



Accreditation #120090

Proficiency Testing:
ATSM & PHENOVA

ANALYTICAL

Delta 9 Analytical

Professional, Accurate, Responsive

Laboratory Location

6308 Angus Drive, Ste B
Raleigh NC 27617
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michael@delta9analytical.com

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

Client Name: **Astria Farm**
Client Address:

Sample ID: **13342**
Received Date: 01182024
Reported Date: 01312024
Test(s) Ordered: **Full Panel**

Sample Name: **CBN/D8 RELAX**
Sample Type: Tincture; 1200mg ea
Sample Matrix: **Oil/Extract**
Sample Size: 30mL Test Size: 167.9mg

CANNABINOID SUMMARY	
TOTAL CANNABINOIDS:	8.175% 81.75 mg/g (2453 mgs)
CBN:	43.24 mg/g (1297 mgs)
Δ8-THC:	37.90 mg/g (1137 mgs)
TOTAL THC:	0.0609%
Δ9-THC:	0.0609%

**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)	4.324	43.24	0.018	9S-Hexahydrocannabinol (HHCS)	ND	ND	0.018
Δ8-THC	3.790	37.90	0.018	9R-Hexahydrocannabinol (HHCR)	ND	ND	0.018
Cannabichromene (CBC)	ND	ND	0.018	Cannabidolic Acid (CBDA)	ND	ND	0.018
Cannabigerol (CBG)	ND	ND	0.018	Δ9-THC Acid (THCA)	ND	ND	0.018
Cannabidiol (CBD)	ND	ND	0.018	THC-varian (THCV)	ND	ND	0.018
Cannabigerolic Acid (CBGA)	ND	ND	0.018	***Δ9-THC	0.0609	0.6092	0.018
Cannabidivarin (CBDV)	ND	ND	0.018	**TOTAL CANNABINOIDS	8.175	81.75	
Cannabidivarin Acid (CBDVA)	ND	ND	0.018	*TOTAL THC	0.0609	0.6092	
Cannabicitran (CBT)	ND	ND	0.018	*TOTAL CBD	ND	ND	
6aR,9S-Δ10-THC	ND	ND	0.018	*TOTAL CBG	ND	ND	
6aR,9R-Δ10-THC	ND	ND	0.018	*TOTAL CBDV	ND	ND	
THC-O-Acetate (THCO)	ND	ND	0.018	TOTAL Δ10-THC	ND	ND	
THCp	ND	ND	0.018	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 01312024

Frank P. Maurio/Michael R. Horton

Frank P. Maurio 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	10	Diazinon	10	ND	10	Myclobutanil	10	ND	10
Acephate	10	ND	10	Dimethoate	10	ND	10	Oxamyl	100	ND	500
Acequinocyl	10	ND	10	Dimethomorph	100	ND	20000	Pacllobutrazol	10	ND	10
Acetamiprid	100	ND	5000	Ethoprophos	10	ND	10	Permethrin	10	ND	10
Aldicarb	10	ND	10	Etofenprox	10	ND	10	Phosmet (Imidan)	100	ND	200
Azoxystrobin	100	ND	40000	Etozazole	10	ND	10	Piperonyl Butoxide	100	ND	8000
Bifenazate	10	ND	10	Fenhexamid	10	ND	10	Prallethrin	100	ND	400
Bifenthrin	10	ND	10	Fenoxycarb	10	ND	10	Propiconazole	100	ND	20000
Boscalid	100	ND	10000	Fluoxastrobin	10	ND	10	Propoxur	10	ND	10
Carbaryl	500	ND	500	Fipronil	10	ND	10	Pyrethrins	100	ND	1000
Carbofuran	10	ND	10	Flonicamid	100	ND	2000	Pyridaben	100	ND	3000
Chlorantraniliprole	1000	ND	40000	Fludioxonil	100	ND	30000	Spinetoram	100	ND	3000
Chlordane	10	ND	10	Hexythiazox	100	ND	2000	Spinosad	100	ND	3000
Chlorfenapyr	10	ND	10	Imazalil	10	ND	10	Spinoxamine	100	ND	3000
Chlorpyrifos	10	ND	10	Imidacloprid	10	ND	3000	Spiromesifen	100	ND	12000
Chloromequat Ch	10	ND	10	Kresoxim Methyl	100	ND	1000	Spirotetramat	10	ND	10
Coumaphos	10	ND	10	Malathion	10	ND	10	Tebuconazole	100	ND	2000
Cyfluthrin	10	ND	10	Metalaxyl	100	ND	15000	Thiacloprid	10	ND	10
Cypermethrin	1000	ND	1000	Methiocarb	10	ND	10	Thiamethoxam	100	ND	5000
Daminozide	10	ND	10	Methomyl	100	ND	1000	Trifloxystrobin	10	ND	10
DDVP	10	ND	10	Mevinphos	10	ND	10				

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HEAVY METALS

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

Method: ICP-MS ND = Not Detected

MYCOTOXINS

Toxin	LOQ (PPB)	Results (PPB)	Limit (PPB)
Aflatoxin B1	5	ND	20
Aflatoxin B2	5	ND	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

Method: DRBC agar and Petrifilm

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Frank P. Mauricio/Michael R. Horton

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



Michael Horton Frank Mauricio



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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	ND	5	Trichloroethene	ND	1
Chloroform	ND	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

Performed on GC FID

ND = Not Detected



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Frank P. Mauro/Michael R. Horton

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



Michael Horton Frank Mauro



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