



Accreditation #120090

Proficiency Testing:
ATSM & PHENOVA

ANALYTICAL

Delta 9 Analytical

Professional, Accurate, Responsive

Laboratory Location

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

Client Name: **New River Distilling Co.** Sample ID: **17186**
Client Address: 180 W. Yuma Ln. Received Date: 08302024
Deep Gap, NC 28618 Reported Date: 09122024
Test(s) Ordered: **Full Panel**

Sample Name: **Pure Bloom Wild Berry Seltzer**
Sample Type: Beverage; 10mg D9/5mg CBD
Sample Matrix: **Seltzer/Extract**
Sample Size: 355mL (12oz) Test Size: 10mL

CANNABINOID SUMMARY

TOTAL CANNABINOIDS: 0.0047%
0.0468 mg/g
CBD: 0.0189 mg/g
TOTAL THC: 0.0028%
Δ9-THC: 0.0279 mg/g (**9.90** mgs)

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	0.0001	9S-Hexahydrocannabinol (HHCS)	ND	ND	0.0001
Δ8-THC	ND	ND	0.0001	9R-Hexahydrocannabinol (HHCR)	ND	ND	0.0001
Cannabichromene (CBC)	ND	ND	0.0001	Cannabidiolic Acid (CBDA)	ND	ND	0.0001
Cannabigerol (CBG)	ND	ND	0.0001	Δ9-THC Acid (THCA)	ND	ND	0.0001
Cannabidiol (CBD)	0.0019	0.0189	0.0001	THC-varian (THCV)	ND	ND	0.0001
Cannabigerolic Acid (CBGA)	ND	ND	0.0001	***Δ9-THC	0.0028	0.0279	0.0001
Cannabidivarin (CBDV)	ND	ND	0.0001	**TOTAL CANNABINOIDS	0.0047	0.0468	
Cannabidivarin Acid (CBDVA)	ND	ND	0.0001	*TOTAL THC	0.0028	0.0279	
Cannabicitran (CBT)	ND	ND	0.0001	*TOTAL CBD	0.0019	0.0189	
6aR,9S-Δ10-THC	ND	ND	0.0001	*TOTAL CBG	ND	ND	
6aR,9R-Δ10-THC	ND	ND	0.0001	*TOTAL CBDV	ND	ND	
THC-O-Acetate (THCO)	ND	ND	0.0001	TOTAL Δ10-THC	ND	ND	
THCp	ND	ND	0.0001	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

09122024

Frank P. Mauro/Michael R. Horton/Brittany 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	Paclobotrazol	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	Etoxazole	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	ND	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	ND	3000
Chlorfenapyr	10	ND	100	Imazalil	10	ND	100	Spinoxamine	100	ND	100
Chlorpyrifos	10	ND	100	Imidacloprid	10	ND	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	ND	0.2
Lead	0.01	ND	0.5
Arsenic	0.01	ND	0.2
Mercury	0.08	ND	0.2
Chromium	0.06	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
Total Pathogenic E. Coli	1	ND	1

Method: DRBC agar and Petrifilm

RESULT CERTIFICATION 09122024

Frank P. Mauricio/ Michael R. Horton/ Brittany A. Magga

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







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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
Butane	ND	10						

Performed on GC FID

ND = Not Detected



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