



Certificate of Analysis

CANNABUSINESS LABORATORIES, LLC

Customer:

Goeing Blue LLC
300 E. Main STE 150

Lexington, KY 40507
CULT0001034

Received Date **11/19/2025**

Collection Date **11/13/2025**

COA Released **11/26/2025**

Comments

Sample ID **251119023**

Order Number **MC251119003**

Sample Name **1A422010000000100000003
1**

External Sample ID **Emerald Fire 11.4.25
MB**

Batch Number **1A422010000000100000001
3**

Product Type **Flower**

Sample Type **Buds**

CANNABINOID PROFILE

Analyte	LOQ (%)	% Dry Weight	mg/g
CBC	0.01	ND	ND
CBD	0.01	ND	ND
CBDa	0.01	0.058	0.576
CBDV	0.01	ND	ND
CBG	0.01	0.115	1.155
CBGa	0.01	1.388	13.88
CBN	0.01	ND	ND
d8-THC	0.01	ND	ND
d9-THC	0.01	0.250	2.497
THCa	0.01	24.07	240.7
THCV	0.01	ND	ND
Total Cannabinoids		25.88	258.8
Total Potential THC		21.36	213.6
Total Potential CBD		0.051	0.505
Total Potential CBG		1.334	13.34

Ratio of Total Potential CBD to Total Potential THC **0.00 : 1**

Ratio of Total Potential CBG to Total Potential THC **0.06 : 1**

*Total Cannabinoids refers to the sum of all cannabinoids detected.

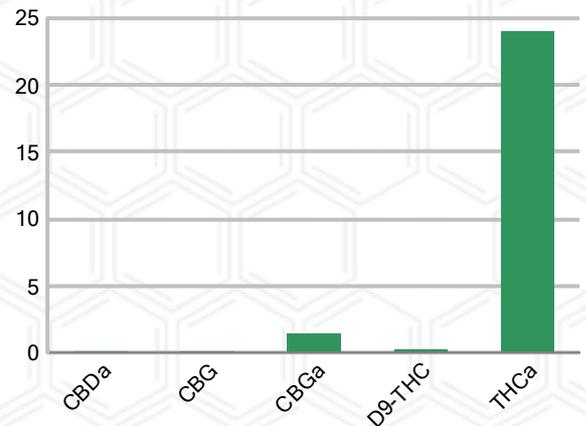
*Total Potential CBD = (0.877 x CBDa) + CBD. *Total Potential THC = (0.877 x THCa) + THC. *Total Potential CBG = (0.877 x CBGa) + CBG.

*Total Potential THC/CBD are calculated to take into account the loss of an acid group during decarboxylation.

SAMPLE IMAGE



CANNABINOIDS % Dry Weight



J. Hobgood
Laboratory Manager

SIGNATURE

Jamie Hobgood

LABORATORY MANAGER

11/26/2025 9:40 PM

DATE

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Overall Batch Results	
PASS	
Metals PASS	Microbial - Flower PASS
Mycotoxins PASS	Pesticides (APCI) PASS
Pesticides (ESI) PASS	Potency - Flower PASS
Terpenoids	Water Activity PASS

Sample Name: 1A4220100000001000000031
Sample ID: 251119023
Order Number: MC251119003
Product Type: Flower
Sample Type: Buds
Received Date: 11/19/2025
Batch Number: 1A4220100000001000000013
Collection Date: 11/13/2025

COA released: 11/26/2025 9:40 PM

Potency - Flower

Date Tested: 11/21/2025 Method: CB-SOP-028 Instrument: HPLC-PDA#1(HempAnalyzer3)

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
CBC (Cannabichromene)	ND	%	0.010	0.005		
CBC (Cannabichromene) mg/g	ND	mg/g	0.100	0.05		
CBD (Cannabidiol)	ND	%	0.010	0.005		
CBD (Cannabidiol) mg/g	ND	mg/g	0.100	0.05		
CBDa (Cannabidiolic Acid)	0.058	%	0.010	0.005		
CBDa (Cannabidiolic Acid) mg/g	0.576	mg/g	0.100	0.05		
CBDV (Cannabidivarin)	ND	%	0.010	0.005		
CBDV (Cannabidivarin) mg/g	ND	mg/g	0.100	0.05		
CBG (Cannabigerol)	0.115	%	0.010	0.005		
CBG (Cannabigerol) mg/g	1.155	mg/g	0.100	0.05		
CBGa (Cannabigerolic Acid)	1.388	%	0.010	0.005		
CBGa (Cannabigerolic Acid) mg/g	13.88	mg/g	0.100	0.05		
CBN (Cannabinol)	ND	%	0.010	0.005		
CBN (Cannabinol) mg/g	ND	mg/g	0.100	0.05		
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010	0.005		
D8-THC (D8-Tetrahydrocannabinol) mg/g	ND	mg/g	0.100	0.05		
D9-THC (D9-Tetrahydrocannabinol)	0.250	%	0.010	0.005	35	Pass
D9-THC (D9-Tetrahydrocannabinol) mg/g	2.497	mg/g	0.100	0.05		
THCa (Tetrahydrocannabinolic Acid)	24.07	%	0.010	0.005		
THCa (Tetrahydrocannabinolic Acid) mg/g	240.7	mg/g	0.100	0.05		
THCV (Tetrahydrocannabivarin)	ND	%	0.010	0.005		
THCV (Tetrahydrocannabivarin) mg/g	ND	mg/g	0.100	0.05		
Percent Moisture	10	%	1.000	1		

Microbial - Flower

Date Tested: 11/26/2025 Method: Instrument: qPCR

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
Aspergillus spp.	Negative				Positive	Pass

M of U = Measurement, NT = Not tested, ND = Not detected; LOQ = Limit of Quantitation; <LOQ = Detected; >ULOL = Above upper limit of linearity; CFU/g = Colony forming units per 1 gram; TNTC = Too numerous to count

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Microbial - Flower

Date Tested: 11/26/2025 Method: Instrument: qPCR

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
E.coli by Plating	0	CFUs		0	100	Pass
Listeria monocytogenes	Negative					
Listeria spp.	Negative					
Salmonella spp.	Negative				Positive	Pass
Shiga toxin-producing E. coli (STEC)	Negative				Positive	Pass
Total Yeast and Mold	2210	CFUs	0	0	10000	Pass

Mycotoxins

Date Tested: 11/22/2025 Method: CB-SOP-025 Instrument: LC-MS 8050 (#2)

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
Aflatoxin B1	ND	ug/kg	1.000	1		
Aflatoxin B2	ND	ug/kg	1.000	1		
Aflatoxin G1	ND	ug/kg	1.000	1		
Aflatoxin G2	ND	ug/kg	1.000	1		
Ochratoxin-M+H	ND	ug/kg	2.000	2	20	Pass
Total Aflatoxins	ND	ug/kg	4.000	4	20	Pass

Metals

Date Tested: 11/25/2025 Method: CB-SOP-027 Instrument: iCAP-Qc

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
Arsenic	ND	ppm	0.200	0.125	0.2	Pass
Cadmium	ND	ppm	0.200	0.125	0.2	Pass
Lead	ND	ppm	0.200	0.125	0.5	Pass
Mercury	ND	ppm	0.100	0.1	0.1	Pass

Potency - Flower

Date Tested: 11/21/2025 Method: CB-SOP-028 Instrument: HPLC-PDA#1(HempAnalyzer3)

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
Percent Moisture	10	%	1.000	1		

Pesticides (APCI)

Date Tested: 11/22/2025 Method: CB-SOP-053 Instrument: LC-MS 8050 (#1)

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
Acequinocyl	ND	ppm	0.100	0.1	2.0	Pass
Captan	NT	ppm	0.100	0.1		
Chlordane	NT	ppm	0.100	0.1		
Chlorfenapyr	ND	ppm	0.100	0.1	1.0	Pass
Methylparathion	ND	ppm	0.100	0.1	0.2	Pass
MGK-264 (20.1)	ND	ppm	0.040	0.0402		
MGK-264 (79.9)	ND	ppm	0.160	0.1598		
Pentachloronitrobenzene (PCNB)	ND	ppm	0.100	0.1		

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Pesticides (ESI)

Date Tested: 11/22/2025 Method: CB-SOP-025 Instrument: LC-MS 8050 (#2)

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
AbamectinB1a	ND	ppm	0.009	0.0094	0.5	Pass
Acephate	ND	ppm	0.010	0.01	0.4	Pass
Acetamiprid	ND	ppm	0.010	0.01	0.2	Pass
Aldicarb	ND	ppm	0.010	0.01	0.4	Pass
Atrazine	ND	ppm	0.010	0.01		
Azoxystrobin	ND	ppm	0.010	0.01	0.2	Pass
Bifenazate	ND	ppm	0.010	0.01	0.2	Pass
Bifenthrin	ND	ppm	0.010	0.01	0.2	Pass
Boscalid	ND	ppm	0.010	0.01	0.4	Pass
Carbaryl	ND	ppm	0.010	0.01	0.2	Pass
Carbofuran	ND	ppm	0.010	0.01	0.2	Pass
Buprofezin	ND	ppm	0.010	0.01		
Chlorantraniliprole	ND	ppm	0.010	0.01	0.2	Pass
Chloromequat chloride	ND	ppm	0.010	0.01	0.2	Pass
Chlorpyrifos	ND	ppm	0.010	0.01	0.2	Pass
cis-Permethrin	ND	ppm	0.002	0.0024		
cis-Tetramethrin	ND	ppm	0.003	0.0025		
Clofentezine	ND	ppm	0.010	0.01	0.2	Pass
Clothianidin	ND	ppm	0.010	0.01		
Coumaphos	ND	ppm	0.010	0.01		
Cyfluthrin	ND	ppm	0.550	0.55	1.0	Pass
Cypermethrin	ND	ppm	0.110	0.11	1.0	Pass
Cyprodinil	ND	ppm	0.010	0.01		
Daminozide	ND	ppm	0.010	0.01	1.0	Pass
Diazinon	ND	ppm	0.010	0.01	0.2	Pass
Dichlorvos	ND	ppm	0.100	0.1	0.1	Pass
Dimethoate	ND	ppm	0.010	0.01	0.2	Pass
Dinotefuran	ND	ppm	0.010	0.01		
Dodemorph	ND	ppm	0.010	0.01		
E-Dimethomorph	ND	ppm	0.004	0.0035		
Ethoprophos	ND	ppm	0.010	0.01	0.2	Pass
Etofenprox	ND	ppm	0.010	0.01	0.4	Pass
Etoxazole	ND	ppm	0.010	0.01	0.2	Pass
Fenhexamid	ND	ppm	0.010	0.01		
Fenoxycarb	ND	ppm	0.010	0.01	0.2	Pass
Fenpyroximate	ND	ppm	0.010	0.01	0.4	Pass
Fipronil	ND	ppm	0.010	0.01	0.4	Pass
Flonicamid	ND	ppm	0.010	0.01	1.0	Pass
Fludioxonil	ND	ppm	0.010	0.01	0.4	Pass
Fluopyram	ND	ppm	0.010	0.01		
Hexythiazox	ND	ppm	0.010	0.01	1.0	Pass

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Pesticides (ESI)

Date Tested: 11/22/2025 Method: CB-SOP-025 Instrument: LC-MS 8050 (#2)

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
Imazalil	ND	ppm	0.010	0.01	0.2	Pass
Imidacloprid	ND	ppm	0.010	0.01	0.4	Pass
Kresoxym-methyl	ND	ppm	0.010	0.01	0.4	Pass
Malathion	ND	ppm	0.010	0.01	0.2	Pass
Metalaxyl	ND	ppm	0.010	0.01	0.2	Pass
Methiocarb	ND	ppm	0.010	0.01	0.2	Pass
Methomyl	ND	ppm	0.010	0.01	0.4	Pass
Myclobutanil	ND	ppm	0.020	0.02	0.2	Pass
Naled	ND	ppm	0.010	0.01	0.5	Pass
Oxamyl	ND	ppm	0.010	0.01	1.0	Pass
Paclobutrazol	ND	ppm	0.010	0.01	0.4	Pass
Permethrins	ND	ppm	0.010	0.01	0.2	Pass
Phosmet	ND	ppm	0.010	0.01	0.2	Pass
Piperonyl Butoxide	ND	ppm	0.010	0.01	2.0	Pass
Pirimicarb	ND	ppm	0.010	0.01		
Prallethrin	ND	ppm	0.010	0.01	0.2	Pass
Propiconazole	ND	ppm	0.010	0.01	0.4	Pass
Propoxur	ND	ppm	0.010	0.01	0.2	Pass
Pyraclostrobin	ND	ppm	0.010	0.01		
Pyrethrin I	ND	ppm	0.003	0.0029		
Pyrethrin II	ND	ppm	0.002	0.002		
Pyrethrins	ND	ppm	0.010	0.01	1.0	Pass
Pyridaben	ND	ppm	0.010	0.01	0.2	Pass
Pyriproxyfen	ND	ppm	0.010	0.01		
Resmethrin	ND	ppm	0.010	0.01		
Spinetoram	ND	ppm	0.010	0.01		
Spinosad	ND	ppm	0.010	0.01	0.2	Pass
Spinosyn A	ND	ppm	0.008	0.0078		
Spinosyn D	ND	ppm	0.002	0.0021		
Spirodiclofen	ND	ppm	0.010	0.01		
Spiromesifen	ND	ppm	0.010	0.01	0.2	Pass
Spirotetramat	ND	ppm	0.010	0.01	0.2	Pass
Spiroxamine-1	ND	ppm	0.010	0.01	0.4	Pass
Tebuconazole	ND	ppm	0.010	0.01	0.4	Pass
Tebufenozide	ND	ppm	0.010	0.01		
Tetrachlorvinphos	ND	ppm	0.010	0.01		
Thiacloprid	ND	ppm	0.010	0.01	0.2	Pass
Thiamethoxam	ND	ppm	0.010	0.01	0.2	Pass
Thiophanate-methyl	ND	ppm	0.010	0.01		
trans-Permethrin	ND	ppm	0.007	0.0073		
trans-Tetramethrin	ND	ppm	0.007	0.0074		

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Pesticides (ESI)						
Date Tested: 11/22/2025	Method: CB-SOP-025	Instrument: LC-MS 8050 (#2)				

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
Trifloxystrobin	ND	ppm	0.010	0.01	0.2	Pass
Z-Dimethomorph	ND	ppm	0.006	0.0064		

Terpenoids						
Date Tested: 11/25/2025	Method: CB-SOP-026	Instrument: GC-MS QP2020				

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
alpha-Bisabolol	<LOQ	%	0.008	0.008		
alpha-Bisabolol (mg/g)	<LOQ	mg/g	0.080	0.08		
alpha-humulene	0.074	%	0.008	0.008		
alpha-humulene (mg/g)	0.740	mg/g	0.080	0.08		
alpha-pinene	0.027	%	0.008	0.008		
alpha-pinene (mg/g)	0.271	mg/g	0.080	0.08		
alpha-terpinene	<LOQ	%	0.008	0.008		
alpha-terpinene (mg/g)	<LOQ	mg/g	0.080	0.08		
beta-caryophyllene	0.169	%	0.008	0.008		
beta-caryophyllene (mg/g)	1.689	mg/g	0.080	0.08		
Beta-myrcene	0.276	%	0.008	0.008		
Beta-myrcene (mg/g)	2.764	mg/g	0.080	0.08		
Beta-pinene	0.044	%	0.008	0.008		
Beta-pinene (mg/g)	0.445	mg/g	0.080	0.08		
Camphene	<LOQ	%	0.008	0.008		
Camphene (mg/g)	<LOQ	mg/g	0.080	0.08		
cis-Nerolidol	<LOQ	%	0.003	0.003		
cis-Nerolidol (mg/g)	<LOQ	mg/g	0.030	0.03		
d-Limonene	0.224	%	0.008	0.008		
d-Limonene (mg/g)	2.238	mg/g	0.080	0.08		
delta-3-Carene	<LOQ	%	0.008	0.008		
delta-3-Carene (mg/g)	<LOQ	mg/g	0.080	0.08		
Eucalyptol	<LOQ	%	0.008	0.008		
Eucalyptol (mg/g)	<LOQ	mg/g	0.080	0.08		
gamma-Terpinene	<LOQ	%	0.008	0.008		
gamma-Terpinene (mg/g)	<LOQ	mg/g	0.080	0.08		
Geraniol	<LOQ	%	0.008	0.008		
Geraniol (mg/g)	<LOQ	mg/g	0.080	0.08		
Guaiol	<LOQ	%	0.008	0.008		
Guaiol (mg/g)	<LOQ	mg/g	0.080	0.08		
Isopulegol	<LOQ	%	0.008	0.008		
Isopulegol (mg/g)	<LOQ	mg/g	0.080	0.08		
Linalool	0.135	%	0.008	0.008		
Linalool (mg/g)	1.354	mg/g	0.080	0.08		
Ocimene (mixture of isomers)	0.026	%	0.003	0.003		
Ocimene (mixture of isomers) (mg/g)	0.260	mg/g	0.030	0.03		

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Terpenoids						
Date Tested: 11/25/2025	Method: CB-SOP-026	Instrument: GC-MS QP2020				

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
p-Isopropyltoluene (p-Cymene)	<LOQ	%	0.008	0.008		
p-Isopropyltoluene (p-Cymene) (mg/g)	<LOQ	mg/g	0.080	0.08		
Terpinolene	<LOQ	%	0.008	0.008		
Terpinolene (mg/g)	<LOQ	mg/g	0.080	0.08		
trans-beta-Ocimene	<LOQ	%	0.006	0.006		
trans-beta-Ocimene (mg/g)	<LOQ	mg/g	0.060	0.06		
trans-Nerolidol	0.014	%	0.005	0.005		
trans-Nerolidol (mg/g)	0.142	mg/g	0.050	0.05		
Total Terpenes (%)	0.990	%				
Total Terpenes (mg/g)	9.901	mg/g				

Water Activity						
Date Tested: 11/25/2025	Method: CB-SOP-019	Instrument:				

Analyte	Result	Units	LOQ	LOD	Limits	Pass / Fail
Water Activity	0.459	Aw	0.150	0.150	0.650	Pass




Laboratory Manager

Jamie Hobgood

11/26/2025 9:40 PM

SIGNATURE

DATE

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