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

LION MANE D9 400
Sample Matrix:
HEMP
Extract
Ingestion

Certificate of Analysis

R&D

Client Information:
ENJOY HEMP
PO BOX 310993
MIAMI, FL 33131
License #

Production Date: 2025-07-17

Batch Data:
Batch # 2507LM
Batch Date: 2025-07-17
Extracted From: 7/17/25

Order Details:
Test Reg State: Florida
Food Permit #: 397672

Order #
PRO250723-070001
Order Date: 2025-07-23
Sample # AAGY132

Sampling Date: 2025-07-24
Lab Batch Date: 2025-07-24
Orig. Completion Date: 2025-08-07

Initial Gross Weight: 194.100 g
Net Weight: 164.500 g

Net Weight per Package:
164500.000 mg

Net Weight per Serving:
1958.3333 mg
Servings Per Package:
84

Statement of Amendment: Merging reports; Report format; Updated Net Weight

Product Image

Potency	Tested
Terpenes	Tested
Heavy Metals	Passed
Mycotoxins	Passed
Pesticides	Passed
Residual Solvents	Passed
Pathogenic	Passed
Microbiology (qPCR)	Passed

Potency Summary

Delta 9 THC	**0.254%**	**Total Active CBD**	**<LOQ**
per Serving	4.97 mg	per Serving	0.00 mg
per Package	418 mg	per Package	0.00 mg
Total CBG	**<LOQ**	**Total CBN**	**<LOQ**
per Serving	0.00 mg	per Serving	0.00 mg
per Package	0.00 mg	per Package	0.00 mg
Total Cannabinoids	**0.254%**	**Total Active THC**	**0.254%**
per Serving	4.97 mg	per Serving	4.97 mg
per Package	418 mg	per Package	418 mg

Terpenes Summary

Analyte	Result (mg/g)	(%)
Farnesene	0.244	0.024%

Total Terpenes: 0.024%

Detailed Terpenes Analysis is on the following page

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

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DEA REGISTERED LABORATORY #RA0571996

Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.867), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87) , CBG Total = (CBGA * 0.878) + CBG, CBN Total = (CBNA * 0.876) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (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, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed – Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed – Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 The results apply to the sample as received. Revised report- see statement of amendment above.

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Net Weight per Serving:
1958.3333 mg
Servings Per Package:
84

Potency 10

Specimen Weight: 101.400 mg

Tested

SOP13.001 (LCUV)

Analyte	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)	Per Serving (mg)	Per Package (mg)
Delta-9 THC	0.000013	0.015	2.54	0.254	4.97	418
CBC	0.000018	0.015	<LOQ	<LOQ	0.00	0.00
CBD	0.000054	0.015	<LOQ	<LOQ	0.00	0.00
CBDA	0.00001	0.015	<LOQ	<LOQ	0.00	0.00
CBDV	0.000065	0.015	<LOQ	<LOQ	0.00	0.00
CBG	0.000248	0.015	<LOQ	<LOQ	0.00	0.00
CBGA	0.00008	0.015	<LOQ	<LOQ	0.00	0.00
CBN	0.000014	0.015	<LOQ	<LOQ	0.00	0.00
THCA-A	0.000032	0.015	<LOQ	<LOQ	0.00	0.00
THCV	0.000007	0.015	<LOQ	<LOQ	0.00	0.00
Total Active THC			2.54	0.254	4.97	418
Total Active CBD			<LOQ	<LOQ	0.00	0.00

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Definitions are found on page 1

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Sample # AAGY132

Sampling Date: 2025-07-24
Lab Batch Date: 2025-07-24
Orig. Completion Date: 2025-08-07

Initial Gross Weight: 194.100 g
Net Weight: 164.500 g

Net Weight per Package: 164500.000 mg

Net Weight per Serving: 1958.3333 mg
Servings Per Package: 84

Terpenes

Specimen Weight: 101.440 mg
Dilution Factor: 20.000

Tested
SOP13.045 (GC-MS/GC (Liquid Injection))

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
Farnesene	0.002	0.244	0.024	Fenchyl Alcohol	0.002		<LOQ
(+)-Cedrol	0.002		<LOQ	Gamma-Terpinene	0.002		<LOQ
(R)-(+)-Limonene	0.002		<LOQ	Geraniol	0.002		<LOQ
3-Carene	0.002		<LOQ	Geranyl acetate	0.002		<LOQ
alpha-Bisabolol	0.002		<LOQ	Guaiol	0.002		<LOQ
alpha-Cedrene	0.002		<LOQ	Hexahydrothymol	0.002		<LOQ
alpha-Humulene	0.002		<LOQ	Isoborneol	0.002		<LOQ
alpha-Phellandrene	0.002		<LOQ	Isopulegol	0.002		<LOQ
alpha-Pinene	0.002		<LOQ	Linalool	0.002		<LOQ
alpha-Terpinene	0.002		<LOQ	Nerol	0.002		<LOQ
beta-Myrcene	0.002		<LOQ	Ocimene	0.00033		<LOQ
beta-Pinene	0.002		<LOQ	Pulegone	0.002		<LOQ
Borneol	0.004		<LOQ	Sabinene	0.002		<LOQ
Camphene	0.002		<LOQ	Sabinene Hydrate	0.002		<LOQ
Camphors	0.006		<LOQ	Terpinolene	0.002		<LOQ
Caryophyllene oxide	0.002		<LOQ	Total Terpineol	0.00126		<LOQ
cis-Nerolidol	0.002		<LOQ	trans-Caryophyllene	0.002		<LOQ
Eucalyptol	0.002		<LOQ	trans-Nerolidol	0.002		<LOQ
Fenchone	0.002		<LOQ	Valencene	0.002		<LOQ

Total Yeast and Mold

Specimen Weight: 477.300 mg
Dilution Factor: 8.000

Passed
SOP13.017 (qPCR)

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Total Yeast/Mold	1000	100000	<LOQ

Pathogenic SAE (qPCR) FL

Specimen Weight: 1006.600 mg
Dilution Factor: 1.000

Passed
SOP13.029 (qPCR)

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	Shiga toxin-producing E. coli (STEC)	1	Absence in 1g
Salmonella	1	Absence in 1g			

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

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Sample # AAGY132

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Orig. Completion Date: 2025-08-07

Initial Gross Weight: 194.100 g
Net Weight: 164.500 g

Net Weight per Package: 164500.000 mg

Net Weight per Serving: 1958.3333 mg
Servings Per Package: 84

Heavy Metals

Specimen Weight: 249.000 mg
Dilution Factor: 200

Passed
SOP13.051 (ICP-3; icp-1)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.830	100	1500	<LOQ	Lead (Pb)	11.760	100	500	<LOQ
Cadmium (Cd)	0.640	100	500	<LOQ	Mercury (Hg)	0.580	100	3000	<LOQ

Mycotoxins

Specimen Weight: 597.800 mg
Dilution Factor: 2.510

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)
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					

Residual Solvents - FL (CBD)

Specimen Weight: 19.400 mg
Dilution Factor: 1.000

Passed
SOP13.039 (GCMS-HS)

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	1.6	8	<LOQ	Heptane	0.001	13.9	5000	<LOQ
1,2-Dichloroethane	0.000	0.4	2	<LOQ	Hexane	0.068	11.7	250	<LOQ
Acetone	0.015	20.8	750	<LOQ	Isopropyl alcohol	0.005	13.9	500	<LOQ
Acetonitrile	0.060	11.7	60	<LOQ	Methanol	0.001	6.9	250	<LOQ
Benzene	0.000	0.2	1	<LOQ	Methylene chloride	0.003	24.3	125	<LOQ
Butanes	0.417	25	5000	<LOQ	Pentane	0.037	20.8	750	<LOQ
Chloroform	0.000	0.4	2	<LOQ	Propane	0.031	58.3	5000	<LOQ
Ethanol	0.002	27.8	NA	<LOQ	Toluene	0.001	29.2	150	<LOQ
Ethyl Acetate	0.001	11.1	400	<LOQ	Total Xylenes	0.000	29.2	150	<LOQ
Ethyl Ether	0.005	13.9	500	<LOQ	Trichloroethylene	0.001	4.9	25	<LOQ
Ethylene Oxide	0.004	1	5	<LOQ					

Aixia Sun Lab Director/Principal Scientist
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164500.000 mg

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1958.3333 mg
Servings Per Package:
84

Pesticides Florida

Specimen Weight: 597.800 mg
Dilution Factor: 2.510

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	0.399	23.3	300	<LOQ	Flonicamid	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	Metalaxyl	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
Etoxazole	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

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