



Steven W. Troxler
Commissioner

North Carolina Department of Agriculture
and Consumer Services
Plant Industry Division

Phillip L. Wilson
Director

Joy A. Goforth
Plant Pest Administrator

Brian D. Bowers
Seed and Fertilizer
Administrator

Total THC Test Report

Sample Submitted By:

NCDA&CS Plant Industry Division
216 West Jones Street
Raleigh, NC 27603

Date of Sample Submission: 7/15/2020

Sample ID: EBN-NC1447-00010

Grower/Applicant Name: Louis Rubio

License Number: 1447

Variety: White CBG

Comments:

Final Report

Total Delta-9 (Δ^9) THC (%): **<0.1**

Approved By: Paul R. Adams III

Date: **7/31/2020**

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 Acct#: 49
 Client Name: Hemp Generation
 Client Address: 124 SW Maynard Rd Ste A
 Cary, NC 27511

NC Hemp Lic: 1447
 Received Date: 08202020
 Reported Date: 08232020
 Sample ID: 0000311

Sample Strain: White CBG
 Sample Type: Flower
 Sample Matrix: Cured Hemp
 Sample Size: 2.63g

<p style="text-align: center;">CANNABINOID SUMMARY</p> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: 80%;"> <p style="text-align: center;">TOTAL CANNABINOIDS: 15.72%</p> <p style="text-align: center;">TOTAL CBG: 13.74%</p> <p style="text-align: center;">TOTAL THC: 0.0883%</p> <p style="text-align: center;">Δ9-THC: 0.0174%</p> </div>	<p style="text-align: center;">BATCH PHOTO</p> 	<p style="text-align: center;">TERPENE SUMMARY</p> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: 80%;"> <p style="text-align: center;">TOTAL: 0.7150%</p> </div> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: 80%;"> <p style="text-align: center;">PRIMARY AROMAS</p> <p style="text-align: center;">Woody, Citrus, Piney, Spicy, Floral</p> </div>
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CANNABINOIDS (Liquid Chromatography Mass Spectrometry)

MOISTURE (loss on drying): 4.36%

ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)	ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)
Cannabinol (CBN)	ND	ND	0.01	Cannabidolic Acid (CBDA)	0.021	0.210	0.01
Δ8-THC	ND	ND	0.01	Δ9-THC Acid (THCA)	0.0808	0.808	0.01
Cannabichromene (CBC)	0.0427	0.427	0.01	THC-varian (THCV)	ND	ND	0.01
Cannabigerol (CBG)	0.7515	0.7515	0.01	***Δ9-THC	0.0174	0.174	0.01
Cannabidiol (CBD)	ND	ND	0.01	**TOTAL CANNABINOIDS	15.7215	157.2	
Cannabigerolic Acid (CBGA)	14.808	148.1	0.01	*TOTAL THC	0.0883	0.883	
Cannabidivarin (CBDV)	ND	ND	0.01	*TOTAL CBG	13.738	137.4	

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	0.3249	3.249	0.002	Camphene	ND	ND	0.002
β-Caryophyllene	0.1374	1.374	0.002	Eucalyptol	ND	ND	0.002
δ-Limonene	0.0765	0.765	0.002	Geraniol	ND	ND	0.002
Guaiol	0.0411	0.411	0.002	α-Terpinene	ND	ND	0.002
α-Bisabolol	0.0386	0.386	0.002	γ-Terpinene	ND	ND	0.002
α-Humulene	0.0349	0.349	0.002	Terpinolene	ND	ND	0.002
Linalool	0.0243	0.243	0.002	3-Carene	ND	ND	0.002
trans-Nerolidol 2	0.018	0.180	0.002	Isopulegol	ND	ND	0.002
α-Pinene	0.0105	0.105	0.002	β-Pinene	ND	ND	0.002
β-Ocimene 2	0.0088	0.088	0.002	cis-Nerolidol 1	ND	ND	0.002
α-Ocimene 1	ND	ND	0.002	p-Cymene	ND	ND	0.002
Caryophyllene Oxide	ND	ND	0.002				

<p>SAMPLE CERTIFICATION</p> <p> 08/29/2020 Frank P. Mauro COO/Michael R. Horton CSO & Date</p>	 <p style="font-size: small; text-align: center;">Michael Horton Frank Mauro</p>		<p>Scan QR Code to verify COA at www.delta9analytical.com</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.

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PESTICIDES (48 pesticides by LCMS)

ANALYTE	LOQ (PPB)	MASS (PPB)	ANALYTE	LOQ (PPB)	MASS (PPB)	ANALYTE	LOQ (PPB)	MASS (PPB)
Abamectin B1a	89	ND	Etoxazole	100	ND	Paclobutrazol	100	ND
Acephate	100	ND	Fenhexamide	100	ND	Piperonyl Butoxide	100	ND
Acetamiprid	100	ND	Fenoxycarb	100	ND	Propiconazole	100	ND
Aldicarb	100	ND	Fenpyroximate	100	ND	Propoxur	100	ND
Azoxystrobin	100	ND	Fipronil	100	ND	Pyrethrin 1	27	ND
Bifenazate	100	ND	Flonicamid	100	ND	Pyridaben	100	ND
Boscalid	100	ND	Fludioxinol	100	ND	Spinosyn A	48	230
Carbaryl	100	ND	Imazalil	100	ND	Spinosyn D	53	290
Carbofuran	100	ND	Imidacloprid	100	ND	Spinosyn J	80	ND
Chlorantraniliprole	100	ND	Kresoxim Methyl	100	ND	Spiromesifen	100	ND
Cypermethrin	100	ND	Malathion	100	ND	Spirotetramat	100	ND
Diazinon	100	ND	Metalaxyl	100	ND	Spiroxamine	100	ND
Dimethoate	100	ND	Methomyl	100	ND	Tebuconazole	100	ND
Dimethomorph	100	ND	Mevinphos	100	ND	Thiacloprid	100	ND
Ethoprophos	100	ND	Myclobutanil	100	ND	Thiamethozam	100	ND
Etofenprox	100	ND	Oxamyl	100	ND	Trifloxystrobin	100	ND

HEAVY METALS		
Analyte	Mass (PPM)	LOQ (PPM)
Arsenic	ND	3
Cadmium	ND	3
Lead	ND	3
Mercury	ND	1

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

MICROBIALS	
Organism	Results (CFU)
TOTAL Yeast/Mold	10 ¹ CFU
TOTAL Aerobic	<10 ³ CFU
TOTAL Entero Bacteriaceae	Negative
E. Coli	Negative

Method: Petriflim/Dip Slide Culture

MYCOTOXINS		
Toxin	LOQ/Limit PPM	Units PPM
B1	20.0	ND
B2	20.0	ND
G1	20.0	ND
G2	20.0	ND
Ochratoxin A	20.0	ND

Method: LCMS **ND** = Not Detected

RESULT CERTIFICATION

 08/29/2020
 Frank P. Mauricio COO/Michael R. Horton CSO & Date




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