Certificate of Analysis

Labs & Analytics

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

Reported: October 15, 2026

Overall Status



Product Name:	SKU.0702-20261007-DutchTreat	**Matrix:**	Vape
Sample Size:	1 g	**Received:**	10/08/2026
Sample ID:	SAM-100726-0024		

Distributor or Microbusiness:

Name:	Botanical Sciences LLC
Premises Address:	442 Cecil Anderson Rd Glennville, GA 30427
License No.:	

Potency

Date of Analysis: 10/15/2026 **Method:** HPLC Cannabinoid and HPLC Impurity

Moisture	Total THC:		Total CBD:		Total CBG:		Total Cannabinoids:	
%	%	mg/pkg	%	mg/pkg	%	mg/pkg	%	mg/pkg
ND	82.988	829.881	0.53	5.349	0.77	7.710	85.04	850.416

Analyte	LOQ (%)	Results (%)	Results (mg/g)	Results (mg/srv)	Results (mg/pkg)
CBD	0.05	0.53	5.35	5.35	5.35
CBDV	0.05	ND	ND	ND	ND
CBDA	0.05	ND	ND	ND	ND
CBC	0.05	0.12	1.17	1.17	1.17
CBCA	0.05	ND	ND	ND	ND
CBG	0.05	0.77	7.71	7.71	7.71
CBGA	0.05	ND	ND	ND	ND
CBN	0.05	0.63	6.30	6.30	6.30
Δ9-THC	0.05	75.73	757.25	757.25	757.25
Δ8-THC	0.05	ND	ND	ND	ND
THCA	0.05	8.28	82.82	82.82	82.82
THCV	0.05	ND	ND	ND	ND

Terpenes

Date of Analysis: 10/14/2026 **Method:** GC/MS headspace

Analyte	LOQ (%)	Results (%)
α-Pinene	0.10	0.14
β-pinene	0.10	0.17
β-myrcene	0.10	0.46
Limonene	0.10	0.51
Terpineole	0.10	ND
Linalool	0.10	0.27
Geraniol	0.10	ND
β-Caryophyllene	0.10	0.58
α-Humulene	0.10	0.17
Eucalyptol	0.10	ND
α-Bisabolol	0.10	0.30
Trans Nerolidol	0.10	ND
Camphene	0.10	<LOQ
Borneol	0.10	ND
Delta-3-Carene	0.10	ND
Valencene	0.10	ND
Guaiol	0.10	ND
α-Terpinene	0.10	<LOQ
cis-Nerolidol	0.10	ND
Fenchone	0.10	ND
y-Terpinene	0.10	<LOQ
Isopulegol	0.10	ND
α-Ocimene	0.10	ND
β-Ocimene	0.10	0.77
Terpinolene	0.10	1.91
Carophyllene Oxide	0.10	ND

Total Terpenes:
%
5.379

Vape Contaminants

Date of Analysis: 10/13/2026 **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: 10/12/2026 **Method:** GC/MS headspace

Analyte	LOQ (ppb)	Results (ppb)	Limit (ppb)	Status
Carbon-Tetrachloride	150.00	ND	5000000.00	Pass
Methanol	15000.00	ND	800000.00	Pass
Pentane	1500.00	ND	5000000.00	Pass
Ethanol	1500.00	ND	5000000.00	Pass
Acetone	1500.00	23877.0	800000.00	Pass
Isopropanol*	15000.00	ND	5000000.00	Pass
Acetonitrile	15000.00	ND	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: 10/15/2026 **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
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: 10/15/2026 **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

Date of Analysis: 10/08/2026 **Method:**

Analyte	Results
Foreign Materials	Negative

Heavy Metals

Date of Analysis: 10/12/2026 **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	ND	200.00	Pass
Mercury	10.00	ND	200.00	Pass
Chromium	10.00	651.16	500000.00	Pass

This report is for quality assurance only. Values reported relate only to sample tested. Sample was tested as received from client. SJ Labs and Analytics, LLC makes no claims of safety or risk associated with detected or non detected level for any compounds reported herein. Overall Pass/Fail status is determined with upper limits listed by each analyte, except Potency, for which the decision rule for passing is if the Total THC < 0.3304. Level of Uncertainty will be provided upon request. The analytes and assays included in this report are ISO/IEC 17025:2017 Accredited via PJLA (Accreditation No. 116065), except those analytes denoted by (*). This certificate shall not be reproduced except in full, without written consent from SJ Labs and Analytics, LLC.