



Certificate of Analysis
Compliance Test

Client Information:

Sympleaf

290 Hilderbrand Dr
B-3

Sandy Springs, GA 30328

Batch # 233CNMXB3
Batch Date: 2023-04-06
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



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

Tested
SOP13.001 (LCUV)

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

Potency Summary

Total Active THC	None Detected	Total Active CBD	0.849%	32.260mg
Total CBG	None Detected	Total CBN	0.252%	9.580mg
Other Cannabinoids	0.340mg	Total Cannabinoids	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

SOP13.039 (GCMS)



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

Water Activity
Net Weight: 22.252 g

Dilution Factor: 1.000

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

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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 CBC + 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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Net Weight: 22.252 g

Number of Units: 1
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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) Analyte	Result (ppb) Analyte	Action Level (cfu/g)	Result
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		
Azoxystrobin	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		
Fonicamid	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) Analyte	Result (ppb) Analyte	
A atoxin B13.0400E-1		6	20	<LOQ	2.7100E-1	20	<LOQ
A atoxin B27.7000E-2		6	20	<LOQ	7.5400E-1	6	<LOQ
A atoxin G13.0400E-1		6	20	<LOQ		3.8	<LOQ

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De nitions are found on page 1

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Heavy Metals

Specimen Weight: 254.300 mg

Dilution Factor:

196 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	1500	<LOQ Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	500	<LOQ Mercury (Hg)	.58	100	3000	<LOQ

Passed

SOP13.048 (ICP-MS)

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