

NC Controlled Substance License #: NC-DHHS-1002881  
 DEA Controlled Substance License #: RD0577986  
 ISO 17025 Certification: PENDING  
 Proficiency Testing Enrolled: Hemp PT Program U of Kentucky  
 Regulatory Services

9  
**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

Client Name: **Hemp Quest Farms**  
 Client Address: 210 School Ave  
 Harrisburg, NC 28075  
 Grower/Processor Lic#:

Sample ID: **3678**  
 Received Date: 10082021  
 Reported Date: 10172021  
 Test(s) Ordered: **Full Panel**

Sample Name: **Full Spectrum 1800**  
 Sample Type: Extract; Batch# 101  
 Sample Matrix: **Tincture**  
 Sample Size: 1oz Test Size: 8g

**CANNABINOID SUMMARY**

**TOTAL CANNABINOIDS:**  
 59.71 mg/mL (1791 mgs/oz)  
**TOTAL THC:** 0.0805%  
**Δ9-THC:** 0.0805%

**BATCH PHOTO**



**TERPENE SUMMARY**

**TOTAL: 0.3571%**

**PRIMARY AROMAS**  
 Spicy, Woody, Sweet,  
 Citrusy, Herbal, Floral

**CANNABINOIDS** (Liquid Chromatography Mass Spectrometry - LCMS)

ANALYTE	MASS (%)	MASS (mg/mL)	LOQ (%)	ANALYTE	MASS (%)	MASS (mg/mL)	LOQ (%)
Cannabinol (CBN)	0.1756	1.756	0.02	Cannabidiolic Acid (CBDA)	ND	ND	0.02
Δ8-THC	0.1329	1.329	0.02	Δ9-THC Acid (THCA)	ND	ND	0.02
Cannabichromene (CBC)	0.0743	0.7429	0.02	THC-varian (THCV)	ND	ND	0.02
Cannabigerol (CBG)	1.759	17.59	0.02	***Δ9-THC	0.0805	0.8048	0.02
Cannabidiol (CBD)	3.749	37.49	0.02	**TOTAL CANNABINOIDS	5.971	59.71	
Cannabigerolic Acid (CBGA)	ND	ND	0.02	*TOTAL THC	0.0805	0.8048	
Cannabidivarin (CBDV)	ND	ND	0.02	*TOTAL CBD	3.749	37.49	

**TERPENES** (GC FID)

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

ANALYTE	MASS (%)	MASS (mg/mL)	LOQ (%)	ANALYTE	MASS (%)	MASS (mg/mL)	LOQ (%)
β-Myrcene	0.1071	1.071	0.005	Eucalyptol	ND	ND	0.005
α-Ocimene 1	0.0715	0.7154	0.005	Guaiol	ND	ND	0.005
δ-Limonene	0.0567	0.5671	0.005	Caryophyllene Oxide	ND	ND	0.005
Linalool	0.0259	0.2593	0.005	Isopulegol	ND	ND	0.005
α-Pinene	0.0256	0.2558	0.005	β-Ocimene 2	ND	ND	0.005
β-Pinene	0.0236	0.2362	0.005	Terpinolene	ND	ND	0.005
Geraniol	0.0202	0.2018	0.005	p-Cymene	ND	ND	0.005
β-Caryophyllene	0.0200	0.2005	0.005	γ-Terpinene	ND	ND	0.005
α-Bisabolol	0.0064	0.0639	0.005	Camphene	ND	ND	0.005
α-Humulene	<0.005	<0.05	0.005	3-Carene	ND	ND	0.005
trans-Nerolidol 2	<0.005	<0.05	0.005	α-Terpinene	ND	ND	0.005
cis-Nerolidol 1	<0.005	<0.05	0.005				

**RESULT CERTIFICATION**

 10172021  
 Frank P. Mauro COO/Michael R. Horton CSO & Date



Scan QR Code to  
 verify COA at  
 www.delta9analytical.com

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**PESTICIDES** (61 pesticides by Liquid Chromatography Mass Spectrometry – LCMS; ND = Not Detected)

ANALYTE	LOQ (PPB)	MASS (PPB)	ANALYTE	LOQ (PPB)	MASS (PPB)	ANALYTE	LOQ (PPB)	MASS (PPB)
Acephate	100	ND	Dimethomorph	100	ND	Permethrin	100	ND
Acequinocyl	100	ND	Ethoprophos	100	ND	Phosmet	100	ND
Acetamiprid	100	ND	Etofenprox	100	ND	Piperonyl butoxide	100	ND
Aldicarb	100	ND	Etoxazole	100	ND	Prallethrin	100	ND
Abamectin B1a	100	ND	Fenhexamid	100	ND	Propiconazole	100	ND
Azoxystrobin	100	ND	Fenoxycarb	100	ND	Propoxur	100	ND
Bifenazate (D 2341)	100	ND	Fenpyroximate	100	ND	Pyrethrin I	100	ND
Bifenthrin	100	ND	Flonicamid	100	ND	Pyrethrin II	100	ND
Boscalid (Nicobifen)	100	ND	Hexythiazox	100	ND	Pyridaben	100	ND
Carbaryl	100	ND	Imazalil	100	ND	Spinetoram J	100	ND
Carbofuran	100	ND	Imidacloprid	100	ND	Spinetoram L	100	ND
Chlorantraniliprole	100	ND	Kresoxim methyl	100	ND	Spinosyn A	100	ND
Chlorpyrifos	100	ND	Malathion	100	ND	Spinosyn D	100	ND
Clofentezin	100	ND	Metaxyl	100	ND	Spiromesifen	100	ND
Coumaphos	100	ND	Methiocarb	100	ND	Spirotetramat	100	ND
Cyfluthrin	100	ND	Methomyl	100	ND	Spiroxamine	100	ND
Cypermethrin	100	ND	Mevinphos	100	ND	Tebuconazole	100	ND
Daminozide	100	ND	Myclobutanil	100	ND	Thiacloprid	100	ND
Diazinon (Dimpylate)	100	ND	Oxamyl	100	ND	Thiamethoxam	100	ND
Dichlorvos	100	ND	Paclobutrazol	100	ND	Trifloxystrobin	100	ND
Dimethoate	100	ND						

HEAVY METALS		
Analyte	Mass (PPM)	LOQ (PPM)
Arsenic	<0.001	0.001
Cadmium	0.254	0.015
Lead	<0.015	0.015
Mercury	0.002	0.001

**Method:** ICP-MS **ND** = Not Detected

MICROBIALS	
Organism	Results (CFU)
Aspergillus fumigatus	PASS
Aspergillus terreus	PASS
Aspergillus niger	PASS
Aspergillus flavus	PASS
TOTAL Entero bacteriaceae	PASS
E. Coli	PASS

**Method:** DRBC agar, Total Aerobic Dip slide; Total Enterobacteriaceae & E. coli Petrifilm

MYCOTOXINS		
Toxin	LOQ PPM	Units PPM
Aflatoxin B1	20.00	ND
Aflatoxin B2	20.00	ND
Aflatoxin G1	20.00	ND
Aflatoxin G2	20.00	ND
TOTAL Aflatoxins	20.00	ND
Ochratoxin A	20.00	ND

**Method:** LCMS **ND** = Not Detected

**RESULT CERTIFICATION**

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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) n-Heptane	ND	5	Trichloroethene	ND	1
Chloroform	ND	1	(C6) n-Hexane	ND	5	m-Xylene	ND	5 total
Cyclohexane	ND	6	Methanol	ND	25	o-Xylene	ND	5 total
1,2-Dichloroethane	ND	1	Methylene Chloride	ND	1	p-Xylene	ND	5 total
Diethyl ether	ND	20	(C5) n-Pentane	ND	5			

Performed on GC FID

ND = Not Detected

#### RESULT CERTIFICATION

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