



Accreditation #120090

Proficiency Testing:
ATSM & PHENOVA

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:
Client Address:

Sample ID:
Received Date: 09052024
Reported Date: 10092024
Test(s) Ordered: Full Panel

Sample Name:
Sample Type: Extract
Sample Matrix: Crude
Sample Size: 10g

CANNABINOID SUMMARY

TOTAL CANNABINOIDS: 67.25%
CBD: 59.65%
CBC: 2.057%
TOTAL THC: 3.670%
Δ9-THC: 3.670%

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)	0.2435	2.435	0.019	9S-Hexahydrocannabinol (HHCS)	ND	ND	0.019
Δ8-THC	ND	ND	0.019	9R-Hexahydrocannabinol (HHCR)	ND	ND	0.019
Cannabichromene (CBC)	2.057	20.57	0.019	Cannabidiolic Acid (CBDA)	ND	ND	0.019
Cannabigerol (CBG)	0.7857	7.857	0.019	Δ9-THC Acid (THCA)	ND	ND	0.019
Cannabidiol (CBD)	59.65	596.5	0.019	THC-varian (THCV)	ND	ND	0.019
Cannabigerolic Acid (CBGA)	ND	ND	0.019	***Δ9-THC	3.670	36.70	0.019
Cannabidivarin (CBDV)	0.3168	3.168	0.019	**TOTAL CANNABINOIDS	67.25	672.5	
Cannabidivarin Acid (CBDVA)	ND	ND	0.019	*TOTAL THC	3.670	36.70	
Cannabicitran (CBT)	0.5310	5.310	0.019	*TOTAL CBD	59.65	596.5	
6aR,9S-Δ10-THC	ND	ND	0.019	*TOTAL CBG	0.7857	7.857	
6aR,9R-Δ10-THC	ND	ND	0.019	*TOTAL CBDV	0.3168	3.168	
THC-O-Acetate (THCO)	ND	ND	0.019	TOTAL Δ10-THC	ND	ND	
THCp	ND	ND	0.019	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

10092024

Frank P. Mauro/Michael R. Horton/Bruttany A. Magge

Frank P. Mauro COO/Michael R. Horton CSO & Date



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PESTICIDES (62 pesticides by Liquid Chromatography Mass Spectrometry – LCMS; ND = Not Detected)

ANALYTE	LOQ (PPB)	Results (PPB)	Limit (PPB)	ANALYTE	LOQ (PPB)	Results (PPB)	Limit (PPB)	ANALYTE	LOQ (PPB)	Results (PPB)	Limit (PPB)
Abamectin	10	ND	100	Diazinon	10	ND	100	Myclobutanil	10	ND	100
Acephate	10	ND	100	Dimethoate	10	ND	100	Oxamyl	100	ND	100
Acequinocyl	10	ND	100	Dimethomorph	100	ND	100	Paclobutrazol	10	ND	100
Acetamiprid	100	ND	100	Ethoprophos	10	ND	100	Permethrin	10	ND	100
Aldicarb	10	ND	100	Etofenprox	10	ND	100	Phosmet (Imidan)	100	ND	100
Azoxystrobin	100	ND	100	Etoazole	10	ND	100	Piperonyl Butoxide	100	ND	8000
Bifenazate	10	ND	100	Fenhexamid	10	ND	100	Prallethrin	100	ND	100
Bifenthrin	10	ND	100	Fenoxycarb	10	ND	100	Propiconazole	100	ND	100
Boscalid	100	ND	100	Fluoxastrobin	10	ND	100	Propoxur	10	ND	100
Carbaryl	500	ND	100	Fipronil	10	ND	100	Pyrethrins	100	207	1000
Carbofuran	10	ND	100	Flonicamid	100	ND	100	Pyridaben	100	ND	100
Chlorantraniliprole	1000	ND	100	Fludioxonil	100	ND	100	Spinetoram	100	ND	100
Chlordane	10	ND	100	Hexythiazox	100	ND	100	Spinosad	100	1430	3000
Chlorfenapyr	10	ND	100	Imazalil	10	ND	100	Spinoxamine	100	ND	100
Chlorpyrifos	10	ND	100	Imidacloprid	10	<LOQ	100	Spiromesifen	100	ND	100
Chlormequat Ch	10	ND	100	Kresoxim Methyl	100	ND	100	Spirotetramat	10	ND	100
Coumaphos	10	ND	100	Malathion	10	ND	100	Tebuconazole	100	ND	100
Cyfluthrin	10	ND	100	Metalaxyl	100	ND	100	Thiacloprid	10	ND	100
Cypermethrin	1000	ND	100	Methiocarb	10	ND	100	Thiamethoxam	100	ND	100
Daminozide	10	ND	100	Methomyl	100	ND	100	Trifloxystrobin	10	ND	100
DDVP	10	ND	100	Mevinphos	10	ND	100	Dichlorvos	10	ND	100
Methyl Parathion	10	ND	100	Clofentezine	10	ND	100	Nalad	0.5	ND	0.5
Captan	5	ND	5	Fenpyroximate	10	ND	100	Pentachloronitro benzene	0.2	ND	0.2

HEAVY METALS

Analyte	LOQ (PPM)	Results (PPM)	Limit (PPM)
Cadmium	0.01	0.01	0.2
Lead	0.01	0.13	0.5
Arsenic	0.01	0.01	0.2
Mercury	0.01	0.02	0.2
Chromium	0.01	0.13	0.3

Method: ICP-MS ND = Not Detected

MYCOTOXINS

Toxin	LOQ (PPB)	Results (PPB)	Limit (PPB)
Aflatoxin B1	5	ND	20
Aflatoxin B2	5	15	20
Aflatoxin G1	5	ND	20
Aflatoxin G2	5	ND	20
TOTAL Aflatoxins	20	ND	20
Ochratoxin A	5	ND	20

Method: LCMS ND = Not Detected

MICROBIALS

Organism	LOQ (CFU)	Results (CFU)	Limit (CFU)
Aspergillus fumigatus	10	ND	10
Aspergillus terreus	10	ND	10
Aspergillus niger	10	ND	10
Aspergillus flavus	10	ND	10
Total Coliform	10	ND	1000
BTGN	10	ND	1000
STEC	1	ND	1
Salmonella	1	ND	1
Total Yeast/Mold	10	ND	10000
Total Aerobic Count	10	ND	100000
Total Pathogenic E. Coli	1	ND	1

Method: DRBC agar and Petrifilm

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RESIDUAL SOLVENTS

Solvent	Result (PPM)	LOQ (PPM)	Solvent	Result (PPM)	LOQ (PPM)	Solvent	Result (PPM)	LOQ (PPM)
Acetone	ND	25	Ethanol	ND	100	2-Propanol	ND	25
Acetonitrile	ND	5	Ethyl Acetate	ND	5	Toluene	ND	1
Benzene	ND	1	(C7) <i>n</i>-Heptane	2862	5	Trichloroethene	ND	1
Chloroform	2787	1	(C6) <i>n</i> -Hexane	ND	5	<i>m</i> -Xylene	ND	5 total
Cyclohexane	ND	6	Methanol	ND	25	<i>o</i> -Xylene	ND	5 total
1,2-Dichloroethane	ND	1	Methylene Chloride	ND	1	<i>p</i> -Xylene	ND	5 total
Diethyl ether	ND	20	(C5) <i>n</i> -Pentane	ND	5	Butane	ND	5
Butane	ND	10						

Performed on GC FID

ND = Not Detected

TERPENE SUMMARY

TOTAL: 2.871%

PRIMARY AROMAS

Spicy, Sweet, Floral,
Earthy, Woody, Fruity

TERPENES (GC FID)

ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)
b-Caryophyllene	1.238	12.384	0.0125
a-Bisabolol	0.645	6.447	0.0125
a-Humulene	0.425	4.251	0.0125
Caryophyllene Oxide	0.250	2.496	0.0125
cis-Nerolidol 1	0.135	1.355	0.0125
Guaiol	0.075	0.746	0.0125
trans-Nerolidol 2	0.063	0.629	0.0125
b-Myrcene	0.040	0.402	0.0125
d-Limonene	ND	ND	0.0125
b-Pinene	ND	ND	0.0125
a-Pinene	ND	ND	0.0125
<i>Linalool</i>	ND	ND	0.0125

MOISTURE (loss on drying): NT

ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)
b-Ocimene 2	ND	ND	0.0125
Camphene	ND	ND	0.0125
Terpinolene	ND	ND	0.0125
<i>a</i> -Ocimene 1	ND	ND	0.0125
Geraniol	ND	ND	0.0125
Isopulegol	ND	ND	0.0125
p-Cymene	ND	ND	0.0125
3-Carene	ND	ND	0.0125
a-Terpinene	ND	ND	0.0125
Eucalyptol	ND	ND	0.0125
g-Terpinene	ND	ND	0.0125

ND = Not Detected

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