

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

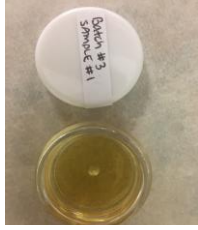
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**ANALYTICAL**  
**Delta 9 Analytical**  
 Professional, Accurate, Responsive

**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: **4035**  
 Received Date: 11222021  
 Reported Date: 11222021  
 Test(s) Ordered: **Full Panel**

Sample Name: **Full Spectrum**  
 Sample Type: Extract; Batch #3  
 Sample Matrix: **Distillate**; Sample #1  
 Sample Size: 5g Test Size: 4.5g

<p><b>CANNABINOID SUMMARY</b></p> <p><b>TOTAL CANNABINOIDS: 80.60%</b>  <b>TOTAL CBD: 62.34%</b>  <b>TOTAL THC: 4.981%</b>  <b>Δ9-THC: 4.981%</b></p>	<p><b>BATCH PHOTO</b></p> 	<p><b>TERPENE SUMMARY</b></p> <p><b>TOTAL: 0.1204%</b></p> <p><b>PRIMARY AROMAS</b>        Sweet, Floral, Woody,        Fruity, Piney, Spicy</p>
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**CANNABINOIDS** (Liquid Chromatography Mass Spectrometry - LCMS)

ANALYTE	MASS (%)	MASS (mg/mL)	LOQ (%)	ANALYTE	MASS (%)	MASS (mg/mL)	LOQ (%)
Cannabinol (CBN)	0.1486	1.486	0.018	Cannabidiolic Acid (CBDA)	ND	ND	0.018
Δ8-THC	0.2714	2.714	0.018	Δ9-THC Acid (THCA)	ND	ND	0.018
Cannabichromene (CBC)	0.7087	7.087	0.018	THC-varian (THCV)	0.1162	1.162	0.018
Cannabigerol (CBG)	0.6392	6.392	0.018	***Δ9-THC	4.981	49.81	0.018
Cannabidiol (CBD)	62.34	623.4	0.018	Cannabicitran (CBT)	10.85	108.5	0.018
Cannabigerolic Acid (CBGA)	ND	ND	0.018	**TOTAL CANNABINOIDS	80.60	806.0	
Cannabidivarin (CBDV)	0.5523	5.523	0.018	*TOTAL THC	4.981	49.81	

**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 (%)
α-Bisabolol	0.0651	0.6508	0.005	α-Pinene	ND	ND	0.005
trans-Nerolidol 2	0.0236	0.2356	0.005	Eucalyptol	ND	ND	0.005
Guaiol	0.0201	0.2008	0.005	α-Ocimene 1	ND	ND	0.005
Caryophyllene Oxide	0.0117	0.1170	0.005	β-Ocimene 2	ND	ND	0.005
δ-Limonene	ND	ND	0.005	Isopulegol	ND	ND	0.005
Geraniol	ND	ND	0.005	Terpinolene	ND	ND	0.005
β-Myrcene	ND	ND	0.005	Camphene	ND	ND	0.005
Linalool	ND	ND	0.005	p-Cymene	ND	ND	0.005
β-Caryophyllene	ND	ND	0.005	γ-Terpinene	ND	ND	0.005
β-Pinene	ND	ND	0.005	3-Carene	ND	ND	0.005
α-Humulene	ND	ND	0.005	α-Terpinene	ND	ND	0.005
cis-Nerolidol 1	ND	ND	0.005				

<p><b>RESULT CERTIFICATION</b></p> <p> 11222021        Frank P. Mauro COO/Michael R. Horton CSO &amp; Date</p>	 Michael Horton Frank Mauro		<p>Scan QR Code to verify COA at <a href="http://www.delta9analytical.com">www.delta9analytical.com</a></p>
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Testing results are based solely upon the sample submitted to Delta 9 Analytical, LLC. (D9A) In the condition it was received. D9A warrants that all analytical work is conducted professionally in accordance with all applicable standard practices using validated methods utilizing certified reference standards. \*\*\*The uncertainty of measurement associated with the measurement result reported in this certificate is available from D9A upon request. This report may not be reproduced, except in full, without the written approval of D9A. Heavy Metals testing performed by Waters Ag Labs (Camilla, GA) and Pesticide, Mycotoxin and Microbial Testing performed by SJ Labs & Analytics (Macon, GA). Full Panel: Cannabinoids, Terpenes, Pesticides, Heavy Metals, Mycotoxins, Microbials and Residual Solvents.

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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

### HEAVY METALS

Analyte	Mass (PPM)	LOQ (PPM)
Arsenic	<0.001	0.001
Cadmium	0.117	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	ND
Aflatoxin B2	20	ND
Aflatoxin G1	20	ND
Aflatoxin G2	20	ND
TOTAL Aflatoxins	20	ND
Ochratoxin A	20	ND

Method: LCMS ND = Not Detected

### RESULT CERTIFICATION

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



Michael Horton Frank Maurio



Scan QR Code to verify COA at [www.delta9analytical.com](http://www.delta9analytical.com)

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