: AAEV189-415	Date: 2023-09-07 18:03:16

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, (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity Sample not received via laboratory sampling.

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Microbiology Pathogenic SAE Microarray

Specimen Weight: 1047.500 mg

Tested

SOP13.019 (Micro Array)

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Escherichia coli specific gene	Passed	Salmonella	Passed
Aspergillus flavus	Passed		

Prep. By: 1179 Date: 2023-09-07 14:42:06 Analyzed By: 1179 Date: 2023-09-07 14:42:06
Reviewed By: 1161 Date: 2023-09-08 11:22:21 Lab Batch #: AAEV189-367 Date: 2023-09-08 11:22:21

Heavy Metals

Specimen Weight: 247.000 mg

Passed

SOP13.048 (ICP-MS)

Dilution Factor: 202

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	200	<LOQ	Lead (Pb)	.58	100	500	<LOQ
Cadmium (Cd)	.64	100	200	<LOQ	Mercury (Hg)	11.76	100	200	<LOQ

Prep. By: 1256 Date: 2023-09-08 16:55:39 Analyzed By: 1204 Date: 2023-09-08 16:55:39
Reviewed By: 1204 Date: 2023-09-10 13:57:58 Lab Batch #: AAEV189-4 Date: 2023-09-10 13:57:58

Mycotoxins

Specimen Weight: 588.000 mg

Passed

SOP13.007 (LCMS)

Dilution Factor: 2.550

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: 2023-09-06 17:01:21 Analyzed By: 1225 Date: 2023-09-06 17:01:21
Reviewed By: 1183 Date: 2023-09-08 12:41:19 Lab Batch #: AAEV189-165 Date: 2023-09-08 12:41:19

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Order # AMO230901-020001
Order Date: 2023-09-01
Sample # AAEV189
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Residual Solvents – FL

Specimen Weight: 12.800 mg

Passed
SOP13.039 (GCMS)

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	57.288	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: 2023-09-06 13:48:43

Analyzed By: 1152

Date: 2023-09-06 13:48:43

Reviewed By: 1208

Date: 2023-09-07 10:15:30

Lab Batch #: AAEV189-55

Date: 2023-09-07 10:15:30

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Order Date: 2023-09-01
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Serving Number: 120.00000

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Sampling Method: MSP 7.3.1



Pesticides

Specimen Weight: 588.000 mg

Passed

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.550

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
Chlorantranilprole	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
Fonicamid	5.1700E-1	30	2000	<LOQ					

Prep. By: 1225 Date: 2023-09-06 17:01:21 Analyzed By: 1225 Date: 2023-09-06 17:01:21
Reviewed By: 1183 Date: 2023-09-08 12:41:19 Lab Batch #: AAEV189-202 Date: 2023-09-08 12:41:19

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