



**Certificate of Analysis**  
Compliance Test

Client Information:

**Sympleaf**  
290 Hilderbrand Dr  
B-3  
Sandy Springs, GA 30328

Batch # 231AHMXB3  
Batch Date: 2023-04-04  
Extracted From:Hemp

Test Reg State:Florida

Order #GRO230404-010001  
Order Date: 2023-04-04  
Sample # AAEH764

Sampling Date: 2023-04-05  
Lab Batch Date: 2023-04-05  
Completion Date: 2023-04-09

Initial Gross Weight:23.598 g  
Net Weight: 22.698 g

Number of Units: 1  
Net Weight per Unit: 3.800 g  
Sampling Method: MSP 7.3.1



Product Image

**Potency Tested** **Heavy Metals Passed** **Mycotoxins Passed** **Pesticides Passed** **Residual Solvents Passed**

**Water Activity Tested** **Pathogenic Microbiology Passed** **Listeria Monocytogenes Passed**

**Potency 10**  
Specimen Weight: 1350.800 mg

Pieces For Panel: 6

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	100.000	5.40E-5	0.001	7.460	0.746
CBDV	100.000	6.50E-5	0.001	0.030	0.003
CBC	100.000	1.80E-5	0.001	<LOQ	<LOQ
CBDA	100.000	1.00E-5	0.001	<LOQ	<LOQ
CBG	100.000	2.48E-4	0.001	<LOQ	<LOQ
CBGA	100.000	8.00E-5	0.001	<LOQ	<LOQ
CBN	100.000	1.40E-5	0.001	<LOQ	<LOQ
Delta-9 THC	100.000	1.30E-5	0.1	<LOQ	<LOQ
THC A-A	100.000	3.20E-5	0.1	<LOQ	<LOQ
THCV	100.000	7.00E-6	0.1	<LOQ	<LOQ
Total Active CBD	100.000			7.460	0.746
Total Active THC	100.000			<LOQ	<LOQ

**Tested**  
SOP13.001 (LCUV)

**Potency Summary**

<b>Total Active THC</b> - None Detected	<b>Total Active CBD</b> 0.746% 28.350mg
<b>Total CBG</b> - None Detected	<b>Total CBN</b> - None Detected
<b>Other Cannabinoids</b> 0.003% 0.110mg	<b>Total Cannabinoids</b> 0.749% 28.460mg

**Mycotoxins**  
Specimen Weight: 271.780 mg

Dilution Factor: 5.520

Analyte/LOD	LOQ (ppb)	Action Level (ppb)	Result (ppb) Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
A atoxin B13.0400E-1	6	20	<LOQA atoxin G2	2.7100E-1		20	<LOQ
A atoxin B27.7000E-2	6	20	<LOQOchra toxin A	7.5400E-1	6	20	<LOQ
A atoxin G13.0400E-1	6	20	<LOQ		3.8		

**Passed**

**Pathogenic Microbiology**  
**SAE (MicroArray)**  
Specimen Weight: 1016.120 mg  
Dilution Factor: 1.000

Analyte	Result (cfu/g) Analyte	Result (cfu/g)
Aspergillus avus	Absence in 1gAspergillus terreus	Absence in 1g
Aspergillus fumigatus	Absence in 1gSalmonella	Absence in 1g
Aspergillus niger	Absence in 1gSTEC E. Coli	Absence in 1g

**Passed**  
SOP13.019 (Micro Array)

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

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**Pesticides**  
Specimen Weight: 271.780 mg  
Dilution Factor: 5.520

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb) Analyte	LOD (ppb) LOQ (ppb) Action Level (ppb) Result
Abamectin	2.8800E-1	28.23	300	<LOQ Fludioxonil	1.7400E+0 48 3000 <LOQ Analyte
Acephate	2.3000E-2	30	3000	<LOQ Hexythiazox	4.9000E-2 30 2000 <LOQ Water Activity
Acetaminoprid	5.2000E-2	30	3000	<LOQ Imazalil	2.4800E-1 30 100 <LOQ
Aldicarb	2.6000E-2	30	100	<LOQ Imidacloprid	9.4000E-2 30 3000 <LOQ
Axoxystrobin	8.1000E-2	10	3000	<LOQ Kresoxim Methyl	4.2000E-2 30 1000 <LOQ
Bifenazate	1.4150E+0	30	3000	<LOQ Malathion	8.2000E-2 30 2000 <LOQ
Bifenthrin	4.3000E-2	30	500	<LOQ Metalaxyl	8.1000E-2 10 3000 <LOQ Analyte
Boscalid	5.5000E-2	10	3000	<LOQ Methiocarb	3.2000E-2 30 100 <LOQ
Captan	6.1200E+0	30	3000	<LOQ Methomyl	2.2000E-2 30 100 <LOQ
Carbaryl	2.2000E-2	10	500	<LOQ methyl-Parathion	1.7100E+0 10 100 <LOQ
Carbofuran	3.4000E-2	10	100	<LOQ Mevinphos	2.1500E+0 10 100 <LOQ
Chlorantraniliprole	3.3000E-2	10	3000	<LOQ Myclobutanil	1.0290E+0 30 3000 <LOQ
Chlordane	1.0000E+1	10	100	<LOQ Naled	9.5000E-2 30 500 <LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ Oxamyl	2.5000E-2 30 500 <LOQ
Chloromequat Chloride	1.0800E-1	10	3000	<LOQ Paclbutrazol	6.5000E-2 30 100 <LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ Pentachloronitrobenzene	1.3200E+0 10 200 <LOQ
Clofentazine	1.1900E-1	30	500	<LOQ Permethrin	3.4300E-1 30 1000 <LOQ
Coumaphos	3.7700E+0	48	100	<LOQ Phosmet	8.2000E-2 30 200 <LOQ
Cyuthrin	3.1100E+0	30	1000	<LOQ Piperonylbutoxide	2.9000E-2 30 3000 <LOQ
Cypermethrin	1.4490E+0	30	1000	<LOQ Prallethrin	7.9800E-1 30 400 <LOQ
Daminozide	8.8500E-1	30	100	<LOQ Propiconazole	7.0000E-2 30 1000 <LOQ
Diazinon	4.4000E-2	30	200	<LOQ Propoxur	4.6000E-2 30 100 <LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ Pyrethrins	2.3593E+1 30 1000 <LOQ
Dimethoate	2.1000E-2	30	100	<LOQ Pyridaben	3.2000E-2 30 3000 <LOQ
Dimethomorph	5.8300E+0	48	3000	<LOQ Spinetoram	8.0000E-2 10 3000 <LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ Spinosad	8.8000E-2 30 3000 <LOQ
Etofenprox	1.1600E-1	30	100	<LOQ Spiromesifen	2.6100E-1 30 3000 <LOQ
Etoxazole	9.5000E-2	30	1500	<LOQ Spirotetramat	8.9000E-2 30 3000 <LOQ
Fenhexamid	5.1000E-1	10	3000	<LOQ Spirooxamine	1.3100E-1 30 100 <LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ Tebuconazole	6.7000E-2 30 1000 <LOQ
Fenpyroximate	1.3800E-1	30	2000	<LOQ Thiacloprid	6.4000E-2 30 100 <LOQ
Fipronil	1.0700E-1	30	100	<LOQ Thiamethoxam	5.0000E-2 30 1000 <LOQ
Flonicamid	5.1700E-1	30	2000	<LOQ Trioxystrobin	3.7000E-2 30 3000 <LOQ

**Passed**  
SOP13.007  
(LCMS/GCMS)

**Water Activity**  
Net Weight: 22.698 g

**Tested**  
SOP13.016  
(Water Activity Analyzer)

**Listeria Monocytogenes**  
Specimen Weight: 992.000 mg

**Passed**  
SOP13.032  
(qPCR)

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

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**Residual Solvents - FL (CBD)**  
Specimen Weight: 13.600 mg

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		8	<LOQ	Heptane	0.0013		5000	<LOQ
1,2-Dichloroethane	0.0003	0.16	5	<LOQ	Hexane	0.068	1.39	290	<LOQ
Acetone	0.015	0.04	5000	<LOQ	Isopropyl alcohol	0.0048	1.17	500	<LOQ
Acetonitrile	0.06	2.08	410	<LOQ	Methanol	0.0005	1.39	3000	36.846
Benzene	0.0002	1.17	2	<LOQ	Methylene chloride	0.0029	0.69	600	<LOQ
Butanes	0.4167	0.02	2000	<LOQ	Pentane	0.037	2.43	5000	<LOQ
Chloroform	0.0001	2.5	60	<LOQ	Propane	0.031	2.08	2100	<LOQ
Ethanol	0.0021	0.04	5000	136.718	Toluene	0.0009	5.83	890	<LOQ
Ethyl Acetate	0.0012	2.78	5000	<LOQ	Total Xylenes	0.0001	2.92	2170	<LOQ
Ethyl Ether	0.0049	1.11	5000	<LOQ	Trichloroethylene	0.0014	2.92	80	<LOQ
Ethylene Oxide	0.0038	1.39	5	<LOQ			0.49		

**Passed**

SOP13.039 (GCMS)

**Heavy Metals**  
Specimen Weight: 250.060 mg

Dilution Factor:

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)			1500	<LOQ	Lead (Pb)	11.76		500	<LOQ
Cadmium (Cd)	4.83	100	500	<LOQ	Mercury (Hg)	.58	100	3000	<LOQ
	.64	100					100		

**Passed**

SOP13.048 (ICP-MS)

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



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