



Certificate of Analysis
Compliance Test

Client Information:

Purple Alternative Products LLC
8 The Green
Dover, Delaware 19901

Batch # PURPENH0130
Batch Date: 2024-02-01
Extracted From: NOOTROPICS

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

Order # SOC240206-020001
Order Date: 2024-02-06
Sample # AAFG877

Sampling Date: 2024-02-08
Lab Batch Date: 2024-02-08
Completion Date: 2024-02-13

Initial Gross Weight: 65.808 g
Serving Number: 1.00000



Potency Tested

Potency 25 (LCUV)
Specimen Weight: 1456.400 mg
Dilution Factor: 100.000

Tested SOP13.001 (LCUV)

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBC	0.000018	0.0015	<LOQ		Delta8-THCP	0.000375	0.0015	<LOQ	
CBCA	0.000107	0.0015	<LOQ		Delta9-THCP	0.0000117	0.0012	<LOQ	
CBD	0.000054	0.0015	<LOQ		Exo-THC	0.00023	0.0015	<LOQ	
CBDA	0.00001	0.0015	<LOQ		THCA-A	0.000032	0.0015	<LOQ	
CBDV	0.000065	0.0015	<LOQ		THCB	0.00018	0.00195	<LOQ	
CBDVA	0.000014	0.0015	<LOQ		THCH	0.00035	0.00195	<LOQ	
CBG	0.000248	0.0015	<LOQ		THCV	0.000007	0.0015	<LOQ	
CBGA	0.00008	0.0015	<LOQ		THCVA	0.000047	0.0015	<LOQ	
CBL	0.000035	0.0015	<LOQ		Total CBD		0.0015	<LOQ	
CBN	0.000014	0.0015	<LOQ		Total THC & HEMP		0.0015	<LOQ	
CBNA	0.000095	0.0015	<LOQ		Total THC-O Acetate		0.0015	<LOQ	
CBT	0.0002	0.0015	<LOQ						
Delta-8 THC	0.000026	0.0015	<LOQ						
Delta-8 THC-O Acetate	0.000027	0.003	<LOQ						
Delta-8 THCV	0.00004	0.0015	<LOQ						
Delta-9 THC	0.000013	0.0015	<LOQ						
Delta-9 THC-O Acetate	0.000077	0.003	<LOQ						

Prep. By: 1152 Date: 2024-02-09 12:38:35 Analyzed By: 1199 Date: 2024-02-09 13:38:14
Reviewed By: 1234 Date: 2024-02-13 13:34:18 Lab Batch #: AAFG877-319 Date: 2024-02-13 13:34:18

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 Sample not received via laboratory sampling.
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Certificate of Analysis

Compliance Test

Client Information:

Purple Alternative Products, LLC
8 The Green, Ste A
Dover, DE 19901

Batch # 11302023
Batch Date: 2023-11-28
Extracted From: Amanita Muscaria

Cultivation Date: 0000-00-00
Production Facility: Purple Organics LLC DE
Production Date: 0000-00-00

Order # SOC231128-010001
Order Date: 2023-11-28
Sample # AAFB781
Serving Number: 5.00000

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 39.482 g

Number of Units: 1
Net Weight per Package: 25160.000 mg
Sampling Method: MSP 7.3.1



Amanita Muscaria
Tested

Psilocin
Tested

Psilocybin
Tested

Heavy Metals
Passed

Mycotoxins
Passed

Pesticides
Passed

Residual Solvents
Passed

Amanita Analytes *
Specimen Weight: 5062.530 mg

Tested
SOP 13.058 (LCMS)

Pieces For Panel: 5

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: 2023-12-21 19:57:38 Analyzed By: 1142 Date: 2023-12-20 16:45:20
Reviewed By: 1010 Date: 2023-12-22 13:16:14 Lab Batch #: AAFB781-415 Date: 2023-12-22 13:16:14

Mushroom Analytes *
Specimen Weight: 401.500 mg

Tested
SOP 13.058 (LCMS)

Pieces For Panel: 5

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

Prep. By: 1195 Date: 2023-12-21 17:25:09 Analyzed By: 1142 Date: 2023-12-20 17:09:31
Reviewed By: 1010 Date: 2023-12-22 16:37:57 Lab Batch #: AAFB781-371 Date: 2023-12-22 16:37:57

Mushroom Potency Summary

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

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

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Compliance Test

Client Information:

Purple Alternative Products, LLC
8 The Green, Ste A
Dover, DE 19901

Batch # 11302023
Batch Date: 2023-11-28
Extracted From: Amanita Muscaria

Cultivation Date: 0000-00-00
Production Facility: Purple Organics LLC DE
Production Date: 0000-00-00

Order # SOC231128-010001
Order Date: 2023-11-28
Sample # AAFB781
Serving Number: 5.00000

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 39.482 g

Number of Units: 1
Net Weight per Package: 25160.000 mg
Sampling Method: MSP 7.3.1



Heavy Metals

Specimen Weight: 253.250 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	200	<LOQ	Lead (Pb)	.58	100	500	<LOQ
Cadmium (Cd)	.64	100	200	<LOQ	Mercury (Hg)	11.76	100	200	<LOQ

Prep. By: 1264

Date: 2023-12-21 20:06:19

Analyzed By: 1264

Date: 2023-12-21 20:06:19

Reviewed By: 1142

Date: 2023-12-21 10:52:10

Lab Batch #: AAFB781-4

Date: 2023-12-21 10:52:10



Mycotoxins

Specimen Weight: 611.310 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.450

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: 1237

Date: 2023-12-20 21:35:55

Analyzed By: 1237

Date: 2023-12-20 21:35:55

Reviewed By: 1222

Date: 2023-12-20 19:21:07

Lab Batch #: AAFB781-165

Date: 2023-12-20 19:21:07



Residual Solvents - FL

Specimen Weight: 10.200 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	275.514	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: 2023-12-19 15:28:07

Analyzed By: 1152

Date: 2023-12-19 15:34:26

Reviewed By: 1051

Date: 2023-12-20 11:07:20

Lab Batch #: AAFB781-55

Date: 2023-12-20 11:07:20

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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Compliance Test

Client Information:

Purple Alternative Products, LLC
8 The Green, Ste A
Dover, DE 19901

Batch # 11302023
Batch Date: 2023-11-28
Extracted From: Amanita Muscaria

Cultivation Date: 0000-00-00
Production Facility: Purple Organics LLC DE
Production Date: 0000-00-00

Order # SOC231128-010001
Order Date: 2023-11-28
Sample # AAFB781
Serving Number: 5.00000

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 39.482 g

Number of Units: 1
Net Weight per Package: 25160.000 mg
Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 611.310 mg
Dilution Factor: 2.450

Passed
SOP13.007 (LCMS/GCMS)

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	Imazail	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	Metaxalyl	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	Pacllobutrazol	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: 1237 Date: 2023-12-20 21:35:55 Analyzed By: 1237 Date: 2023-12-20 21:35:55
Reviewed By: 1222 Date: 2023-12-20 19:21:06 Lab Batch #: AAFB781-202 Date: 2023-12-20 19:21:06

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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Certificate of Analysis

Compliance Test

Client Information:

Purple Alternative Products, LLC
8 The Green, Ste A
Dover, DE 19901

Batch # 113020231
Batch Date: 2023-11-30
Extracted From: Amanita Muscaria

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

Order # SOC231218-040001
Order Date: 2023-12-18
Sample # AAFD319
Serving Number: 5.00000

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 34.513 g

Number of Units: 1
Net Weight per Package: 25160.000 mg
Sampling Method: MSP 7.3.1



Amanita Muscaria
Tested

Psilocin
Tested

Psilocybin
Tested

Heavy Metals
Passed

Mycotoxins
Passed

Pesticides
Passed

Residual Solvents
Passed

Amanita Analytes *
Specimen Weight: 5040.460 mg

Tested
SOP 13.058 (LCMS)

Pieces For Panel: 5

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: 2023-12-21 19:57:38 Analyzed By: 1142 Date: 2023-12-20 16:45:20
Reviewed By: 1010 Date: 2023-12-22 13:16:29 Lab Batch #: AAFD319-415 Date: 2023-12-22 13:16:29

Mushroom Analytes *
Specimen Weight: 399.640 mg

Tested
SOP 13.058 (LCMS)

Pieces For Panel: 5

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

Prep. By: 1195 Date: 2023-12-21 17:25:09 Analyzed By: 1142 Date: 2023-12-20 17:09:31
Reviewed By: 1010 Date: 2023-12-22 16:37:57 Lab Batch #: AAFD319-371 Date: 2023-12-22 16:37:57

Mushroom Potency Summary

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

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



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Purple Alternative Products, LLC
8 The Green, Ste A
Dover, DE 19901

Batch # 113020231
Batch Date: 2023-11-30
Extracted From: Amanita Muscaria

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

Order # SOC231218-040001
Order Date: 2023-12-18
Sample # AAFD319
Serving Number: 5.00000

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 34.513 g

Number of Units: 1
Net Weight per Package: 25160.000 mg
Sampling Method: MSP 7.3.1



Heavy Metals

Specimen Weight: 254.720 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 196

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: 1264

Date: 2023-12-21 20:06:19

Analyzed By: 1264

Date: 2023-12-21 20:06:19

Reviewed By: 1142

Date: 2023-12-21 10:52:08

Lab Batch #: AAFD319-4

Date: 2023-12-21 10:52:08



Mycotoxins

Specimen Weight: 591.600 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: 1237

Date: 2023-12-20 21:35:55

Analyzed By: 1237

Date: 2023-12-20 21:35:55

Reviewed By: 1222

Date: 2023-12-20 19:21:11

Lab Batch #: AAFD319-165

Date: 2023-12-20 19:21:11



Residual Solvents - FL

Specimen Weight: 320.700 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	84.039	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: 2023-12-19 15:28:07

Analyzed By: 1152

Date: 2023-12-19 15:34:26

Reviewed By: 1051

Date: 2023-12-21 09:26:06

Lab Batch #: AAFD319-55

Date: 2023-12-21 09:26:06

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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Certificate of Analysis
Compliance Test

Client Information:

Purple Alternative Products, LLC
8 The Green, Ste A
Dover, DE 19901

Batch # 113020231
Batch Date: 2023-11-30
Extracted From: Amanita Muscaria

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

Order # SOC231218-040001
Order Date: 2023-12-18
Sample # AAFD319
Serving Number: 5.00000

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 34.513 g

Number of Units: 1
Net Weight per Package: 25160.000 mg
Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 591.600 mg
Dilution Factor: 2.540

Passed
SOP13.007 (LCMS/GCMS)

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	Imazail	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	Metaxalyl	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	Pacllobutrazol	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: 1237 Date: 2023-12-20 21:35:55 Analyzed By: 1237 Date: 2023-12-20 21:35:55
Reviewed By: 1222 Date: 2023-12-20 19:21:11 Lab Batch #: AAFD319-202 Date: 2023-12-20 19:21:11

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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Certificate of Analysis

Compliance Test

Client Information:

Purple Alternative Products, LLC
8 The Green, Ste A
Dover, DE 19901

Batch # 113020232
Batch Date: 2023-11-30
Extracted From: Amanita Muscaria

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

Order # SOC231218-040001
Order Date: 2023-12-18
Sample # AAFD320
Serving Number: 5.00000

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 33.618 g

Number of Units: 1
Net Weight per Package: 25160.000 mg
Sampling Method: MSP 7.3.1



Amanita Muscaria
Tested



Psilocin
Tested



Psilocybin
Tested



Heavy Metals
Passed



Mycotoxins
Passed



Pesticides
Passed



Residual Solvents
Passed



Amanita Analytes *
Specimen Weight: 5034.180 mg

Tested

SOP 13.058 (LCMS)

Mushroom Potency Summary

Pieces For Panel: 5

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: 2023-12-21 19:57:38 Analyzed By: 1142 Date: 2023-12-20 16:45:20
Reviewed By: 1010 Date: 2023-12-22 13:47:00 Lab Batch #: AAFD320-415 Date: 2023-12-22 13:47:00

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



Mushroom Analytes *
Specimen Weight: 398.920 mg

Tested

SOP 13.058 (LCMS)

Pieces For Panel: 5

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

Prep. By: 1195 Date: 2023-12-21 17:25:09 Analyzed By: 1142 Date: 2023-12-20 17:09:31
Reviewed By: 1010 Date: 2023-12-22 16:37:57 Lab Batch #: AAFD320-371 Date: 2023-12-22 16:37:57

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. Sample not received via laboratory sampling.

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Certificate of Analysis
Compliance Test

Client Information:

Purple Alternative Products, LLC
8 The Green, Ste A
Dover, DE 19901

Batch # 113020232
Batch Date: 2023-11-30
Extracted From: Amanita Muscaria

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

Order # SOC231218-040001
Order Date: 2023-12-18
Sample # AAFD320
Serving Number: 5.00000

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 33.618 g

Number of Units: 1
Net Weight per Package: 25160.000 mg
Sampling Method: MSP 7.3.1



Heavy Metals

Specimen Weight: 250.210 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 199

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: 1264

Date: 2023-12-21 20:06:19

Analyzed By: 1264

Date: 2023-12-21 20:06:19

Reviewed By: 1142

Date: 2023-12-21 10:52:06

Lab Batch #: AAFD320-4

Date: 2023-12-21 10:52:06



Mycotoxins

Specimen Weight: 611.400 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.450

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: 1237

Date: 2023-12-20 21:35:55

Analyzed By: 1237

Date: 2023-12-20 21:35:55

Reviewed By: 1222

Date: 2023-12-20 19:21:09

Lab Batch #: AAFD320-165

Date: 2023-12-20 19:21:09



Residual Solvents - FL

Specimen Weight: 300.000 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	172.177	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: 2023-12-19 15:28:07

Analyzed By: 1152

Date: 2023-12-19 15:34:26

Reviewed By: 1051

Date: 2023-12-21 09:26:22

Lab Batch #: AAFD320-55

Date: 2023-12-21 09:26:22

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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Certificate of Analysis

Compliance Test

Client Information:

Purple Alternative Products, LLC
8 The Green, Ste A
Dover, DE 19901

Batch # 113020232
Batch Date: 2023-11-30
Extracted From: Amanita Muscaria

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

Order # SOC231218-040001
Order Date: 2023-12-18
Sample # AAFD320
Serving Number: 5.00000

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 33.618 g

Number of Units: 1
Net Weight per Package: 25160.000 mg
Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 611.400 mg
Dilution Factor: 2.450

Passed
SOP13.007 (LCMS/GCMS)

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	Imazail	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	Metaxalyl	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
Fonicamid	5.1700E-1	30	2000	<LOQ					

Prep. By: 1237 Date: 2023-12-20 21:35:55 Analyzed By: 1237 Date: 2023-12-20 21:35:55
Reviewed By: 1222 Date: 2023-12-20 19:21:09 Lab Batch #: AAFD320-202 Date: 2023-12-20 19:21:09

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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Certificate of Analysis
Compliance Test

Client Information:

**Purple Alternative
Products, LLC**
8 The Green, Ste A
Dover, DE 19901

Batch # 113020233
Batch Date: 2023-11-30
Extracted From: Amanita Muscaria

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

Order # SOC231218-040001
Order Date: 2023-12-18
Sample # AAFD321
Serving Number: 5.00000

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 32.441 g

Number of Units: 1
Net Weight per Package: 25160.000 mg
Sampling Method: MSP 7.3.1



Amanita Muscaria
Tested

Psilocin
Tested

Psilocybin
Tested

Heavy Metals
Passed

Mycotoxins
Passed

Pesticides
Passed

Residual Solvents
Passed

Amanita Analytes *
Specimen Weight: 5028.120 mg

Tested
SOP 13.058 (LCMS)

Pieces For Panel: 5

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: 2023-12-21 19:57:38 Analyzed By: 1142 Date: 2023-12-20 16:45:20
Reviewed By: 1010 Date: 2023-12-22 13:47:00 Lab Batch #: AAFD321-415 Date: 2023-12-22 13:47:00

Mushroom Analytes *
Specimen Weight: 402.190 mg

Tested
SOP 13.058 (LCMS)

Pieces For Panel: 5

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

Prep. By: 1195 Date: 2023-12-21 17:25:09 Analyzed By: 1142 Date: 2023-12-20 17:09:31
Reviewed By: 1010 Date: 2023-12-22 16:37:57 Lab Batch #: AAFD321-371 Date: 2023-12-22 16:37:57

Mushroom Potency Summary

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

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. Sample not received via laboratory sampling.

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Certificate of Analysis

Compliance Test

Client Information:

Purple Alternative Products, LLC
8 The Green, Ste A
Dover, DE 19901

Batch # 113020233
Batch Date: 2023-11-30
Extracted From: Amanita Muscaria

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

Order # SOC231218-040001
Order Date: 2023-12-18
Sample # AAFD321
Serving Number: 5.00000

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 32.441 g

Number of Units: 1
Net Weight per Package: 25160.000 mg
Sampling Method: MSP 7.3.1



Heavy Metals

Specimen Weight: 253.970 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 196

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: 1264

Date: 2023-12-21 20:06:19

Analyzed By: 1264

Date: 2023-12-21 20:06:19

Reviewed By: 1142

Date: 2023-12-21 10:52:06

Lab Batch #: AAFD321-4

Date: 2023-12-21 10:52:06



Mycotoxins

Specimen Weight: 617.840 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.430

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: 1237

Date: 2023-12-20 21:35:55

Analyzed By: 1237

Date: 2023-12-20 21:35:55

Reviewed By: 1222

Date: 2023-12-20 19:21:09

Lab Batch #: AAFD321-165

Date: 2023-12-20 19:21:09



Residual Solvents - FL

Specimen Weight: 320.500 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	107.691	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: 2023-12-19 15:28:07

Analyzed By: 1152

Date: 2023-12-19 15:34:26

Reviewed By: 1051

Date: 2023-12-21 09:26:42

Lab Batch #: AAFD321-55

Date: 2023-12-21 09:26:42

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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Certificate of Analysis
Compliance Test

Client Information:

**Purple Alternative
Products, LLC**
8 The Green, Ste A
Dover, DE 19901

Batch # 113020233
Batch Date: 2023-11-30
Extracted From: Amanita Muscaria

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

Order # SOC231218-040001
Order Date: 2023-12-18
Sample # AAFD321
Serving Number: 5.00000

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 32.441 g

Number of Units: 1
Net Weight per Package: 25160.000 mg
Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 617.840 mg
Dilution Factor: 2.430

Passed
SOP13.007 (LCMS/GCMS)

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	Imazail	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	Metaxalyl	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	Pacllobutrazol	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	32.274	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: 1237 Date: 2023-12-20 21:35:55 Analyzed By: 1237 Date: 2023-12-20 21:35:55
Reviewed By: 1222 Date: 2023-12-20 19:21:09 Lab Batch #: AAFD321-202 Date: 2023-12-20 19:21:09

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

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Certificate of Analysis
Compliance Test

Client Information:
Purple Alternative Products, LLC
8 The Green, Ste A
Dover, DE 19901

Batch # 113020234
Batch Date: 2023-11-30
Extracted From: Amanita Muscaria

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

Order # SOC231218-040001
Order Date: 2023-12-18
Sample # AAFD322
Serving Number: 5.00000

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 33.645 g

Number of Units: 1
Net Weight per Package: 25160.000 mg
Sampling Method: MSP 7.3.1



Amanita Muscaria
Tested

Psilocin
Tested

Psilocybin
Tested

Heavy Metals
Passed

Mycotoxins
Passed

Pesticides
Passed

Residual Solvents
Passed

Amanita Analytes *
Specimen Weight: 5010.710 mg

Tested
SOP 13.058 (LCMS)

Pieces For Panel: 5

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: 2023-12-21 19:57:38 Analyzed By: 1142 Date: 2023-12-20 16:45:20
Reviewed By: 1010 Date: 2023-12-22 13:47:01 Lab Batch #: AAFD322-415 Date: 2023-12-22 13:47:01

Mushroom Analytes *
Specimen Weight: 400.950 mg

Tested
SOP 13.058 (LCMS)

Pieces For Panel: 5

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

Prep. By: 1195 Date: 2023-12-21 17:25:09 Analyzed By: 1142 Date: 2023-12-20 17:09:31
Reviewed By: 1010 Date: 2023-12-22 16:37:57 Lab Batch #: AAFD322-371 Date: 2023-12-22 16:37:57

Mushroom Potency Summary

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

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. Sample not received via laboratory sampling.

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Certificate of Analysis
Compliance Test

Client Information:

Purple Alternative Products, LLC
8 The Green, Ste A
Dover, DE 19901

Batch # 113020234
Batch Date: 2023-11-30
Extracted From: Amanita Muscaria

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

Order # SOC231218-040001
Order Date: 2023-12-18
Sample # AAFD322
Serving Number: 5.00000

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 33.645 g

Number of Units: 1
Net Weight per Package: 25160.000 mg
Sampling Method: MSP 7.3.1

Heavy Metals
Specimen Weight: 252.930 mg
Dilution Factor: 197

Passed
SOP13.048 (ICP-MS)

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: 1264 Date: 2023-12-21 20:06:19 Analyzed By: 1264 Date: 2023-12-21 20:06:19
Reviewed By: 1142 Date: 2023-12-21 10:52:06 Lab Batch #: AAFD322-4 Date: 2023-12-21 10:52:06

Mycotoxins
Specimen Weight: 602.270 mg
Dilution Factor: 2.490

Passed
SOP13.007 (LCMS)

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: 1237 Date: 2023-12-20 21:35:55 Analyzed By: 1237 Date: 2023-12-20 21:35:55
Reviewed By: 1222 Date: 2023-12-20 19:21:09 Lab Batch #: AAFD322-165 Date: 2023-12-20 19:21:09

Residual Solvents - FL
Specimen Weight: 10.500 mg
Dilution Factor: 1.000

Passed
SOP13.039 (GCMS)

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	88.198	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: 2023-12-19 15:28:07 Analyzed By: 1152 Date: 2023-12-19 15:34:26
Reviewed By: 1051 Date: 2023-12-20 11:08:17 Lab Batch #: AAFD322-55 Date: 2023-12-20 11:08:17

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

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Compliance Test

Client Information:

Purple Alternative Products, LLC
8 The Green, Ste A
Dover, DE 19901

Batch # 113020234
Batch Date: 2023-11-30
Extracted From: Amanita Muscaria

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

Order # SOC231218-040001
Order Date: 2023-12-18
Sample # AAFD322
Serving Number: 5.00000

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 33.645 g

Number of Units: 1
Net Weight per Package: 25160.000 mg
Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 602.270 mg
Dilution Factor: 2.490

Passed
SOP13.007 (LCMS/GCMS)

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	Imazail	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	Metaxalyl	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	Paclbutrazol	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
Etoazole	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: 1237 Date: 2023-12-20 21:35:55 Analyzed By: 1237 Date: 2023-12-20 21:35:55
Reviewed By: 1222 Date: 2023-12-20 19:21:09 Lab Batch #: AAFD322-202 Date: 2023-12-20 19:21:09

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Definitions are found on page 1

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