

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  
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Client Name: **MHF Group, Inc.**  
 Client Address: 6 Winners Circle, Unit 3  
 Arden, NC 28704  
 Grower/Processor Lic#: **NC HP579**

Sample ID: **1668**  
 Received Date: 02012021  
 Reported Date: 02022021  
 Test(s) Ordered: **C + T**

Sample Strain: **Goliath D8**  
 Sample Type: Flower/Extract  
 Sample Matrix: **Hemp/Distillate**  
 Sample Size: 3.47g

**CANNABINOID SUMMARY**

**TOTAL CANNABINOIDS:**  
 21.61%  
**Δ8-THC:** 43.78 mg/g  
**TOTAL THC:** 0.8410%  
**Δ9-THC:** 0.2280%

**BATCH PHOTO**



**TERPENE SUMMARY**

**TOTAL:** 1.216%

**PRIMARY AROMAS**

Spicy, Woody, Fruity, Citrusy

**CANNABINOIDS** (Liquid Chromatography Mass Spectrometry)

**MOISTURE** (loss on drying): NT

| ANALYTE                    | MASS (%) | MASS (mg/g) | LOQ (%) | ANALYTE                  | MASS (%) | MASS (mg/g) | LOQ (%) |
|----------------------------|----------|-------------|---------|--------------------------|----------|-------------|---------|
| Cannabinol (CBN)           | ND       | ND          | 0.05    | Cannabidolic Acid (CBDA) | 15.58    | 155.78      | 0.05    |
| Δ8-THC                     | 4.378    | 43.78       | 0.05    | Δ9-THC Acid (THCA)       | 0.6989   | 6.989       | 0.05    |
| Cannabichromene (CBC)      | <0.05    | <0.5        | 0.05    | THC-varian (THCV)        | ND       | ND          | 0.05    |
| Cannabigerol (CBG)         | 0.0836   | 0.836       | 0.05    | ***Δ9-THC                | 0.228    | 2.28        | 0.05    |
| Cannabidiol (CBD)          | 0.2056   | 2.056       | 0.05    | **TOTAL CANNABINOIDS     | 21.605   | 216.05      |         |
| Cannabigerolic Acid (CBGA) | 0.4335   | 4.335       | 0.05    | *TOTAL THC               | 0.84     | 8.41        |         |
| Cannabidivarin (CBDV)      | ND       | ND          | 0.05    | *TOTAL CBD               | 13.87    | 138.67      |         |

**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 (%) |
|---------------------|----------|-------------|---------|-------------|----------|-------------|---------|
| β-Myrcene           | 0.4276   | 4.276       | 0.005   | Geraniol    | 0.0043   | 0.043       | 0.005   |
| cis-Nerolidol 1     | 0.3644   | 3.644       | 0.005   | Eucalyptol  | <0.05    | <0.05       | 0.005   |
| δ-Limonene          | 0.1300   | 1.300       | 0.005   | Camphene    | <0.05    | <0.05       | 0.005   |
| β-Caryophyllene     | 0.0694   | 0.694       | 0.005   | Terpinolene | <0.05    | <0.05       | 0.005   |
| trans-Nerolidol 2   | 0.0531   | 0.531       | 0.005   | β-Ocimene 2 | ND       | ND          | 0.005   |
| α-Bisabolol         | 0.0445   | 0.445       | 0.005   | α-Terpinene | ND       | ND          | 0.005   |
| α-Pinene            | 0.0375   | 0.375       | 0.005   | 3-Carene    | ND       | ND          | 0.005   |
| α-Humulene          | 0.0282   | 0.282       | 0.005   | γ-Terpinene | ND       | ND          | 0.005   |
| β-Pinene            | 0.0235   | 0.235       | 0.005   | α-Ocimene 1 | ND       | ND          | 0.005   |
| Linalool            | 0.0170   | 0.170       | 0.005   | Isopulegol  | ND       | ND          | 0.005   |
| Caryophyllene Oxide | 0.0117   | 0.117       | 0.005   | p-Cymene    | ND       | ND          | 0.005   |
| Guaiol              | 0.0092   | 0.092       | 0.005   |             |          |             |         |

**SAMPLE CERTIFICATION**

 02022021  
 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.