



**Certificate of Analysis**  
Compliance Test

Client Information:

**SPEEDY GROW, INC.**  
2138 WEST BOND STREET  
GRAND JUNCTION, CO 81505

Batch # 21323-TP  
Batch Date: 2023-04-03  
Extracted From: Hemp

Test Reg State: Utah

Order # SPE230403-020001  
Order Date: 2023-04-03  
Sample # AAEH611

Sampling Date: 2023-04-04  
Lab Batch Date: 2023-04-04  
Completion Date: 2023-04-17

Initial Gross Weight: 59.490 g  
Net Weight: 51.990 g

Number of Units: 1  
Net Weight per Unit: 5199.000 mg  
Sampling Method: MSP 7.3.1



Product Image

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

**Delta 8/Delta 10 Potency 13 - (LCUV)**

Specimen Weight: 1510.700 mg

Pieces For Panel: 10

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	5.40E-5	0.0015	32.160	3.216
Delta-8 THC	2.60E-5	0.0015	2.920	0.292
CBG	2.48E-4	0.0015	1.320	0.132
CBN	1.40E-5	0.0015	1.220	0.122
CBDV	6.50E-5	0.0015	0.080	0.008
CBC	1.80E-5	0.0015	<LOQ	<LOQ
CBDA	1.00E-5	0.0015	<LOQ	<LOQ
CBGA	8.00E-5	0.0015	<LOQ	<LOQ
Delta-10 THC	3.00E-6	0.0015	<LOQ	<LOQ
Delta-9 THC	1.30E-5	0.1	<LOQ	<LOQ
Delta6a10a-THC	8.47E-5	0.0015	<LOQ	<LOQ
THCA-A	3.20E-5	0.0015	<LOQ	<LOQ
THCV	7.00E-6	0.0015	<LOQ	<LOQ
Total Active CBD			32.160	3.216
Total Active THC			<LOQ	<LOQ

**Tested**  
SOP13.052 (LCUV)

**Potency Summary**

<b>Total Delta 8</b> 0.292% 15.180mg	<b>Total Delta 10</b> None Detected
<b>Total Active THC</b> None Detected	<b>Total Active CBD</b> 3.216% 167.200mg
<b>Total CBG</b> 0.132% 6.860mg	<b>Total CBN</b> 0.122% 6.340mg
<b>Other Cannabinoids</b> 0.008% 0.420mg	<b>Total Cannabinoids</b> 3.770% 196.000mg

**Terpenes Summary**

Analyte	Result (mg/g) (%)
<b>Total Terpenes: 0.000%</b>	

Detailed Terpenes Analysis is on the following page

**Mycotoxin - Utah**

Specimen Weight: 265.960 mg

Dilution Factor: 5.640

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					

**Passed**

SOP13.007 (LCMS)

**Pathogenic Microbiology SAE (MicroArray)**

Specimen Weight: 1006.630 mg

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus flavus	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)

*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 THC = 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: 51.990 g

Number of Units: 1  
Net Weight per Unit: 5199.000 mg  
Sampling Method: MSP 7.3.1

**Pesticides (UT Levels)**  
Specimen Weight: 265.960 mg

Dilution Factor: 5.640

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	500	<LOQ	Fludioxonil	1.7400E+0	30	400	<LOQ
Acephate	2.3000E-2	30	400	<LOQ	Hexythiazox	4.9000E-2	30	1000	<LOQ
Acequinocyl	9.5640E+0	48	2000	<LOQ	Imazalil	2.4800E-1	30	200	<LOQ
Acetamiprid	5.2000E-2	30	200	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Aldicarb	2.6000E-2	30	400	<LOQ	Kresoxim Methyl	4.2000E-2	30	400	<LOQ
Azoxystrobin	8.1000E-2	10	200	<LOQ	Metalaxyl	8.1000E-2	10	200	<LOQ
Bifenazate	1.4150E+0	30	200	<LOQ	Methiocarb	2.2000E-2	30	200	<LOQ
Bifenthrin	4.3000E-2	30	200	<LOQ	Methomyl	2.2000E-2	30	400	<LOQ
Boscalid	5.5000E-2	30	400	<LOQ	MGK-264		48	200	<LOQ
Carbaryl	2.2000E-2	10	200	<LOQ	Myclobutanil	1.0290E+0	30	200	<LOQ
Carbofuran	3.4000E-2	30	200	<LOQ	Naled	9.5000E-2	30	500	<LOQ
Chlorantraniliprole	3.3000E-2	30	200	<LOQ	Oxamyl	2.5000E-2	30	1000	<LOQ
Chlorfenapyr	8.0000E-2	48	1000	<LOQ	Pacllobutrazol	6.5000E-2	30	400	<LOQ
Chlorpyrifos	3.5000E-2	30	200	<LOQ	Phosmet	8.2000E-2	30	200	<LOQ
Clofentezine	1.1900E-1	30	200	<LOQ	Piperonylbutoxide	2.9000E-2	30	2000	<LOQ
Cyfluthrin	3.1100E+0	30	1000	<LOQ	Prallethrin	7.9800E-1	30	200	<LOQ
Cypermethrin	1.4490E+0	30	1000	<LOQ	Propiconazole	7.0000E-2	30	400	<LOQ
Daminozide	8.8500E-1	30	1000	<LOQ	Propoxur		30	200	<LOQ
Diazinon	4.4000E-2	30	200	<LOQ	Pyrethrins	2.3593E+1	30	1000	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyridaben	3.2000E-2	30	200	<LOQ
Dimethoate	2.1000E-2	30	200	<LOQ	Spinosad	8.8000E-2	30	200	<LOQ
Ethoprophos	3.6000E-1	30	200	<LOQ	Spiromesifen	2.6100E-1	30	200	<LOQ
Etofenprox	1.1600E-1	30	400	<LOQ	Spirotetramat	8.9000E-2	30	200	<LOQ
Etoxazole	1.1600E-1	30	200	<LOQ	Spiroxamine	1.3100E-1	30	400	<LOQ
Fenoxycarb	1.0700E-1	30	200	<LOQ	Tebuconazole	6.7000E-2	30	400	<LOQ
Fenpyroximate	1.3800E-1	30	400	<LOQ	Thiacloprid	6.4000E-2	30	200	<LOQ
Fipronil	1.0700E-1	30	400	<LOQ	Thiamethoxam	5.0000E-2	30	200	<LOQ
Flonicamid	5.1700E-1	30	1000	<LOQ	Trifloxystrobin	3.7000E-2	30	200	<LOQ

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

**Microbiology (qPCR)**  
Specimen Weight: 491.600 mg

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Remark	Analyte	Result (cfu/g)	Remark
Total Aerobic Count	Not Detected	Not Detected	Total Enterobacteriaceae	Not Detected	Not Detected
Total Coliform	Not Detected	Not Detected	Total Yeast/Mold	Not Detected	Not Detected

**Listeria Monocytogenes**  
Specimen Weight: 1047.100 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Listeria Monocytogenes	1	Absence in 1g

**Residual Solvents - FL (CBD)**  
Specimen Weight: 7.100 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	0.16	8	<LOQ	Heptane	0.0013	1.39	5000	<LOQ
1,2-Dichloroethane	0.0003	0.04	5	<LOQ	Hexane	0.068	1.17	290	<LOQ
Acetone	0.015	2.08	5000	<LOQ	Isopropyl alcohol	0.0048	1.39	500	<LOQ
Acetonitrile	0.06	1.17	410	<LOQ	Methanol	0.0005	0.69	3000	<LOQ
Benzene	0.0002	0.02	2	<LOQ	Methylene chloride	0.0029	2.43	600	<LOQ
Butanes	0.4167	2.5	2000	<LOQ	Pentane	0.037	2.08	5000	<LOQ
Chloroform	0.0001	0.04	60	<LOQ	Propane	0.031	5.83	2100	<LOQ
Ethanol	0.0021	2.78	5000	384.635	Toluene	0.0009	2.92	890	<LOQ
Ethyl Acetate	0.0012	1.11	5000	<LOQ	Total Xylenes	0.0001	2.92	2170	<LOQ
Ethyl Ether	0.0049	1.39	5000	<LOQ	Trichloroethylene	0.0014	0.49	80	<LOQ
Ethylene Oxide	0.0038	0.1	5	<LOQ					

**Passed**  
SOP13.039 (GCMS)

*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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**Terpenes**  
Specimen Weight: 1503.300 mg

**Tested**  
SOP13.045 (GC/GCMS)

Dilution Factor: 20.000

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

**Total Terpenes: 0.000%**

**Heavy Metals**  
Specimen Weight: 247.300 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	1500	<LOQ	Lead (Pb)	11.76	100	500	279.000
Cadmium (Cd)	.64	100	500	<LOQ	Mercury (Hg)	.58	100	3000	<LOQ

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