

Customer Name: CT Pharmaceutical Solutions

Customer Address: 47 Lower Main St.

Portland, CT 06480

Phone Number: 860-740-4340

Results issued on: 3/3/2021 COA No.: 89030221-C

Client Lot Number	Sample ID	Tests Conducted
Blackjack CBD	8103-7	Quality Control Analysis
	8113-2	
	8113-2	Active Ingredient Analysis
	8113-2	Terpene Analysis

Quality Control Results

<u>Test</u>	<u>Test Conducted</u>	<u>Specification</u>	<u>Results (Pass/Fail)</u>
Microbiology	Total Aerobic Microbial Count	< 10 ⁶ CFU/g	Passed
	Total Yeast and Mold Count	< 10 ⁴ CFU/g	Passed
	Gram-negative Bacteria	< 10 ² CFU/g	Passed
	<i>E. coli</i> (pathogenic strains)	Not Detected in 1 gram	Passed
	<i>Salmonella</i>	Not Detected in 1 gram	Passed
Mycotoxins	Aflatoxin B1	< 20 ug/Kg	Passed
	Aflatoxin B2	< 20 ug/Kg	Passed
	Aflatoxin G1	< 20 ug/Kg	Passed
	Aflatoxin G2	< 20 ug/Kg	Passed
	Ochratoxin A	< 20 ug/Kg	Passed
Heavy Metals	Arsenic - As	< 4.206 ug/g	Passed
	Cadmium - Cd	< 2.704 ug/g	Passed
	Mercury - Hg	< 8.712 ug/g	Passed
	Lead - Pb	< 8.712 ug/g	Passed

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Client Lot Number: Blackjack CBD

Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Dry-weight percent (w/w)
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	1.10%
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	<0.10%
Cannabidiol Acid (CBD-A)	28.0%
Cannabidiol (CBD)	0.34%
Cannabigerol Acid (CBG-A)	0.83%
Cannabigerol (CBG)	<0.10%
Cannabinol (CBN)	<0.10%
Cannabichromene (CBC)	<0.10%
Tetrahydrocannabivarin (THCV)	<0.10%
Cannabidivarin (CBDV)	<0.10%

Moisture Content (% w/w)
7.02%

Dry-weight percent cannabinoid content = wet-weight percent cannabinoid / (1 – percent moisture / 100)

“Wet-weight” means the weight of the sample as it was collected from facility.

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (w/w)
α -Pinene	0.24%
β -Pinene	0.11%
β -Myrcene	0.93%
Limonene	0.14%
Ocimene	<0.10%
Linalool	<0.10%
β -Caryophyllene	0.32%
Humulene	<0.10%
α -Bisabolol	0.20%



Results Approved by
Jose A. Zavaleta, Lab Director



CoA Reviewed by
Jessie McGinn, Quality Manager

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