

Best Weed Lab, LLC

Certificate of Analysis

Best Weed Lab, LLC
(TL) License: TL00123456
Report Created: 02/23/2025

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Cannabis Dispensary

2133 Weed Way, Trenton, NJ 08608

Licensee Permit #: TEST70000C1

Item Name: WEED Hybrid-SnocK-Pack- Sample

Quantity Sampled - 28g

Lab ID: XMPLC0123456

Manifest ID: 987654

METRIC ID: XMPLID000000012347

Source Package ID: XMPLSOURCE123456789

Batch ID: XMPL12345678

Sample Collected: 2/20/2025

Sample Received: 2/20/2025

METRIC Lab Test Batch

Raw Plant Material

Cannabinoids*

Analyte	MRL	% (w/w)	Unit	1/20/2025	mg/g
CBD	0.1	< MRL	< MRL		
CBDa	0.1	< MRL	< MRL		
CBN	0.1	< MRL	< MRL		
Δ9-THC	0.1	0.25	2.50		
THCa	0.1	26.63	266.30		
CBDV	0.1	< MRL	< MRL		
CBG	0.1	0.42	4.20		
CBGa	0.1	0.73	7.30		
Δ8-THC	0.1	< MRL	< MRL		
THCV	0.1	< MRL	< MRL		
CBC	0.1	< MRL	< MRL		
Total Cannabinoids		28.03	280.30		
Total THC (THCa*0.877) + Δ9-THC		23.60	236.05		
Total CBD (CBGa*0.877) + CBD		0.00	0.00		
Total CBG (CBGa*0.878) + CBG		1.06	10.61		

Methods: SOP-0025-GA, SOP-072-GA

Instrument: HPLC-FCO

Cannabinoids

Legend: CBD, CBDa, CBN, Δ9-THC, THCa, CBDV, CBG

Pesticides

PASS

Mycotoxins

PASS

Heavy Metals

PASS

Microbials

PASS

Water Activity

0.26 Aw

PASS

Solvents

Not Tested

Moisture Content

9.51 %

PASS

Foreign Matter

PASS

Vitamin E Acetate

Not Tested

Total

2.52

GSC

Methods: SOP-063-GA, SOP-089-GA

Instrument: 2020

DFasolati

Doreme Fasolati
Lab Director, Best Weed Lab, LLC.
123 Saint St
Trenton, NJ 08608

1/23/2025

Results pertain to samples received according to sampling procedures in SOP-061-ND and relate only to items tested. All testing activities (except sampling) took place at the laboratory address listed on the transfer manifest.
Action limits set according to the New Jersey Regulatory Commission Resolution. Where statements of conformity are made ("pass" vs. "fail"), the simple acceptance decision rule is applied. The measurement uncertainty associated with each test method may impact the certainty with a statement of conformity is made. This is a simplified report; however, measurement uncertainty and limit of detection values are available upon request.

*MRL = Minimum Reporting Limit. †Dry-weight potency

TERMS TO KNOW



Cannabinoids are any variety of naturally occurring, biologically active chemical constituents of the cannabis plant.



Terpenes are naturally occurring chemical compounds responsible for giving the plant its distinct taste and smell.



Tetrahydrocannabinol or “**THC**” is the psychoactive compound in the cannabis plant that causes impairment; the feeling of being “high”.



Mycotoxins are toxic secondary metabolites produced by fungi or mold.



Tetrahydrocannabinol Acid or “**THCA**” is the acid precursor of Delta-9 Tetrahydrocannabinol (Delta-9 THC)



Microbials or **microorganisms** are tiny potentially harmful microscopic organisms that can grow in cannabis products. They include viruses, fungi, and protozoa that are too small to be seen by the naked eye.



Cannabidiol or “**CBD**” is the non-psychoactive compound found in the cannabis plant that is not impairing; it does not cause a “high” feeling.



Heavy Metals are toxic elements that can be absorbed in the soil such as lead, mercury, arsenic, and chromium.



Cannabidiolic Acid or “**CBDA**” is an acidic cannabinoid that requires decarboxylation to make CBD.



Cannabigerol or “**CBG**” is a non-psychoactive cannabinoid and minor component of cannabis.



Cannabinol or “**CBN**” is a crystalline, mildly psychoactive cannabinoid



Cannabigerolic Acid or “**CBGA**” is the acidic form of cannabigerol. It is a dihydroxybenzoic acid and olivetolic acid in which the hydrogen at position 3 is substituted by a geranyl group.

KEY SECTIONS

Cannabis Dispensary

2123 Weed Way, Trenton, NJ 08608

Licensee Permit #: CRC012345

Item Name: WEED Hybrid:Snack Pack- Sample

Quantity Sampled - 28g

METRC ID: XMPLD000000012347

Source Package ID: XMPLSOURCE123456789

Batch ID: XMPL1234.5678

Sample Collected: 2/10/2025

Sample Received: 2/20/2025

Cannabinoids*

Analyte	MRL	Date Tested	Unit
	%	% (w/w)	mg/g
CBD	0.1	< MRL	< MRL
CBDa	0.1	< MRL	< MRL
CBN	0.1	< MRL	< MRL
Δ9-THC	0.1	0.25	2.50
THCa	0.1	26.63	266.30
CBDV	0.1	< MRL	< MRL
CBG	0.1	0.42	4.20
CBGa	0.1	0.73	7.30
Δ8-THC	0.1	< MRL	< MRL
THCV	0.1	< MRL	< MRL
CBC	0.1	< MRL	< MRL

Total Cannabinoids 28.03 280.30

Total THC (THCa*0.877) + Δ9-THC 23.60 236.05

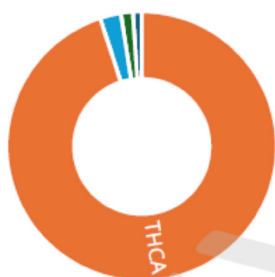
Total CBD (CBDA*0.877) + CBD 0.00 0.00

Total CBG (CBGa*0.878) + CBG 1.06 10.61

Methods: SOP-025-GA, SOP-073-GA

Instrument: HPLC-PDA

Cannabinoids



CBD CBDA CBN THC THCa CBDV CBG
 CBGa Δ8-THC CBC THCV

Product & Sample Information

Product Name & Type

The specific strain or product name (e.g., “Blue Dreamcicle Flower” or “Lemon Zesty Kush Vape Cartridge”).

Batch/Lot Number

A unique identifier assigned to that product batch, allowing it to be traced.

Sampling Date

The date the sample was collected for testing.

Testing Lab

The name and license number of the licensed laboratory that conducted the test.

Cannabinoid Profile

This section shows the concentration of cannabinoids, including:

THC (Delta 9-THC & THCa)

The main psychoactive compounds.

CBD (CBD & CBDA)

The non-psychoactive compound known for potential therapeutic benefits.

Other Cannabinoids

May include CBG, CBC, CBN, and others that contribute to the entourage effect.

Why it matters

Potency levels determine the product’s strength and effects – important to know to make safe-use decisions.

KEY SECTIONS

Terpene Profile (Optional, but important for aroma & effects)

Terpenes are aromatic compounds that contribute to the smell, taste, and effects of cannabis. Common terpenes and scents and effects reported by some cannabis users:

Myrcene

Sedative, relaxing.

Limonene

Uplifting, citrus-scented.

Pinene

Alertness, piney scent.

Caryophyllene

Spicy, may have anti-inflammatory properties.

Why it matters

Helps consumers choose products based on potential effects beyond just THC and other cannabinoid levels.

Terpenes Analyte	Date Tested		2/23/2025
	MRL*	Unit	Unit
	%	%	mg/g
alpha-Pinene	0.01	0.05	0.5
Camphene	0.01	< MRL	< MRL
Sabinene	0.01	< MRL	< MRL
beta-Pinene	0.01	0.06	0.6
beta-Myrcene	0.05	0.44	4.4
Carene	0.01	< MRL	< MRL
alpha-Terpinene	0.01	< MRL	< MRL
Limonene	0.10	0.34	3.4
Eucalyptol	0.01	< MRL	< MRL
Ocimene	0.10	< MRL	< MRL
gamma-Terpinene	0.01	< MRL	< MRL
Sabinene hydrate	0.01	< MRL	< MRL
Terpinolene	0.01	< MRL	< MRL
Fenchone	0.01	< MRL	< MRL
Linalool	0.05	0.15	1.5
Fenchol	0.01	0.05	0.5
Isopulegol	0.01	< MRL	< MRL
Camphor	0.01	< MRL	< MRL
Isoborneol	0.01	< MRL	< MRL
Borneol	0.02	0.02	0.2
Menthol	0.01	< MRL	< MRL
Terpineol	0.05	0.05	0.5
Nerol	0.10	< MRL	< MRL
Pulegone	0.05	< MRL	< MRL
Geraniol	0.20	< MRL	< MRL
Geraniol acetate	0.20	< MRL	< MRL
beta-Caryophyllene	0.01	1.01	10.1
alpha-Humulene	0.01	0.22	2.2
Valencene	0.01	< MRL	< MRL
cis-Nerolidol	0.05	< MRL	< MRL
trans-Nerolidol	0.10	< MRL	< MRL
Caryophyllene oxide	0.01	0.02	0.2
Guaiol	0.01	< MRL	< MRL
Cedrol	0.01	< MRL	< MRL
beta-Eudesmol	0.01	< MRL	< MRL
alpha-Bisabolol	0.05	0.11	1.1
Total		2.52	25.2

Methods: SOP-063-GA, SOP-069-GA

Instrument: GCMS

KEY SECTIONS

Microbials		Date Tested	2/20/2025
Analyte	Limit	Unit	Status
	CFU/g	CFU/g	
Total Yeast and Mold Count	100000	0	PASS
Total Aerobic Microbial Count	100000	0	PASS
Total Coliforms	10	Not Tested	
E.coli	1	Absence	PASS
STEC	Absence	Not Tested	
Salmonella	Absence	Absence	PASS
L. monocytogenes	Absence	Not Tested	

Methods: SOP-7123-MD; SOP-8123-GA; SOP-712-GA; Instrument: Plating/qPCR

Heavy Metals			Date Tested	2/21/2025
Analyte	Limit	MRL	Unit	Status
	ppm	ppm	ppm	
Arsenic	0.4	0.10	< MRL	PASS
Cadmium	0.4	0.10	< MRL	PASS
Chromium	0.6	0.15	< MRL	PASS
Mercury	0.2	0.05	< MRL	PASS
Lead	1.0	0.25	< MRL	PASS
Methods: SOP-061-GA, SOP-072-GA			Instrument: ICP-MS	

Pesticides		Date Tested	2/21/2025	
Analyte	Limit	MRL	Unit	Status
	ppm	ppm	ppm	
Daminozide	1.00	0.01	< MRL	PASS
Ethephon	1.00	0.04	< MRL	PASS
Oxamyl	1.00	0.01	< MRL	PASS
Flonicamid	1.00	0.01	< MRL	PASS
Methomyl	0.40	0.01	< MRL	PASS
Thiamethoxam	0.20	0.01	< MRL	PASS
Imidacloprid	0.40	0.01	< MRL	PASS
Dimethoate	0.20	0.01	< MRL	PASS
Acetamiprid	0.20	0.01	< MRL	PASS
Thiacloprid	0.20	0.01	< MRL	PASS
Aldicarb	0.40	0.01	< MRL	PASS
Dichlorvos	0.10	0.01	< MRL	PASS

Residual Solvents				
Analyte	Limit	MRL	Unit	Status
	ppm	ppm	ppm	
Propane	5000	43.4	Not Tested	
n-Butane	5000	94.0	Not Tested	
ethanol	5000	535.0	Not Tested	
hexanes	290	63.3	Not Tested	
benzene	2	0.4	Not Tested	
n-Heptane	5000	540.0	Not Tested	
toluene	890	190.0	Not Tested	
total xylenes	2170	1936.0	Not Tested	

Methods: SOP-010-GA; SOP-067-GA; Instrument: GC-MS-MS

Contaminant Testing (Safety & Compliance)

This section ensures the product meets NJ-CRC safety standards by testing harmful substances.

Microbial Contaminants (Mold, Bacteria, Yeast)

- Tests for E. coli, Salmonella, Aspergillus, and other harmful microbes.
- Status: Should say "PASS" if safe for consumption.

Heavy Metals

- Checks for lead, mercury, cadmium, and arsenic at safe levels.
- Status: Should say "PASS" if below NJ-CRC limits.

Pesticides

- Ensures no illegal pesticide residues remain.
- Status: Should say "PASS" to confirm safety.

Residual Solvents (For Extracts & Vapes)

- For concentrates, checks for butane, ethanol, acetone, and other solvents used in extraction.
- Status: Should say "PASS" to confirm compliance.

Why it matters

Protects consumers from harmful contamination in cannabis products.

KEY SECTIONS

Water Activity		Date Tested	2/20/2025
Analyte	Limit	Unit	Status
Water Activity	Aw	Aw	
	0.65	0.26	PASS
Methods: SOP-059-GA		Instrument: Water activity analyzer or meter	

Moisture Content		Date Tested	2/20/2025
Analyte	Limit	Unit	Status
Moisture Content	%	%	
	N/A	9.51	PASS
Methods: SOP-077-GA		Instrument: Moisture analyzer	

Moisture Content & Water Activity (For Flower Products)

Moisture content

Ensures proper curing and storage.

Water activity (aW)

Prevents mold growth and ensures product longevity.

Status

Should be within safe limits to prevent mold and degradation.

Why it matters

Too much moisture can lead to mold and bacteria, and too little can dry out the product, affecting potency, taste, and overall quality.

Mycotoxins & Foreign Materials

Tests for toxins from mold/fungus that could be harmful. Checks for physical contaminants like dirt, glass, or hair.

Status

Should say "PASS" for consumer safety.

Why it matters

It ensures the product is free from dangerous toxins and physical contaminants that could cause health issues and injury.

Mycotoxins		Date Tested	2/21/2025	
Analyte	Limit	MRL	Unit	Status
	ppb	ppb	ppb	
Aflatoxin B1	20	2.9	< MRL	PASS
Aflatoxin B2	20	0.9	< MRL	PASS
Aflatoxin G1	20	2.9	< MRL	PASS
Aflatoxin G2	20	0.9	< MRL	PASS
Ochratoxin	20	1.2	< MRL	PASS
Methods: SOP-062-GA; SOP-070-GA			Instrument: LC-MS/MS	

Foreign Matter		Date Tested	2/20/2025
Analyte	Limit	Unit	Status
Foreign Matter	%	%	
	30	0.00	PASS



The Certificate of Analysis (CoA) indicates if a cannabis product complies with the New Jersey Cannabis Regulatory Commission's interim testing guidelines, which establish standards for product safety and quality. Scan the QR code or visit njcrgov.info/testing to view the complete interim testing guideline.

Accidental or Overconsumption of Cannabis

If you think you or someone else may have cannabis poisoning or toxicity, call the New Jersey Poison Center at **1-800-222-1222** or chat/text at www.njpies.org to connect with a healthcare professional.

If the person is unconscious or unresponsive, call **911**.

