



DEA No. RA0571996  
 FL License # CMTL-0003  
 CLIA No. 10D1094068

# Certificate of Analysis

R&D

**CAROLINA HEMP  
 REFINERY**  
 800 UNION RIDGE ROAD  
 BURLINGTON, NC 27217

Batch # Puka-TO-bar-1ml-BG-002  
 Batch Date: 2022-05-02  
 Extracted From: Hemp

Test Reg State: Florida

Production Facility: Carolina Hemp  
 Refinery  
 Production Date: 2022-05-02

Order # CAR220525-150001  
 Order Date: 2022-05-25  
 Sample # AACW321

Sampling Date: 2022-05-26  
 Lab Batch Date: 2022-05-26  
 Completion Date: 2022-05-30

Initial Gross Weight: 18.989 g

Number of Units: 1  
 Net Weight per Unit: 1.000 g



Potency  
 Tested

Product Image

**Potency 21 (LCUV)**  
 Specimen Weight: 58.680 mg

Tested  
 SOP13.002 (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC-O Acetate	1000.000	0.000027	0.0003	876.7000	87.6700
Delta-9 THC-O Acetate	10.000	0.000077	0.0003	19.7800	1.9780
CBT	10.000	0.0002	0.0015	9.1720	0.9172
Delta-8 THC	10.000	0.000026	0.0015	3.5370	0.3537
THCVA	10.000	0.000047	0.0015		<LOQ
THCV	10.000	0.000007	0.0015		<LOQ
THCA	10.000	0.000032	0.0015		<LOQ
CBC	10.000	0.000018	0.0015		<LOQ
Exo-THC	10.000	0.00023	0.0015		<LOQ
CBCA	10.000	0.000107	0.0015		<LOQ
Delta-8 THCV	10.000	0.00004	0.0015		<LOQ
CBNA	10.000	0.000095	0.0015		<LOQ
CBN	10.000	0.000014	0.0015		<LOQ
CBL	10.000	0.000035	0.0015		<LOQ
CBGA	10.000	0.00008	0.0015		<LOQ
CBG	10.000	0.000248	0.0015		<LOQ
CBDVA	10.000	0.000014	0.0015		<LOQ
CBDV	10.000	0.000065	0.0015		<LOQ
CBDA	10.000	0.00001	0.0015		<LOQ
CBD	10.000	0.000054	0.0015		<LOQ
Delta-9 THC	10.000	0.000013	0.0015		<LOQ

**Potency Summary**

Total THC None Detected	Total CBD None Detected
Total CBG None Detected	Total CBN None Detected
Other Cannabinoids 90.919%	Total Cannabinoids 909.190mg

Xueli Gao  
 Ph.D., DABT  
 Lab Toxicologist

Aixa Sun  
 D.H.Sc., M.Sc., B.Sc., MT (AAB)  
 Lab Director/Principal Scientist



Definitions and Abbreviations used in this report: Total CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.87), Total THC = THCA-A \* 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA \* 0.87), CBG Total = (CBGA \* 0.877) + CBG, CBN Total = (CBNA \* 0.877) + CBN, Total CBC = CBC + (CBCA \* 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta8-THC + Delta9-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, \*Measurement of Uncertainty = +/- 10%

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