PJLA Testing
ilac-MRA
Accreditation #120090
Proficiency Testing: PHENOVA

Δ9 ANALYTICAL
Delta 9 Analytical
Professional, Accurate, Responsive

Laboratory Location
6308 Angus Drive, Ste B
Raleigh NC 27617
919-673-7153 / 919-450-1870
frank@delta9analytical.com
michael@delta9analytical.com

NC Controlled Substance License #: NC-DHHS-1004369
DEA Controlled Substance License #: RD0577986

Client Name: **PureRoots Botanicals LLC**
Company Address: **PO Box 238 Waxhaw, NC 28173**

Sample Type: **Flower**
Sample Matrix: **THCA**
Sample ID: **31037**
Sample Name: **Strawberry Frost**

Test: **Full Panel**
Size: **7g**

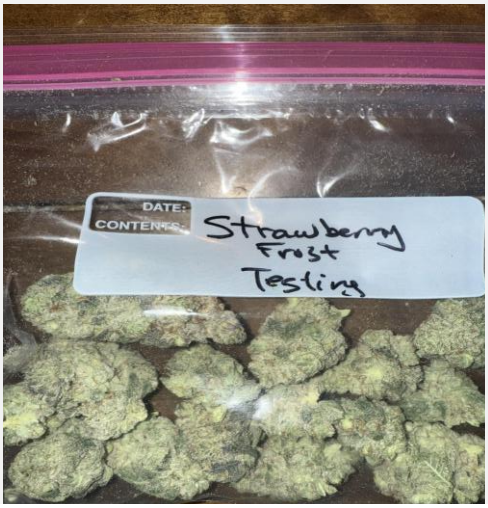
Received Date: **01092026**
Run Date: **01112026**
Report Date: **01162026**

Compliance for Retail: **PASS**

CANNABINOID SUMMARY

TOTAL CANNABINOIDS: 12.62%
THCA: 12.29%
TOTAL THC: 10.84%
Δ9-THC: 0.060%

BATCH PHOTO



CANNABINOIDS (*Liquid Chromatography Mass Spectrometry - LCMS*)

MOISTURE (loss on drying): **NT**

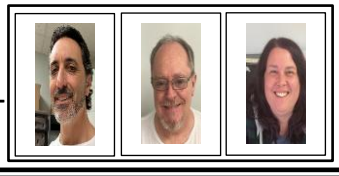
ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)	ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)
Cannabinol *(CBN)*	ND	ND	0.048	9S-Hexahydrocannabinol *(HHCS)*	ND	ND	0.048
Δ8-THC	ND	ND	0.048	9R-Hexahydrocannabinol *(HHCR)*	ND	ND	0.048
Cannabichromene *(CBC)*	ND	ND	0.048	Cannabidolic Acid *(CBDA)*	ND	ND	0.048
Cannabigerol *(CBG)*	ND	ND	0.048	Δ9-THC Acid *(THCA)*	12.29	122.9	0.048
Cannabidiol *(CBD)*	ND	ND	0.048	THC-varian *(THCV)*	ND	ND	0.048
Cannabigerolic Acid *(CBGA)*	0.2713	2.713	0.048	***Δ9-THC	0.0606	0.6058	0.048
Cannabidivarin *(CBDV)*	ND	ND	0.048	**TOTAL CANNABINOIDS	12.62	126.2	
Cannabidivarin Acid *(CBDVA)*	ND	ND	0.048	*TOTAL THC	10.84	108.4	
Cannabicitran *(CBT)*	ND	ND	0.048	*TOTAL CBD	ND	ND	
6aR,9S-Δ10-THC	ND	ND	0.048	*TOTAL CBG	0.2379	2.379	
6aR,9R-Δ10-THC	ND	ND	0.048	*TOTAL CBDV	ND	ND	
THC-O-Acetate *(THCO)*	ND	ND	0.048	TOTAL Δ10-THC	ND	ND	
THCp	ND	ND	0.048	TOTAL HHC	ND	ND	

Calculated as follows: Total CBD/G/V = CBDA/GA/VA% (0.877) + CBD/G/V%. Total THC = THCA%*(0.877) + Δ9-THC%. **Total Cannabinoids is the absolute sum of all cannabinoids detected.* ***ND = Not Detected; NT = Not Tested*

RESULT CERTIFICATION

Frank P. Maurio/Michael R. Horton/Brittany A. Meggs 01/16/2026

Frank P. Maurio COO/Michael R. Horton CSO/Brittany A. Meggs LM & Date



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PESTICIDES (*Analysis by LCMSMS/*GCMSMS)*

Analyte	LOD (PPB)	Result (PPB)	Limit (PPB)	Status	Analyte	LOD (PPB)	Result (PPB)	Limit (PPB)	Status
Abamectin	10	ND	100	PASS	Fludioxonil	10	ND	100	PASS
Acephate	10	ND	100	PASS	Hexythiazox	10	ND	100	PASS
Acequinocyl	10	ND	100	PASS	Imazalil	10	ND	100	PASS
Acetamiprid	10	ND	100	PASS	Imidacloprid	40	ND	400	PASS
Aldicarb	10	ND	100	PASS	Kresoxim Methyl	10	ND	100	PASS
Azoxystrobin	10	ND	100	PASS	Malathion	20	ND	200	PASS
Bifenazate	10	ND	100	PASS	Metalaxyl	10	ND	100	PASS
Bifenthrin	10	ND	100	PASS	Methiocarb	10	ND	100	PASS
Boscalid	10	ND	100	PASS	Methomyl	10	ND	100	PASS
*Captan	70	ND	700	PASS	*Methyl Parathion	10	ND	100	PASS
Carbaryl	50	ND	500	PASS	Mevinphos	10	ND	100	PASS
Carbofuran	10	ND	100	PASS	Myclobutanil	10	ND	100	PASS
Chlorantraniliprole	100	ND	1000	PASS	Naled	25	ND	250	PASS
*Chlordane	10	ND	100	PASS	Oxamyl	50	ND	500	PASS
*Chlorfenapyr	10	ND	100	PASS	Paclobutrazol	10	ND	100	PASS
Chlormequat Chloride	100	ND	1000	PASS	*Pentachloro nitrobenzene	15	ND	150	PASS
Chlorpyrifos	10	ND	100	PASS	Permethrins	10	ND	100	PASS
Clofentezine	20	ND	200	PASS	Phosmet	10	ND	100	PASS
Coumaphos	10	ND	100	PASS	Piperonyl Butoxide	300	ND	3000	PASS
Cyfluthrin	50	ND	500	PASS	Prallethrin	10	ND	100	PASS
Cypermethrin	50	ND	500	PASS	Propiconazole	10	ND	100	PASS
Daminozide	10	ND	1000	PASS	Propoxur	10	ND	100	PASS
Diazinon	10	ND	100	PASS	Pyrethrins	50	ND	500	PASS
Dichlorvos	10	ND	100	PASS	Pyridaben	20	ND	200	PASS
Dimethoate	10	ND	100	PASS	Spinetoram total	20	ND	200	PASS
Dimethomorph	20	ND	200	PASS	Spinosad total	10	ND	100	PASS
Ethoprophos	10	ND	100	PASS	Spiromesifen	10	ND	100	PASS
Etofenprox	10	ND	100	PASS	Spirotetramat	10	ND	100	PASS
Etoxazole	10	ND	100	PASS	Spiroxamine	10	ND	100	PASS
Fenhexamid	10	ND	100	PASS	Tebuconazole	10	ND	100	PASS
Fenoxycarb	10	ND	100	PASS	Thiacloprid	10	ND	100	PASS
Fenpyroximate	10	ND	100	PASS	Thiamethoxam	50	ND	500	PASS
Fipronil	10	ND	100	PASS	Trifloxystrobin	10	ND	100	PASS
Flonicamid	10	ND	100	PASS					

***LOD** = Level of Detection; **ND** = Not Detected; **NT** = Not Tested* ***LIMIT:** Based on Regulations for FL*

RESULT CERTIFICATION

Frank P. Maurio/Michael R. Horton/Brittany A. Meggs 01/16/2026
Frank P. Maurio COO/Michael R. Horton CSO/Brittany A. Meggs LM & Date

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HEAVY METALS *(Analysis by ICP-MS)*

Analyte	LOD (PPB)	Results (PPB)	Limit (PPB)	Status	Analyte	LOD (PPB)	Results (PPB)	Limit (PPB)	Status
Arsenic	150	42.2	200	PASS	Lead	50	ND	500	PASS
Cadmium	50	ND	200	PASS	Mercury	300	ND	200	PASS

***ND** = Not Detected; **NT** = Not Tested* ***LIMIT:** Based on Regulations for FL*

MYCOTOXINS *(Analysis by LCMSMS)*

Toxin	LOD (PPB)	Results (PPB)	Limit (PPB)	Status	Toxin	LOD (PPB)	Results (PPB)	Limit (PPB)	Status
Aflatoxin B1	2	ND	20	PASS	Aflatoxin G2	2	ND	20	PASS
Aflatoxin B2	2	ND	20	PASS	TOTAL Aflatoxins	2	ND	20	PASS
Aflatoxin G1	2	ND	20	PASS	Ochratoxin A	2	ND	20	PASS

***ND** = Not Detected; **NT** = Not Tested* ***LIMIT:** Based on Regulations for FL and GA*

MICROBIALS *(Analysis by qPCR)*

Organism	LOQ (CFU/g)	Results (CFU/g)	Limit (CFU/g)	Status	Organism	LOQ (CFU/g)	*Results (CFU/g)*	*Limit (CFU/g)*	Status
BTGN Bacteria	1	ND	1	PASS	Enterobacteriaceae	1	Abscent in 1g	1	PASS
Total Aerobic Bacteria	1	ND	10,000	PASS	Shiga Toxin Producing E. coli	1	Abscent in 1g	1	PASS
Total Yeast/Mold	10,000	ND	100,000	PASS	Aspergillus Flavus	1	Abscent in 1g	1	PASS
Total Coliforms	1	Abscent in 1g	1	PASS	Aspergillus Fumigatus	1	Abscent in 1g	1	PASS
Total Ecoli	1	Abscent in 1g	1	PASS	Aspergillus Niger	1	Abscent in 1g	1	PASS
Salmonella	1	Abscent in 1g	1	PASS	Aspergillus Terreus	1	Abscent in 1g	1	PASS

***ND** = Not Detected; **NT** = Not Tested* ***LIMIT:** Based on Regulations for both FL and GA*

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TERPENE SUMMARY

TOTAL: 1.232%

PRIMARY AROMAS
Citrusy, Spicy, Fresh,
Earthy, Piney, Woody

TERPENES (*GC FID*)

MOISTURE (loss on drying): **NT**

ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)	ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)
d-Limonene	0.6624	6.624	0.0125	trans-Nerolidol 2	ND	ND	0.0125
b-Caryophyllene	0.1217	1.217	0.0125	Camphene	ND	ND	0.0125
a-Pinene	0.0886	0.8861	0.0125	a-Ocimene 1	ND	ND	0.0125
Caryophyllene Oxide	0.0818	0.8182	0.0125	Geraniol	ND	ND	0.0125
b-Pinene	0.0799	0.7990	0.0125	Guaiol	ND	ND	0.0125
b-Myrcene	0.0705	0.7048	0.0125	Isopulegol	ND	ND	0.0125
a-Humulene	0.0404	0.4044	0.0125	p-Cymene	ND	ND	0.0125
Linalool	0.0346	0.3464	0.0125	3-Carene	ND	ND	0.0125
b-Ocimene 2	0.0274	0.2743	0.0125	a-Terpinene	ND	ND	0.0125
cis-Nerolidol 1	0.0250	0.2502	0.0125	Eucalyptol	ND	ND	0.0125
Terpinolene	ND	ND	0.0125	g-Terpinene	ND	ND	0.0125
a-Bisabolol	ND	ND	0.0125				

ND = Not Detected

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RESIDUAL SOLVENTS *(Analysis by GC FID)*

Solvent	LOD (PPB)	Result (PPB)	LIMIT (PPB)	Status	Solvent	LOD (PPB)	Result (PPB)	LIMIT (PPB)	Status
1,1-Dichloroethene	1,000	ND	---	PASS	(C6) n - Hexane	5,000	ND	500,000	PASS
1,2-Dichloroethane	1,000	ND	---	PASS	Isopropyl Alcohol	25,000	ND	---	PASS
Acetone	25,000	ND	---	PASS	Methanol	25,000	ND	---	PASS
Acetonitrile	5,000	ND	---	PASS	Methylene Chloride	1,000	ND	---	PASS
Benzene	1,000	ND		PASS	(C5) n- Pentane	5,000	ND	---	PASS
Butane	5,000	ND	800,000	PASS	Propane	5,000	ND	---	PASS
Chloroform	1,000	ND	---	PASS	Toluene	1,000	ND	---	PASS
Ethanol	5,000	ND	5,000,000	PASS	Trichloroethylene	1,000	ND	----	PASS
Ethyl Acetate	5,000	ND	---	PASS	*m*-Xylene	1,000	ND	---	PASS
Ethyl Ether	5,000	ND	---	PASS	*o*-Xylene	1,000	ND	---	PASS
(C7) n- Heptane	5,000	ND	500,000	PASS	*p*-Xylene	1,000	ND	---	PASS

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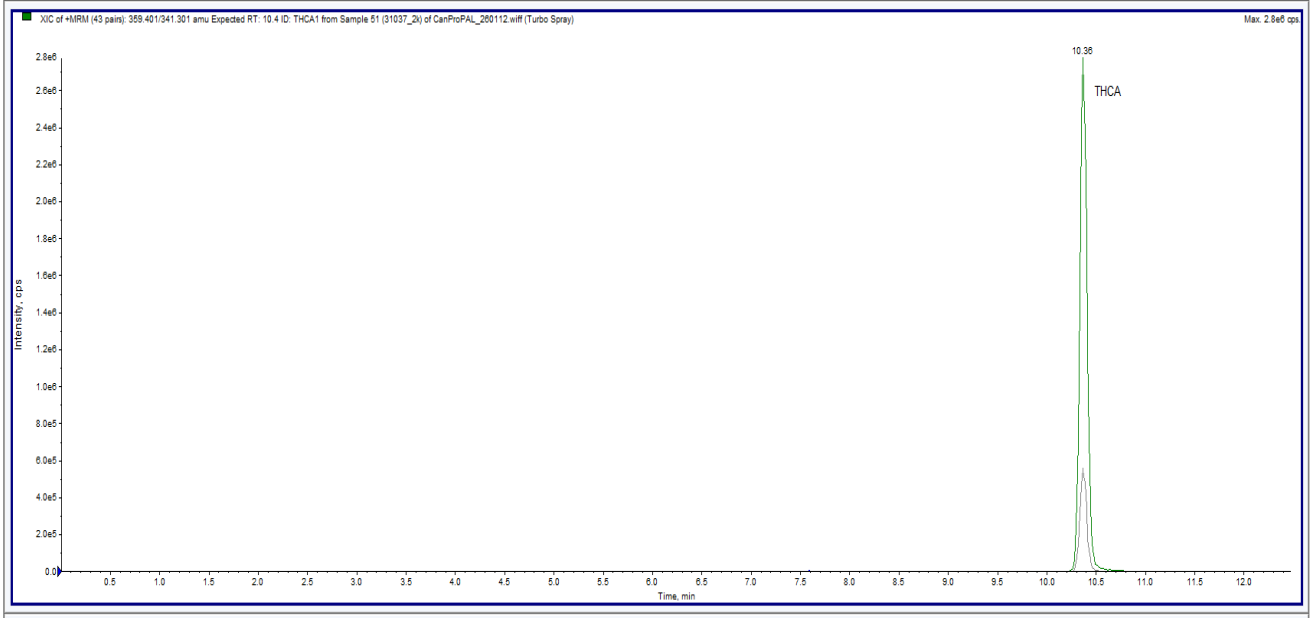
POTENCY REPORT (ABSciex LCMS Triple Quad)



File Info
Log Info
Acquisition Info
Quant. Info
Period 1:
Resolution tables
Calibration tables
Instrument Parameters:
Keyed Text:

Acquisition Path:	D:\Analyst Data\Projects\Cannabinoids\Acquisition Methods\
First Sample Started:	Monday, January 12, 2026 10:03:12 AM
Last Sample Finished:	Tuesday, January 13, 2026 6:26:39 AM
Sample Acq Time:	Monday, January 12, 2026 9:56:58 PM
Sample Acq Duration:	12min29sec
Number of Scans:	0
Periods in File:	1
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Submitted by:	D9A_002-PC\D9A_002()
Logged-on User:	D9A_002
Synchronization Mode:	LC Sync
Auto-Equilibration:	Off
Comment:	
Software Version:	Analyst 1.6.3
Set Name:	SET1
Sample Name	31037_2k

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