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**
Client Address: **PO Box 238**
Waxhaw, NC 28173

Sample Type: **Flower**
Sample Matrix: **THCA**
Sample ID: **28637**
Sample Name: **Organic Monkey Breath**

Test: **Full Panel**
Size: **7.6g**

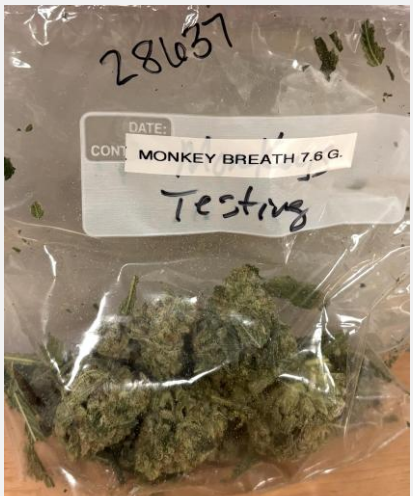
Received Date: **10152025**
Run Date: **10152025**
Report Date: **10222025**

Compliance for Retail: **PASS**

CANNABINOID SUMMARY

TOTAL CANNABINOIDS: 12.43%
THCA: 11.76%
TOTAL THC: 10.48%
Δ9-THC: 0.1660%

BATCH PHOTO
B#



CANNABINOIDS (*Liquid Chromatography Mass Spectrometry - LCMS*)

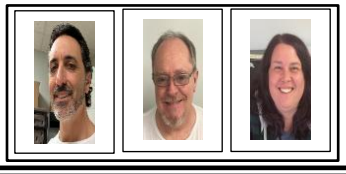
MOISTURE (loss on drying): **NT**

ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)	ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)
Cannabinol *(CBN)*	ND	ND	0.047	9S-Hexahydrocannabinol *(HHCS)*	ND	ND	0.047
Δ8-THC	ND	ND	0.047	9R-Hexahydrocannabinol *(HHCR)*	ND	ND	0.047
Cannabichromene *(CBC)*	ND	ND	0.047	Cannabidolic Acid *(CBDA)*	ND	ND	0.047
Cannabigerol *(CBG)*	0.0668	0.6675	0.047	Δ9-THC Acid *(THCA)*	11.76	117.6	0.047
Cannabidiol *(CBD)*	ND	ND	0.047	THC-varian *(THCV)*	ND	ND	0.047
Cannabigerolic Acid *(CBGA)*	0.4324	4.324	0.047	***Δ9-THC	0.1660	1.660	0.047
Cannabidivarin *(CBDV)*	ND	ND	0.047	**TOTAL CANNABINOIDS	12.43	124.3	
Cannabidivarin Acid *(CBDVA)*	ND	ND	0.047	*TOTAL THC	10.48	104.8	
Cannabicitran *(CBT)*	ND	ND	0.047	*TOTAL CBD	ND	ND	
6aR,9S-Δ10-THC	ND	ND	0.047	*TOTAL CBG	0.4460	4.4596	
6aR,9R-Δ10-THC	ND	ND	0.047	*TOTAL CBDV	ND	ND	
THC-O-Acetate *(THCO)*	ND	ND	0.047	TOTAL Δ10-THC	ND	ND	
THCp	ND	ND	0.047	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 10222025

Frank P. Maurio/Michael R. Horton/Brittany A. Maggs
Frank P. Maurio COO/Michael R. Horton CSO & 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	30	ND	100	PASS	Fludioxonil	300	ND	3000	PASS
Acephate	300	ND	3000	PASS	Hexythiazox	200	ND	2000	PASS
Acequinocyl	200	ND	2000	PASS	Imazalil	10	ND	100	PASS
Acetamiprid	300	ND	3000	PASS	Imidacloprid	300	ND	3000	PASS
Aldicarb	10	ND	100	PASS	Kresoxim Methyl	100	ND	100	PASS
Azoxystrobin	300	ND	3000	PASS	Malathion	200	ND	2000	PASS
Bifenazate	300	ND	3000	PASS	Metalaxyl	300	ND	3000	PASS
Bifenthrin	50	ND	100	PASS	Methiocarb	10	ND	100	PASS
Boscalid	300	ND	3000	PASS	Methomyl	10	ND	100	PASS
*Captan	300	ND	3000	PASS	*Methyl Parathion	10	ND	100	PASS
Carbaryl	50	ND	100	PASS	Mevinphos	10	ND	100	PASS
Carbofuran	10	ND	100	PASS	Myclobutanil	300	ND	3000	PASS
Chlorantraniliprole	300	ND	3000	PASS	Naled	50	ND	100	PASS
*Chlordane	10	ND	100	PASS	Oxamyl	50	ND	100	PASS
*Chlorfenapyr	10	ND	100	PASS	Paclobutrazol	10	ND	100	PASS
Chlormequat Chloride	300	ND	3000	PASS	Pentachloro nitrobenzene	20	ND	100	PASS
Chlorpyrifos	10	ND	100	PASS	Permethrins	100	ND	100	PASS
Clofentezine	50	ND	100	PASS	Phosmet	20	ND	100	PASS
Coumaphos	10	ND	1000	PASS	Piperonyl Butoxide	300	ND	8000	PASS
Cyfluthrin	100	ND	1000	PASS	Prallethrin	40	ND	100	PASS
Cypermethrin	100	ND	1000	PASS	Propiconazole	100	ND	100	PASS
Daminozide	10	ND	1000	PASS	Propoxur	10	ND	100	PASS
Diazinon	20	ND	100	PASS	Pyrethrins	100	ND	1000	PASS
Dichlorvos	10	ND	100	PASS	Pyridaben	300	ND	3000	PASS
Dimethoate	300	ND	3000	PASS	Spinetoram total	300	ND	3000	PASS
Dimethomorph	300	ND	3000	PASS	Spinosad total	300	ND	3000	PASS
Ethoprophos	10	ND	100	PASS	Spiromesifen	300	ND	3000	PASS
Etofenprox	10	ND	100	PASS	Spirotetramat	300	ND	3000	PASS
Etoxazole	150	ND	100	PASS	Spiroxamine	10	ND	100	PASS
Fenhexamid	300	ND	3000	PASS	Tebuconazole	100	ND	2000	PASS
Fenoxycarb	10	ND	100	PASS	Thiacloprid	10	ND	100	PASS
Fenpyroximate	200	ND	200	PASS	Thiamethoxam	100	ND	100	PASS
Fipronil	10	ND	100	PASS	Trifloxystrobin	300	ND	3000	PASS
Flonicamid	200	ND	2000	PASS					

***LOD** = Level of Detection; **ND** = Not Detected; **NT** = Not Tested*

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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	186	200	PASS	Lead	50	ND	500	PASS
Cadmium	50	ND	200	PASS	Mercury	300	ND	200	PASS

***ND** = Not Detected; **NT** = Not Tested*

MYCOTOXINS *(Analysis by LCMSMS)*

Toxin	LOD (PPB)	Results (PPB)	Limit (PPB)	Status	Toxin	LOD (PPB)	Results (PPB)	Limit (PPB)	Status
Aflatoxin B1	5	ND	20	PASS	Aflatoxin G2	5	ND	20	PASS
Aflatoxin B2	5	ND	20	PASS	TOTAL Aflatoxins	20	ND	20	PASS
Aflatoxin G1	5	ND	20	PASS	Ochratoxin A	5	ND	20	PASS

***ND** = Not Detected; **NT** = Not Tested*

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	--	PASS	Enterobacteriaceae	1	Abscent in 1g	--	PASS
Total Aerobic Bacteria	1	ND	--	PASS	Shiga Toxin Producing E. coli	1	Abscent in 1g	1	PASS
Total Yeast/Mold	10000	ND	100000	PASS	Aspergillus Flavus	1	Abscent in 1g	--	PASS
Total Coliforms	1	Abscent in 1g	--	PASS	Aspergillus Fumigatus	1	Abscent in 1g	--	PASS
Total Ecoli	1	Abscent in 1g	100	PASS	Aspergillus Niger	1	Abscent in 1g	--	PASS
Salmonella	1	Abscent in 1g	1	PASS	Aspergillus Terreus	1	Abscent in 1g	--	PASS

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TERPENE SUMMARY

TOTAL: 1.390%

PRIMARY AROMAS
Citrusy, Spicy, Floral,
Woody, Fruity, Earthy

TERPENES (*GC FID*)

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

ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)	ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)
d-Limonene	0.4555	4.5548	0.0125	Camphene	ND	ND	0.0125
b-Caryophyllene	0.2558	2.5579	0.0125	Terpinolene	ND	ND	0.0125
cis-Nerolidol 1	0.2213	2.2130	0.0125	Caryophyllene Oxide	ND	ND	0.0125
Linalool	0.1486	1.4857	0.0125	a-Ocimene 1	ND	ND	0.0125
trans-Nerolidol 2	0.0782	0.7819	0.0125	Geraniol	ND	ND	0.0125
b-Myrcene	0.0765	0.7648	0.0125	Isopulegol	ND	ND	0.0125
a-Humulene	0.0751	0.7507	0.0125	p-Cymene	ND	ND	0.0125
b-Pinene	0.0429	0.4286	0.0125	3-Carene	ND	ND	0.0125
a-Bisabolol	0.0367	0.3666	0.0125	a-Terpinene	ND	ND	0.0125
Guaiol	ND	ND	0.0125	Eucalyptol	ND	ND	0.0125
b-Ocimene 2	ND	ND	0.0125	g-Terpinene	ND	ND	0.0125
a-Pinene	ND	ND	0.0125				

ND = Not Detected

RESULT CERTIFICATION

10222025

Frank P. Maurio/Michael R. Horton/Brittany A. Meggs

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

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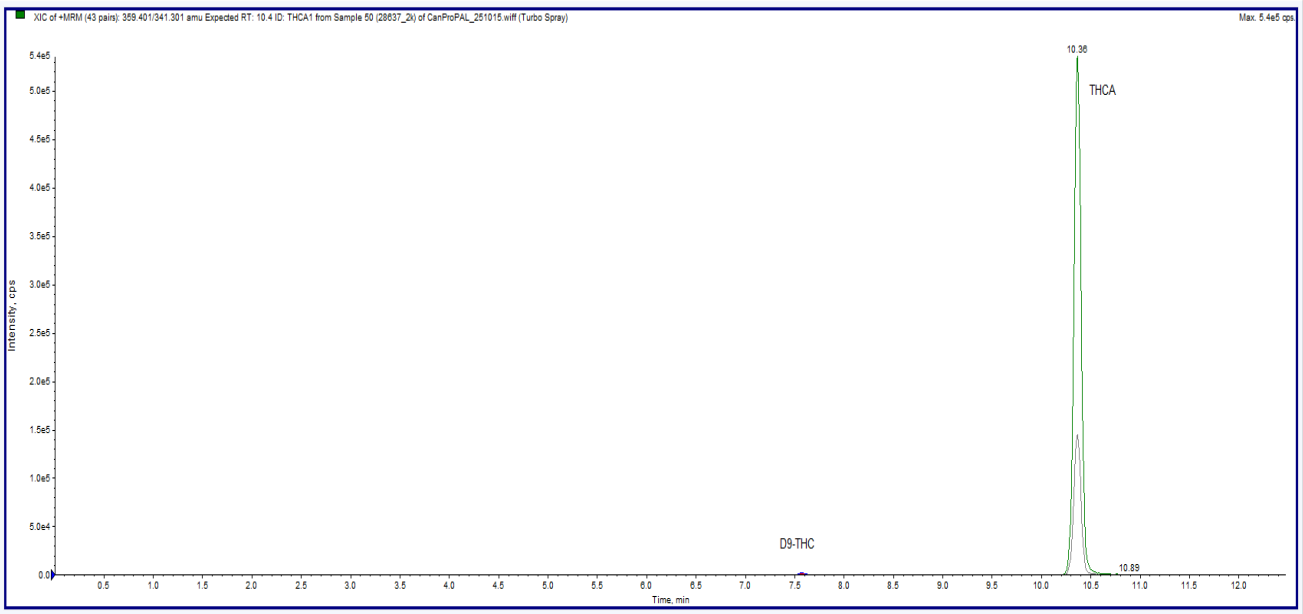
POTENCY REPORT (ABSciex LCMS Triple Quad)



- 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:	Wednesday, October 15, 2025 8:32:19 AM
Last Sample Finished:	Wednesday, October 15, 2025 9:51:56 PM
Sample Acq Time:	Wednesday, October 15, 2025 7:47:53 PM
Sample Acq Duration:	12min29sec
Number of Scans:	0
Periods in File:	1
Batch Name:	\CanProPAL_251015.dab
Batch Path:	D:\Analyst Data\Projects\Cannabinoids\Batch\
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	28637_2k

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