



Certificate of Analysis
Compliance Test

Client Information:

SOUTH TIP, LLC
21400 SW 392ND ST
HOMESTEAD, FL 33034
Order # SOU241218-010001
Order Date: 2024-12-18
Sample # AAGF950

Batch # 08262024CA
Batch Date: 2024-12-03
Extracted From: N/A

Test Reg State: Florida

Production Facility: South Tip, LLC
Production Date: 2024-12-03

Order # SOU241218-010001
Order Date: 2024-12-18
Sample # AAGF950

Sampling Date: 2024-12-23
Lab Batch Date: 2024-12-23
Completion Date: 2024-12-30

Initial Gross Weight: 25.000 g



Product Image



Potency
Tested



Terpenes
Tested



Heavy Metals
Passed



Mycotoxins
Passed



Pesticides
Passed



Moisture
Tested



Pathogenic
Passed



Microbiology (qPCR)
Passed



Filth and Foreign
Passed

Potency 10
Specimen Weight: 205.510 mg

Tested

SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
CBDA	15.000	1.00E-5	0.015	155.470	15.547
CBD	15.000	5.40E-5	0.015	9.850	0.985
THCA-A	15.000	3.20E-5	0.015	6.220	0.622
CBGA	15.000	8.00E-5	0.015	5.400	0.540
CBG	15.000	2.48E-4	0.015	1.530	0.153
Delta-9 THC	15.000	1.30E-5	0.015	1.280	0.128
CBC	15.000	1.80E-5	0.015	0.790	0.079
CBDV	15.000	6.50E-5	0.015	<LOQ	<LOQ
CBN	15.000	1.40E-5	0.015	<LOQ	<LOQ
THCV	15.000	7.00E-6	0.015	<LOQ	<LOQ
Total Active CBD	15.000			146.197	14.620
Total Active THC	15.000			6.735	0.673



Potency Summary

Total Active THC 0.673%	Total Active CBD 14.620%
Total CBG 0.627%	Total CBN None Detected
Total Cannabinoids 18.054%	



Terpenes Summary

Analyte	Result (mg/g)	(%)
beta-Myrcene	8.152	0.815%
trans-Caryophyllene	6.262	0.626%
alpha-Bisabolol	2.147	0.215%
(R)-(+)-Limonene	1.598	0.16%
alpha-Humulene	1.1	0.11%
Fenchyl Alcohol	0.355	0.035%
trans-Nerolidol	0.337	0.034%

Total Terpenes: 1.995%

Detailed Terpenes Analysis is on the following page

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



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 THC = 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, 5K4.036, 5K4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K4.036, 5K4.034. The results apply to the sample as received.

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Completion Date: 2024-12-30

Initial Gross Weight: 25.000 g



Terpenes

Specimen Weight: 205.510 mg

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

Dilution Factor: 30.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
beta-Myrcene	0.002	8.152	0.815	Eucalyptol	0.002	<LOQ	<LOQ
trans-Caryophyllene	0.002	6.262	0.626	Farnesene	0.002	<LOQ	<LOQ
alpha-Bisabolol	0.002	2.147	0.215	Fenchone	0.002	<LOQ	<LOQ
(R)-(+)-Limonene	0.002	1.598	0.160	Gamma-Terpinene	0.002	<LOQ	<LOQ
alpha-Humulene	0.002	1.100	0.110	Geraniol	0.002	<LOQ	<LOQ
Fenchyl Alcohol	0.002	0.355	0.035	Geranyl acetate	0.002	<LOQ	<LOQ
trans-Nerolidol	0.002	0.337	0.034	Guaiol	0.002	<LOQ	<LOQ
(+)-Cedrol	0.002	<LOQ	<LOQ	Hexahydrothymol	0.002	<LOQ	<LOQ
3-Carene	0.002	<LOQ	<LOQ	Isoborneol	0.002	<LOQ	<LOQ
alpha-Cedrene	0.002	<LOQ	<LOQ	Isopulegol	0.002	<LOQ	<LOQ
alpha-Phellandrene	0.002	<LOQ	<LOQ	Linalool	0.002	<LOQ	<LOQ
alpha-Pinene	0.002	<LOQ	<LOQ	Nerol	0.002	<LOQ	<LOQ
alpha-Terpinene	0.002	<LOQ	<LOQ	Ocimene	0.00033	<LOQ	<LOQ
beta-Pinene	0.002	<LOQ	<LOQ	Pulegone	0.002	<LOQ	<LOQ
Borneol	0.004	<LOQ	<LOQ	Sabinene	0.002	<LOQ	<LOQ
Camphene	0.002	<LOQ	<LOQ	Sabinene Hydrate	0.002	<LOQ	<LOQ
Camphors	0.006	<LOQ	<LOQ	Terpinolene	0.002	<LOQ	<LOQ
Caryophyllene oxide	0.002	<LOQ	<LOQ	Total Terpeneol	0.00126	<LOQ	<LOQ
cis-Nerolidol	0.002	<LOQ	<LOQ	Valencene	0.002	<LOQ	<LOQ



Moisture

Specimen Weight: N/A Dilution Factor: 1.000

Tested
SOP13.015
(Moisture Meter)



Total Yeast and Mold

Specimen Weight: 978.900 mg

Passed
SOP13.017 (qPCR)

Analyte	Action Level (%)	Result (%)
Moisture	15	11.350

Dilution Factor: 20.000

Analyte	Action Level (cfu/g)	LOQ (cfu/g)	Result (cfu/g)
Total Yeast/Mold	100000	1000	<LOQ
Prep. By: 1161	Date: 2024-12-26 10:33:42	Analyzed By: 1161	Date: 2024-12-26 10:33:42
Reviewed By: 1161	Date: 2024-12-26 17:07:46	Lab Batch #: AAGF950-435	Date: 2024-12-26 17:07:46

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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Pathogenic SAE (qPCR)
Specimen Weight: 1016.200 mg

Passed
SOP13.029 (qPCR)

Filth and Foreign Material
Specimen Weight: N/A Dilution Factor: 1.000

Passed
SOP13.020
(Electronic Balance)

Dilution Factor: 1.000

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	Salmonella	1	Absence in 1g
E.Coli	1	Absence in 1g			

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (%)	Result (%)
Covered Area	10	0.000	Weight %	1	0.000
Feces	0.5	0.000			

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Initial Gross Weight: 25.000 g



Heavy Metals

Specimen Weight: 246.890 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)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	200	<LOQ	Mercury (Hg)	.58	100	200	<LOQ



Mycotoxins

Specimen Weight: 581.200 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.580

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					

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Completion Date: 2024-12-30

Initial Gross Weight: 25.000 g

Pesticides

Specimen Weight: 581.200 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.580

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	100	<LOQ	Fludioxonil	1.7400E+0	48	100	<LOQ
Acephate	2.3000E-2	30	100	<LOQ	Hexythiazox	4.9000E-2	30	100	<LOQ
Acequinocyl	9.5640E+0	48	100	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	100	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	100	<LOQ
Azoxystrobin	8.1000E-2	10	100	16.578	Malathion	8.2000E-2	30	200	<LOQ
Bifenazate	1.4150E+0	30	100	<LOQ	Metalaxyl	8.1000E-2	10	100	<LOQ
Bifenthrin	4.3000E-2	30	200	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	100	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	700	<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	MGK-264	5.8500E-1	10	100	<LOQ
Chlorantraniliprole	3.3000E-2	10	1000	<LOQ	Myclobutanil	1.0290E+0	30	100	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Naled	9.5000E-2	30	250	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chloromequat Chloride	1.0800E-1	10	1000	<LOQ	Pacllobutrazol	6.5000E-2	30	100	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	150	<LOQ
Clofentezine	1.1900E-1	30	200	<LOQ	Permethrin	3.4300E-1	30	100	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Phosmet	8.2000E-2	30	100	<LOQ
Cyfluthrin	3.1100E+0	30	500	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cypermethrin	1.4490E+0	30	500	<LOQ	Prallethrin	7.9800E-1	30	100	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propiconazole	7.0000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyrethrins	2.3593E+1	30	500	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Pyridaben	3.2000E-2	30	200	<LOQ
Dimethomorph	5.8300E+0	48	200	<LOQ	Spinetoram	8.0000E-2	10	200	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spinosad	8.8000E-2	30	100	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	100	<LOQ
Etoxazole	9.5000E-2	30	100	<LOQ	Spirotetramat	8.9000E-2	30	100	<LOQ
Fenhexamid	5.1000E-1	10	100	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Tebuconazole	6.7000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Thiamethoxam	5.0000E-2	30	500	<LOQ
Flonicamid	5.1700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	100	<LOQ

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