



**Certificate of Analysis**  
Compliance Test

Client Information:

**Sympleaf**

290 Hilderbrand Dr  
B-3

Sandy Springs, GA 30328

Order #GR0230406-020001

Order Date: 2023-04-06

Sample # AAEH995

Batch # 233CNMXB3  
Batch Date: 2023-04-06  
Extracted From:Hemp

Test Reg State:Florida

Sampling Date: 2023-04-07  
Lab Batch Date: 2023-04-07  
Completion Date: 2023-04-12

Initial Gross Weight:23.152 g  
Net Weight: 22.252 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: 1542.600 mg

Pieces For Panel: 6

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	100.000	5.40E-5	0.001	8.490	0.849
CBN	100.000	1.40E-5	0.001	2.520	0.252
CBC	100.000	1.80E-5	0.001	0.060	0.006
CBDV	100.000	6.50E-5	0.001	0.030	0.003
CBGA	100.000	8.00E-5	0.001	0.010	0.001
CBDVA	100.000	1.00E-5	0.001	<LOQ	<LOQ
CBG	100.000	2.48E-4	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			8.490	0.849
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>	0.849%	32.260mg
<b>Total CBG</b>	None Detected	<b>Total CBN</b>	0.252%	9.580mg
<b>Other Cannabinoids</b>	0.340mg	<b>Total Cannabinoids</b>	1.111%	42.220mg

**Residual Solvents - FL (CBD)**  
Specimen Weight: 12.100 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	46.751
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	239.169	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**



**Pathogenic Microbiology**

**SAE (MicroArray)**

Specimen Weight: 1017.500 mg  
Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus avus	Absence in 1g	Aspergillus terreus	Absence in 1g
Aspergillus fumigatus	Absence in 1g	Salmonella	Absence in 1g
Aspergillus niger	Absence in 1g	STEC E. Coli	Absence in 1g

**Passed**

SOP13.019  
(Micro Array)

**Water Activity**

Net Weight: 22.252 g

Dilution Factor: 1.000

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.85	0.626

**Tested**

SOP13.016  
(Water Activity Analyzer)

*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 \* 0.87). Total Active THC = THCA-A \* 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA \* 0.87). CBG Total = (CBGA \* 0.877) + CBG. CBN Total = (CBNA \* 0.877) + 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. Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section. Total Detected Cannabinoids = Delta6a10a-THC + Delta8-THC + Total CBN + CBT + CBE + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CACB + Total CBDV + Delta10-THC + Total THC-O-Acetate + Total THCP. (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 (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram, Passed - Analyte/microbe is non-detected or at the level below the action limit, Failed - Analyte/microbe is at the level that equal or above the action limit, \*Measurement of Uncertainty = +/- 10%

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Extracted From:Hemp

Test Reg State:Florida

Order #GRO230406-020001  
Order Date: 2023-04-06  
Sample # AAEH995

Sampling Date: 2023-04-07  
Lab Batch Date: 2023-04-07  
Completion Date: 2023-04-12

Initial Gross Weight:23.152 g  
Net Weight: 22.252 g

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

**Pesticides**  
Specimen Weight: 264.230 mg  
Dilution Factor: 5.680

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

**Listeria Monocytogenes**  
Specimen Weight: 1020.300 mg

**Passed**  
SOP13.032  
(qPCR)

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	1.7400E+0483000	<LOQ	1	Absence in 1g
Acephate	2.3000E-2	30	3000	<LOQ	4.9000E-2	30	2000	<LOQ
Acequinocyl	9.5640E+0	48	2000	<LOQ	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	3000	<LOQ	9.4000E-2	30	3000	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	4.2000E-2	30	1000	<LOQ
Azinx	8.1000E-2	10	3000	<LOQ	8.2000E-2	30	2000	<LOQ
Bifenazate	1.4150E+0	30	3000	<LOQ	8.1000E-2	10	3000	<LOQ
Bifenthrin	4.3000E-2	30	500	<LOQ	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	3000	<LOQ	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	3000	<LOQ	1.7100E+0	10	100	<LOQ
Carbaryl	2.2000E-2	10	500	<LOQ	2.1500E+0	10	100	<LOQ
Carbofuran	3.4000E-2	10	100	<LOQ	1.0290E+0	30	3000	<LOQ
Chlorantraniliprole	3.3000E-2	10	3000	<LOQ	9.5000E-2	30	500	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	2.5000E-2	30	500	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	6.5000E-2	30	100	<LOQ
Chlorquats Chloride	1.0800E-1	10	3000	<LOQ	1.3200E+0	10	200	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	3.4300E-1	30	1000	<LOQ
Clofentezine	1.1900E-1	30	500	<LOQ	8.2000E-2	30	200	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	2.9000E-2	30	3000	<LOQ
Cyfluthrin	3.1100E+0	30	1000	<LOQ	7.9800E-1	30	400	<LOQ
Cypermethrin	1.4490E+0	30	1000	<LOQ	7.0000E-2	30	1000	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	4.6000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	200	<LOQ	2.3593E+1	30	1000	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	3.2000E-2	30	3000	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	8.0000E-2	10	3000	<LOQ
Dimethomorph	5.8300E+0	48	3000	<LOQ	8.8000E-2	30	3000	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	2.6100E-1	30	3000	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	8.9000E-2	30	3000	<LOQ
Etoxazole	9.5000E-2	30	1500	<LOQ	1.3100E-1	30	100	<LOQ
Fenhexamid	5.1000E-1	10	3000	<LOQ	6.7000E-2	30	1000	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	6.4000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	2000	<LOQ	5.0000E-2	30	1000	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	3.7000E-2	30	3000	<LOQ
Flonicamid	5.1700E-1	30	2000	<LOQ				

**Mycotoxins**  
Specimen Weight: 264.230 mg  
Dilution Factor: 5.680

**Passed**  
SOP13.007 (LCMS)

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

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
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Definitions are found on page 1

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**Heavy Metals**

Specimen Weight: 254.300 mg

**Passed**

SOP13.048 (ICP-MS)

Dilution	Factor:	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb) Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
196	Analyte								
	Arsenic (As)	4.83	100	1500	<LOQ	11.76		500	<LOQ
	Cadmium (Cd)	.64	100	500	<LOQ	.58	100	3000	<LOQ

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