ACS LABORATORY | BEYOND COMPLIANCE
721 Cortaro Dr.
Sun City Center, FL 33573
www.acslab.com
DEA No. RA0571996
FL License # CMTL-0003

Desert Stardust Mushroom Chocolate Bar - Milk Chocolate
Sample Matrix: Mushroom Edibles (Ingestion)

Certificate of Analysis

R&D

Client Information:
Erth Wellness Inc
17905 Sky Park Cir Ste J
IRVINE, California 92614

Batch # 97
Batch Date: 2026-06-01
Extracted From: NA

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

Order # ERT260611-040001
Order Date: 2026-06-11
Sample # AAHT513
Serving Number: 1.00000

Sampling Date: 2026-06-12
Lab Batch Date: 2026-06-12
Completion Date: 2026-06-24

Initial Gross Weight: 59.300 g

Number of Units: 1
Net Weight per Package: 48000.000 mg
Sampling Method: MSP 7.3.1



Pesticides	Heavy Metals	Mycotoxins	Residual Solvents	Natural Tryptamine	Synthetic Tryptamine
Passed	Tested	Tested	Tested	Tested	Tested

Metals- FL+GA - Ingestion *

Tested
Specimen Weight: 250.500 mg
SOP13.048 (ICP-MS)

Dilution Factor: 199.601

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

Mycotoxins Multi State *

Tested
Specimen Weight: 597.800 mg
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.510

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Aflatoxin B1	0.304	1.9	<LOQ	Aflatoxin G2	.271	1.9	<LOQ
Aflatoxin B2	0.077	1.9	<LOQ	Aflatoxin Total	0.077	1.9	<LOQ
Aflatoxin G1	0.304	1.9	<LOQ	Ochratoxin A	.754	3.8	<LOQ

Residual Solvents- FL+GA *

Tested
Specimen Weight: 15.400 mg
SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
1,1-Dichloroethene	0.009	1.6	<LOQ	Heptane	0.001	13.9	<LOQ
1,2-Dichloroethane	0.000	0.4	<LOQ	Hexane	0.068	11.7	<LOQ
Acetone	0.015	20.8	<LOQ	Isopropyl alcohol	0.005	13.9	<LOQ
Acetonitrile	0.060	11.7	<LOQ	Methanol	0.001	6.9	<LOQ
Benzene	0.000	0.2	<LOQ	Methylene chloride	0.003	24.3	<LOQ
Butane	0.417	25	<LOQ	Pentane	0.037	20.8	<LOQ
Chloroform	0.000	0.4	<LOQ	Propane	0.031	58.3	<LOQ
Ethanol	0.002	27.8	<LOQ	Toluene	0.001	29.2	<LOQ
Ethyl Acetate	0.001	11.1	<LOQ	Total Xylenes	0.000	29.2	<LOQ
Ethyl Ether	0.005	13.9	<LOQ	Trichloroethylene	0.001	4.9	<LOQ
Ethylene Oxide	0.004	1	<LOQ				

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

ACCREDITED CERT #6786.01

DEA REGISTERED LABORATORY #RA0571996

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. Please note that the analysis and sample image were conducted by an external laboratory. All test results are included in this COA for your reference. External testing COA is available upon request.

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QA By: 1057 on 2026-06-24 18:12:32 V1

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Order # ERT260611-040001
Order Date: 2026-06-11
Sample # AAHT513
Serving Number: 1.00000

Sampling Date: 2026-06-12
Lab Batch Date: 2026-06-12
Completion Date: 2026-06-24

Initial Gross Weight: 59.300 g

Number of Units: 1
Net Weight per Package: 48000.000 mg
Sampling Method: MSP 7.3.1

Natural Tryptamine *

Tested

Specimen Weight: N/A

SOP-002 (Agilent HPLC-DAD)

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
4-hydroxy TMT	9.874E-6	<LOQ	<LOQ	N,N-Dimethyltryptamine (DMT)	0.000168699	<LOQ	<LOQ
4-hydroxytryptamine	9.874E-6	<LOQ	<LOQ	N-NMT	9.874E-6	<LOQ	<LOQ
5-Hydroxytryptophan	9.874E-6	<LOQ	<LOQ	Norbaeocystin	9.874E-6	<LOQ	<LOQ
5-MeO-DMT	9.874E-6	<LOQ	<LOQ	Norpsilocin	9.874E-6	<LOQ	<LOQ
5-Methoxy-NMT	8.8863E-5	<LOQ	<LOQ	psilocin	9.874E-6	<LOQ	<LOQ
Adenosine	9.874E-6	<LOQ	<LOQ	psilocybin	9.874E-6	<LOQ	<LOQ
aeruginascin	9.874E-6	<LOQ	<LOQ	Serotonin	9.874E-6	<LOQ	<LOQ
baeocystin	9.874E-6	<LOQ	<LOQ	Tryptamine	9.874E-6	<LOQ	<LOQ
Bufotenine	9.874E-6	<LOQ	<LOQ	Tryptophan	9.874E-6	0.00100	0.0001

Prep. By: N/A **Date:** 2026-06-24 18:12:32 **Analyzed By:** N/A **Date:** 2026-06-24 18:12:32
Reviewed By: N/A **Date:** 2026-06-24 18:12:32 **Lab Batch #:** AAHT513-674 **Date:** 2026-06-24 18:12:32

Synthetic Tryptamine *

Tested

Specimen Weight: N/A

SOP-002 (Agilent HPLC-DAD)

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
4 AcO DET	0.00017093	<LOQ	<LOQ	4-AcO-MET	0.00017494	<LOQ	<LOQ
4 AcO MiPT	0.000173384	<LOQ	<LOQ	4-propanoyloxy DMT	0.000173557	<LOQ	<LOQ
4 HO DET	0.000166769	<LOQ	<LOQ	DiPT	0.000178418	<LOQ	<LOQ
4-AcO-DMT	0.000173647	<LOQ	<LOQ	N,N-Dimethyltryptamine (DMT)	0.000168699	<LOQ	<LOQ

Prep. By: N/A **Date:** 2026-06-24 18:12:32 **Analyzed By:** N/A **Date:** 2026-06-24 18:12:32
Reviewed By: N/A **Date:** 2026-06-24 18:12:32 **Lab Batch #:** AAHT513-675 **Date:** 2026-06-24 18:12:32

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Order Date: 2026-06-11
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Serving Number: 1.00000

Sampling Date: 2026-06-12
Lab Batch Date: 2026-06-12
Completion Date: 2026-06-24

Initial Gross Weight: 59.300 g

Number of Units: 1
Net Weight per Package: 48000.000 mg
Sampling Method: MSP 7.3.1

Pesticides - FL+ GA - Ingestion *

Passed

Specimen Weight: 597.800 mg

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.510

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	100	<LOQ	Fludioxonil	0.36	24.8	100	<LOQ
Acephate	0.141	24.8	100	<LOQ	Hexythiazox	0.113	24.8	100	<LOQ
Acequinocyl	2.178	24.8	100	<LOQ	Imazalil	0.258	24.8	100	<LOQ
Acetamiprid	0.14	24.8	100	<LOQ	Imidacloprid	0.402	24.8	400	<LOQ
Aldicarb	0.203	24.8	100	<LOQ	Kresoxim Methyl	0.182	24.8	100	<LOQ
Azoxystrobin	0.188	24.8	100	<LOQ	Malathion	0.223	24.8	200	<LOQ
Bifenazate	0.086	24.8	100	<LOQ	Metalaxyl	0.27	24.8	100	<LOQ
Bifenthrin	0.1	24.8	100	<LOQ	Methiocarb	0.118	24.8	100	<LOQ
Boscalid	0.595	24.8	100	<LOQ	Methomyl	0.064	24.8	100	<LOQ
Captan	6.430	323	700	<LOQ	methyl-Parathion	2.39	24.8	100	<LOQ
Carbaryl	0.122	24.8	500	<LOQ	Mevinphos	0.093	24.8	100	<LOQ
Carbofuran	0.086	24.8	100	<LOQ	Myclobutanil	0.573	24.8	24.8	<LOQ
Chlorantraniliprole	0.084	24.8	1000	<LOQ	Naled	0.069	24.8	250	<LOQ
Chlordane	9.671	24.8	100	<LOQ	Oxamyl	0.041	24.8	500	<LOQ
Chlorfenapyr	1.5	24.8	100	<LOQ	Paclobutrazol	0.186	24.8	100	<LOQ
Chlormequat Chloride	0.205	24.8	1000	<LOQ	Pentachloronitrobenzene	7.95	24.8	150	<LOQ
Chlorpyrifos	0.109	24.8	100	<LOQ	Permethrin	0.624	24.8	100	<LOQ
Clofentezine	0.212	24.8	200	<LOQ	Phosmet	0.127	24.8	100	<LOQ
Coumaphos	0.206	24.8	100	<LOQ	Piperonylbutoxide	0.149	24.8	3000	<LOQ
Cyfluthrin	0.98	24.8	500	<LOQ	Prallethrin	1.476	24.8	100	<LOQ
Cypermethrin	0.985	24.8	500	<LOQ	Propiconazole	0.294	24.8	100	<LOQ
Daminozide	1.655	24.8	100	<LOQ	Propoxur	0.1	24.8	100	<LOQ
Diazinon	0.212	24.8	100	<LOQ	Pyrethrins	0.067	12.9	500	<LOQ
Dichlorvos	1.13	24.8	100	<LOQ	Pyridaben	0.14	24.8	200	<LOQ
Dimethoate	0.063	24.8	100	<LOQ	Spinetoram	0.424	24.8	200	<LOQ
Dimethomorph	2.581	24.8	200	<LOQ	Spinosad	0.134	24.8	100	<LOQ
Ethoprophos	0.151	24.8	100	<LOQ	Spiromesifen	0.12	24.8	100	<LOQ
Etofenprox	0.172	24.8	100	<LOQ	Spirotetramat	0.211	24.8	100	<LOQ
Etoxazole	0.866	24.8	100	<LOQ	Spiroxamine	0.533	24.8	100	<LOQ
Fenhexamid	0.588	24.8	100	<LOQ	Tebuconazole	0.23	24.8	100	<LOQ
Fenoxycarb	0.274	24.8	100	<LOQ	Thiacloprid	0.17	24.8	100	<LOQ
Fenpyroximate	0.198	24.8	100	<LOQ	Thiamethoxam	0.179	24.8	500	<LOQ
Fipronil	0.317	24.8	100	<LOQ	Trifloxystrobin	0.705	24.8	100	<LOQ
Flonicamid	0.466	24.8	100	<LOQ					

Prep. By: 1256 **Date:** 2026-06-13 16:34:29 **Analyzed By:** 1256 **Date:** 2026-06-13 16:34:29

Reviewed By: 1183 **Date:** 2026-06-20 18:28:03 **Lab Batch #:** AAHT513-639 **Date:** 2026-06-20 18:28:03

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