

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: **RTW & CO, LLC**

Sample ID: **2147**

Sample Name: **500FSPCR + 500D8**

Received Date: 04052021

Sample Type: Extract

Reported Date: 04112021

Sample Matrix: **Tincture**; 1000mg

Grower/Processor Lic#:

Test(s) Ordered: **C + T**

Sample Size: 1oz Test Size: 48.5mg

<p style="text-align: center;"><b>CANNABINOID SUMMARY</b></p> <p><b>TOTAL CANNABINOIDS:</b> 3.507%  <b>Δ8-THC:</b> 17.41 mg/g (522mg)  <b>TOTAL CBD:</b> 16.01 mg/g (480mg)  <b>TOTAL THC:</b> 0.0841%  <b>Δ9-THC:</b> 0.0841%</p>	<p><b>BATCH PHOTO</b></p> 	<p style="text-align: center;"><b>TERPENE SUMMARY</b></p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 5px;"> <p><b>TOTAL:</b> 0.0139%</p> </div> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 5px;"> <p><b>PRIMARY AROMAS</b>        Floral, Spicy, Woody, Earthy</p> </div>
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**CANNABINOIDS** (Liquid Chromatography Mass Spectrometry)

ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)	ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)
Cannabinol (CBN)	ND	ND	0.05	Cannabidolic Acid (CBDA)	ND	ND	0.05
Δ8-THC	1.741	17.41	0.05	Δ9-THC Acid (THCA)	ND	ND	0.05
Cannabichromene (CBC)	0.0803	0.8030	0.05	THC-varian (THCV)	ND	ND	0.05
Cannabigerol (CBG)	<0.05	<0.5	0.05	***Δ9-THC	0.0841	0.8414	0.05
Cannabidiol (CBD)	1.601	16.01	0.05	**TOTAL CANNABINOIDS	3.507	35.07	
Cannabigerolic Acid (CBGA)	ND	ND	0.05	*TOTAL THC	0.0841	0.8414	
Cannabidivarin (CBDV)	ND	ND	0.05	*TOTAL CBD	1.601	16.01	

**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/g)	LOQ (%)	ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)
Geraniol	0.0139	0.139	0.005	α-Pinene	ND	ND	0.005
β-Caryophyllene	<0.005	<0.05	0.005	β-Pinene	ND	ND	0.005
α-Humulene	<0.005	<0.05	0.005	β-Ocimene 2	ND	ND	0.005
α-Bisabolol	<0.005	<0.05	0.005	Eucalyptol	ND	ND	0.005
cis-Nerolidol 1	<0.005	<0.05	0.005	Camphene	ND	ND	0.005
Guaiol	<0.005	<0.05	0.005	γ-Terpinene	ND	ND	0.005
Isopulegol	<0.005	<0.05	0.005	Terpinolene	ND	ND	0.005
Linalool	ND	ND	0.005	α-Ocimene 1	ND	ND	0.005
trans-Nerolidol 2	ND	ND	0.005	α-Terpinene	ND	ND	0.005
β-Myrcene	ND	ND	0.005	3-Carene	ND	ND	0.005
δ-Limonene	ND	ND	0.005	p-Cymene	ND	ND	0.005
Caryophyllene Oxide	ND	ND	0.005				

**SAMPLE CERTIFICATION**

 04112021

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






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

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. **Tests Ordered:** C=Cannabinoids; PO=Potency; T=Terpenes; P=Pesticides; HM=Heavy Metals; MY=Mycotoxins; MC=Microbials; RS=Residual Solvents.

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 michael@delta9analytical.com

Client Name: **RTW & CO, LLC**

Sample ID: **2813**

Sample Name: **1:1 FS:D8 PCR**

Received Date: 06282021

Sample Type: Extract

Reported Date: 06302021

Sample Matrix: **Tincture**; 2000mg

Grower/Processor Lic#:

Test(s) Ordered: **C + T**

Sample Size: 1oz Test Size: 72mg

<p style="text-align: center;"><b>CANNABINOID SUMMARY</b></p> <div style="border: 1px solid black; padding: 5px;"> <p><b>TOTAL CANNABINOIDS:</b> 73.5 mg/g  <b>TOTAL CBD:</b> 34.07 mg/g  <b>Δ8-THC:</b> 34.69 mg/g  <b>TOTAL THC:</b> 0.2032%  <b>Δ9-THC:</b> 0.2032%</p> </div>	<p><b>BATCH PHOTO</b></p> 	<p style="text-align: center;"><b>TERPENE SUMMARY</b></p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>TOTAL:</b> 0.0546%</p> </div> <div style="border: 1px solid black; padding: 5px; text-align: center; margin-top: 10px;"> <p><b>PRIMARY AROMAS</b>        Spicy, Earthy, Woody, Floral</p> </div>
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**CANNABINOIDS** (Liquid Chromatography Mass Spectrometry)

ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)	ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)
Cannabinol (CBN)	0.0475	0.4746	0.02	Δ9-THC Acid (THCA)	ND	ND	0.02
Δ8-THC	3.469	34.69	0.02	THC-varian (THCV)	ND	ND	0.02
Cannabichromene (CBC)	0.1572	1.572	0.02	***Δ9-THC	0.2032	2.032	0.02
Cannabigerol (CBG)	0.0749	0.7485	0.02	Δ10R-THC	0.0220	0.2201	0.02
Cannabidiol (CBD)	3.407	34.07	0.02	Δ10S-THC	0.1265	1.265	0.02
Cannabigerolic Acid (CBGA)	ND	ND	0.02	**TOTAL CANNABINOIDS	7.358	73.58	
Cannabidivarin (CBDV)	ND	ND	0.02	*TOTAL THC	0.2032	2.032	
Cannabidolic Acid (CBDA)	ND	ND	0.02	*TOTAL CBD	3.407	34.07	

\*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

**TERPENES** (GC FID)

ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)	ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)
β-Caryophyllene	0.0127	0.1268	0.005	Eucalyptol	ND	ND	0.005
α-Humulene	0.0101	0.1012	0.005	Camphene	ND	ND	0.005
Guaiol	0.0092	0.0920	0.005	Isopulegol	ND	ND	0.005
cis-Nerolidol 1	0.0080	0.0800	0.005	Geraniol	ND	ND	0.005
α-Bisabolol	0.0073	0.0733	0.005	Terpinolene	ND	ND	0.005
Caryophyllene Oxide	0.0072	0.0724	0.005	γ-Terpinene	ND	ND	0.005
Linalool	<0.005	<0.05	0.005	β-Ocimene 2	ND	ND	0.005
β-Myrcene	ND	ND	0.005	p-Cymene	ND	ND	0.005
trans-Nerolidol 2	ND	ND	0.005	α-Ocimene 1	ND	ND	0.005
δ-Limonene	ND	ND	0.005	3-Carene	ND	ND	0.005
α-Pinene	ND	ND	0.005	α-Terpinene	ND	ND	0.005
β-Pinene	ND	ND	0.005				

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 06302021  
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