



2525 2nd St
Macon, GA 31206
License #: PHRS001078

Certificate of Analysis

Reported: September 15, 2026

Overall Status

Product Name: SKU.0704-20260831-Carnival
Matrix: Vape
Sample Size: 1g
Received: 09/01/2026
Sample ID: SAM-083126-0027



Distributor or Microbusiness:

Name: Botanical Sciences LLC
Premises Address: 442 Cecil Anderson Rd
Glennville, GA 30427

License No.:

Potency

Date of Analysis: 09/08/2026

Method: HPLC Cannabinoid and HPLC Impurity

Moisture	Total THC:		Total CBD:		Total CBG:		Total Cannabinoids:	
%	%	mg/pkg	%	mg/pkg	%	mg/pkg	%	mg/pkg
ND	84.099	840.993	ND	ND	0.75	7.544	85.51	855.067

Analyte	LOQ (%)	Results (%)	Results (mg/g)	Results (mg/srv)	Results (mg/pkg)
CBD	0.05	ND	ND	ND	ND
CBDV	0.05	ND	ND	ND	ND
CBDA	0.05	ND	ND	ND	ND
CBC	0.05	0.12	1.16	1.16	1.16
CBCA	0.05	ND	ND	ND	ND
CBG	0.05	0.75	7.54	7.54	7.54
CBGA	0.05	ND	ND	ND	ND
CBN	0.05	0.54	5.37	5.37	5.37
Δ9-THC	0.05	82.76	827.65	827.65	827.65
Δ8-THC	0.05	ND	ND	ND	ND
THCA	0.05	1.52	15.21	15.21	15.21
THCV	0.05	ND	ND	ND	ND

Terpenes

Date of Analysis: 09/08/2026

Method: GC/MS headspace

Analyte	LOQ (%)	Results (%)
α-Pinene	0.10	<LOQ
β-pinene	0.10	<LOQ
β-myrcene	0.10	0.41
Limonene	0.10	2.52
Terpineole	0.10	ND
Linalool	0.10	<LOQ
Geraniol	0.10	ND
β-Caryophyllene	0.10	<LOQ
α-Humulene	0.10	ND
Eucalyptol	0.10	ND
α-Bisabolol	0.10	0.11
Trans Nerolidol	0.10	ND
Camphene	0.10	ND
Borneol	0.10	ND
Delta-3-Carene	0.10	ND
Valencene	0.10	ND
Guaiol	0.10	ND
α-Terpinene	0.10	ND
cis-Nerolidol	0.10	ND
Fenchone	0.10	ND
γ-Terpinene	0.10	ND
Isopulegol	0.10	ND
α-Ocimene	0.10	ND
β-Ocimene	0.10	ND
Terpinolene	0.10	ND
Carophyllene Oxide	0.10	ND

Total Terpenes:

%
3.205

Vape Contaminants

Date of Analysis: 09/11/2026

Method: Vape Contaminants HPLC

Analyte	LOQ (mg/kg)	Results (mg/kg)	Limit (mg/kg)	Status
Vitamin E Acetate*	5000.00	ND	5000.00	Pass
Diacetyl*	5000.00	ND	5000.00	Pass

Residual Solvents

Date of Analysis: 09/11/2026

Method: GC/MS headspace

Analyte	LOQ (ppb)	Results (ppb)	Limit (ppb)	Status
Carbon-Tetrachloride	150.00	ND	5000000.00	Pass
Methanol	15000.00	40888.0	800000.00	Pass
Pentane	1500.00	ND	5000000.00	Pass
Ethanol	1500.00	81058.0	5000000.00	Pass
Acetone	1500.00	12754.0	800000.00	Pass
Isopropanol*	15000.00	ND	5000000.00	Pass
Acetonitrile	15000.00	47995.0	410000.00	Pass
n-Hexane	1500.00	ND	100000.00	Pass
Chloroform*	150.00	ND	1000.00	Pass
Benzene	150.00	ND	1000.00	Pass
Heptane	150.00	ND	500000.00	Pass
TetrahydrofuranP*	150.00	ND	1000.00	Pass
Toluene	150.00	ND	1000.00	Pass
Xylene (meta-, para-)	300.00	ND	1000.00	Pass
Xylene (ortho-)	150.00	ND	1000.00	Pass
Butane	1500.00	ND	800000.00	Pass
1,2 Dichloroethane*	1500.00	ND	2000.00	Pass
1,1 Dichloroethane*	1500.00	ND	8000.00	Pass
Ethyl Acetate*	1500.00	ND	400000.00	Pass
Ethyl Ether*	1500.00	ND	500000.00	Pass
Ethylene Oxide*	1500.00	ND	5000.00	Pass
Methylene chloride*	1500.00	ND	125000.00	Pass
Propane*	1500.00	ND	5000000.00	Pass
Trichloroethylene*	1500.00	ND	25000.00	Pass

Pesticides

Date of Analysis: 09/15/2026

Method: LC/MS/MS

Analyte	LOQ (ppb)	Results (ppb)	Limit (ppb)	Status
Aldicarb	100.00	ND	100.00	Pass
Carbofuran	100.00	ND	100.00	Pass
Chlordane	100.00	ND	100.00	Pass
Chlorfenapyr	100.00	ND	100.00	Pass
Chlorantraniliprole	100.00	ND	100.00	Pass
Chlorpyrifos	100.00	ND	100.00	Pass
Coumaphos	100.00	ND	100.00	Pass
Daminozide	100.00	ND	100.00	Pass
DDVP	100.00	ND	100.00	Pass
Dimethoate	100.00	ND	100.00	Pass
Ethoprophos	100.00	ND	100.00	Pass
Etofenprox	100.00	ND	100.00	Pass
Fenoxycarb	100.00	ND	100.00	Pass
Fipronil	100.00	ND	100.00	Pass
Imazalil	100.00	ND	100.00	Pass
Methiocarb	100.00	ND	100.00	Pass
Mevinphos	100.00	ND	100.00	Pass
Paclobutrazol	100.00	ND	100.00	Pass
Propoxur	100.00	ND	100.00	Pass
Thiacloprid	100.00	ND	100.00	Pass
Abamectin	100.00	ND	100.00	Pass
Acephate	100.00	ND	100.00	Pass
Acequinocyl	100.00	ND	100.00	Pass
Acetamiprid	100.00	ND	100.00	Pass
Azoxystrobin	100.00	ND	100.00	Pass
Bifenazate	100.00	ND	100.00	Pass
Bifenthrin	100.00	ND	100.00	Pass
Boscalid*	100.00	ND	100.00	Pass
Captan	1000.00	ND	0.00	Pass
Carbaryl	100.00	ND	100.00	Pass
Clofentezine	100.00	ND	500.00	Pass
Chlormequat Chloride	100.00	ND	100.00	Pass
Cyfluthrin	100.00	ND	100.00	Pass
Cypermethrin	100.00	ND	100.00	Pass
Diazinon	100.00	ND	100.00	Pass
Dimethomorph	100.00	ND	100.00	Pass
Etoxazole	100.00	ND	100.00	Pass
Fenhexamid	100.00	ND	100.00	Pass
Fenpyroximate	100.00	ND	2000.00	Pass
Flonicamid	100.00	ND	100.00	Pass
Fludioxonil	100.00	ND	100.00	Pass
Fluoxastrobin	100.00	ND	100.00	Pass
Hexythiazox	100.00	ND	100.00	Pass
Imidacloprid	100.00	ND	100.00	Pass
Kresoxim Methyl	100.00	ND	100.00	Pass
Malathion	100.00	ND	100.00	Pass
Metalaxyl	100.00	ND	100.00	Pass
Methomyl	100.00	ND	100.00	Pass
Methyl Parathion	100.00	ND	100.00	Pass

Analyte	LOQ (ppb)	Results (ppb)	Limit (ppb)	Status	Page 5 of 6
Myclobutanil	100.00	ND	100.00	Pass	
Naled	100.00	ND	100.00	Pass	
Oxamyl	100.00	ND	100.00	Pass	
PentachloronitrobenzenePCNB	100.00	ND	0.00	Pass	
Permethrin	100.00	ND	100.00	Pass	
Phosmet (Imidan)	100.00	ND	100.00	Pass	
Piperonyl Butoxide	100.00	ND	8000.00	Pass	
Prallethrin	100.00	ND	100.00	Pass	
Propiconazole	100.00	ND	100.00	Pass	
Pyrethrins	100.00	ND	1000.00	Pass	
Pyridaben	100.00	ND	100.00	Pass	
Spinetoram	100.00	ND	100.00	Pass	
Spinosad	100.00	ND	3000.00	Pass	
spinoxamine	100.00	ND	100.00	Pass	
Spiromesifen	100.00	ND	100.00	Pass	
Spirotetramat	100.00	ND	100.00	Pass	
Tebuconazole	100.00	ND	100.00	Pass	
Thiamethoxam	100.00	ND	100.00	Pass	
Trifloxystrobin	100.00	ND	100.00	Pass	

Mycotoxins

Date of Analysis: 09/13/2026

Method: LC/MS/MS

Analyte	LOQ (ppb)	Results (ppb)	Limit (ppb)	Status
Aflatoxin G1	5.00	ND	20.00	Pass
Aflatoxin G2	5.00	ND	20.00	Pass
Aflatoxin B1	5.00	ND	20.00	Pass
Aflatoxin B2	5.00	ND	20.00	Pass
Total Aflatoxins	20.00	ND	20.00	Pass
Ochratoxin A	5.00	ND	20.00	Pass

Microbial Analysis

Date of Analysis:

Method: DBRC Agar & Petrifilm

Analyte	LOQ (CFU/g)	Results (CFU/g)	Limit (CFU/g)	Status
Aspergillus fumigatus	10.00	ND	10.00	Pass
Aspergillus flavus	10.00	ND	10.00	Pass
Aspergillus niger	10.00	ND	10.00	Pass
Aspergillus terreus	10.00	ND	10.00	Pass
Total Coliform	10.00	ND	1000.00	Pass
BTGN	10.00	ND	1000.00	Pass
STEC	1.00	ND	1.00	Pass
Salmonella	1.00	ND	1.00	Pass
Listeria*	1.00	ND	1.00	Pass
Total Yeast Mold	10.00	ND	10000.00	Pass
Total Aerobic Count	10.00	ND	100000.00	Pass

Foreign Materials

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Date of Analysis: 09/04/2026

Method:

Analyte	Results
Foreign Materials	Negative

Heavy Metals

Date of Analysis: 09/15/2026

Method: ICP/MS

Analyte	LOQ (ppb)	Results (ppb)	Limit (ppb)	Status
Cadmium	10.00	ND	200.00	Pass
Lead	10.00	ND	500.00	Pass
Arsenic	10.00	19.35	200.00	Pass
Mercury	10.00	ND	200.00	Pass
Chromium	10.00	1218.50	500000.00	Pass



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