botanacor

CERTIFICATE OF ANALYSIS

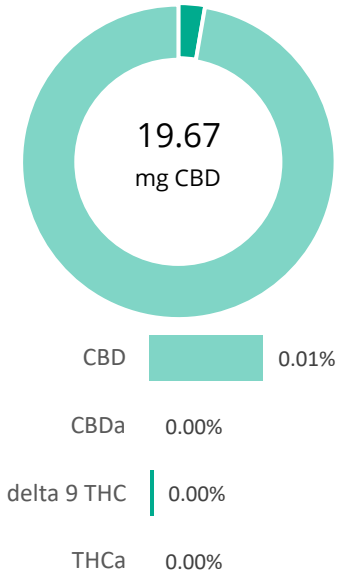
prepared for: Beak and Skiff Research

4473 Cherry Valley Tpke
Lafayette, NY 13084

CBD Nitro Cold Brew Coffee 20mg

Batch ID:	20221	**Test ID:**	T000153227
Type:	Unit	**Submitted:**	07/22/2021 @ 11:36 AM
Test:	Potency	**Started:**	7/22/2021
Method:	TM14 (HPLC-DAD)	**Reported:**	7/22/2021

CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.44	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.50	0.55	0.0
Cannabidiolic acid (CBDA)	0.40	ND	ND
Cannabidiol (CBD)	0.39	19.67	0.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.55	ND	ND
Cannabinolic Acid (CBNA)	0.32	ND	ND
Cannabinol (CBN)	0.14	ND	ND
Cannabigerolic acid (CBGA)	0.46	ND	ND
Cannabigerol (CBG)	0.11	0.27	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.39	ND	ND
Tetrahydrocannabivarin (THCV)	0.10	ND	ND
Cannabidivarinic Acid (CBDVA)	0.17	ND	ND
Cannabidivarin (CBDV)	0.09	ND	ND
Cannabichromenic Acid (CBCA)	0.18	ND	ND
Cannabichromene (CBC)	0.19	0.34	0.0
Total Cannabinoids		**20.83**	**0.1**
Total Potential THC**		0.55	0.0
Total Potential CBD**		19.67	0.1

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)
* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.
** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.
Total THC = THC + (THCa *(0.877)) and
Total CBD = CBD + (CBDa *(0.877))
ND = None Detected (Defined by Dynamic Range of the method)

NOTES:
# of Servings = 1, Sample Weight=365g

FINAL APPROVAL

Daniel Weidensaul
22-Jul-2021
3:38 PM
PREPARED BY / DATE

Karen Winternheime
22-Jul-2021
3:39 PM
APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02

Certificate #4329.02

Botanacor Laboratories™, All Rights Reserved | 1301 S Jason St Unit K, Denver, CO 80223 | 888.800.8223 | www.botanacor.com

botanacor

CERTIFICATE OF ANALYSIS

prepared for: Beak and Skiff Research

4473 Cherry Valley Tpke
Lafayette, NY 13084

CBD Nitro Cold Brew Coffee 20mg

Batch ID:	20221	**Test ID:**	T000153228
Type:	Concentrate	**Submitted:**	07/22/2021 @ 11:36 AM
Test:	Pesticides	**Started:**	7/26/2021
Method:	TM17 (UHPLC-QQQ LC MS/MS)	**Reported:**	7/28/2021

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	44 - 2472	ND*
Acetamiprid	43 - 2472	ND*
Abamectin	>270	ND*
Azoxystrobin	43 - 2472	ND*
Bifenazate	41 - 2472	ND*
Boscalid	43 - 2472	ND*
Carbaryl	42 - 2472	ND*
Carbofuran	45 - 2472	ND*
Chlorantraniliprole	53 - 2472	ND*
Chlorpyrifos	46 - 2472	ND*
Clofentezine	288 - 2472	ND*
Diazinon	293 - 2472	ND*
Dichlorvos	>249	ND*
Dimethoate	42 - 2472	ND*
E-Fenpyroximate	340 - 2472	ND*
Etofenprox	42 - 2472	ND*
Etoxazole	314 - 2472	ND*
Fenoxycarb	>43	ND*
Fipronil	51 - 2472	ND*
Flonicamid	44 - 2472	ND*
Fludioxonil	>289	ND*
Hexythiazox	38 - 2472	ND*
Imazalil	276 - 2472	ND*
Imidacloprid	45 - 2472	ND*
Kresoxim-methyl	46 - 2472	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	298 - 2472	ND*
Metalaxyl	41 - 2472	ND*
Methiocarb	41 - 2472	ND*
Methomyl	43 - 2472	ND*
MGK 264 1	169 - 2472	ND*
MGK 264 2	121 - 2472	ND*
Myclobutanil	46 - 2472	ND*
Naled	46 - 2472	ND*
Oxamyl	39 - 2472	ND*
Paclobutrazol	45 - 2472	ND*
Permethrin	283 - 2472	ND*
Phosmet	42 - 2472	ND*
Prophos	262 - 2472	ND*
Propoxur	44 - 2472	ND*
Pyridaben	321 - 2472	ND*
Spinosad A	30 - 2472	ND*
Spinosad D	83 - 2472	ND*
Spiromesifen	>286	ND*
Spirotetramat	>320	ND*
Spiroxamine 1	18 - 2472	ND*
Spiroxamine 2	23 - 2472	ND*
Tebuconazole	326 - 2472	ND*
Thiacloprid	42 - 2472	ND*
Thiamethoxam	43 - 2472	ND*
Trifloxystrobin	43 - 2472	ND*

* ND = None Detected (Defined by Dynamic Range of the method)

N/A

FINAL APPROVAL

Taylor Brevik
28-Jul-2021
9:34 AM

PREPARED BY / DATE

Sam Smith
28-Jul-2021
9:37 AM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.

ilac-MRA A2LA ACCREDITED
Certificate #4329.02

botanacor

CERTIFICATE OF ANALYSIS

Prepared for:

CBD Nitro Cold Brew Coffee 20mg

Beak and Skiff Research

Batch ID or Lot Number:	Test:	Reported:	Location:
20221	**Metals**	**7/23/21**	4473 Cherry Valley Tpke Lafayette, NY 13084

Matrix:	Test ID:	Started:	USDA License:
Unit	T000153230	7/22/21	N/A

Status:	Method:	Received:	Sampler ID:
N/A	TM19 (ICP-MS): Heavy Metals	07/22/2021 @ 11:36 AM	N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)
Arsenic	0.051 - 5.11	ND
Cadmium	0.044 - 4.45	ND
Mercury	0.044 - 4.39	ND
Lead	0.043 - 4.34	ND

Notes

Ryan Weems
23-Jul-21
2:53 PM
PREPARED BY / DATE

Daniel Weidensaul
23-Jul-21
2:55 PM
APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.

ilac-MRA A2LA ACCREDITED
Certificate #4329.02

botanacor

CERTIFICATE OF ANALYSIS

prepared for: BEAK AND SKIFF RESEARCH
4473 CHERRY VALLEY TPKE
LAFAYETTE, NY 13084

CBD Nitro Cold Brew Coffee 20mg

Batch ID:	20221	**Test ID:**	T000153229
Matrix:	Finished Product	**Received:**	07/22/2021 @ 11:36 AM
Test:	Microbial Contaminants	**Started:**	7/22/2021
Method:	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	**Reported:**	7/26/2021

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	LLOQ	ULOQ	Result
Total Aerobic Count*	TM-26 Culture Plating	10^2 CFU/g	10^3 CFU/g	1.5x10^5 CFU/g	**7.2x10^3 CFU/g**
Total Coliforms*	TM-27 Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	**None Detected**
Total Yeast and Molds*	TM-24 Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	**<LLOQ**
E. coli	TM-28 Culture Plating	1 CFU/g	NA	NA	**Absent**
***E. coli* (STEC)**	TM-25 PCR	1 CFU/g	NA	NA	**Absent**
Salmonella	TM-25 PCR	1 CFU/g	NA	NA	**Absent**

** Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.*
Examples: 10^2 = 100 CFU
10^3 = 1,000 CFU
10^4 = 10,000 CFU
10^5 = 100,000 CFU

NOTES:
Free from visual mold, mildew, and foreign matter

DEFINITIONS:
CFU/g = Colony Forming Units per Gram.
LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation
LLOQ = Lower Limit of Quantitation

FINAL APPROVAL

Robert Belfon
26-Jul-2021
2:39 PM
PREPARED BY / DATE

Sarah Henning
26-Jul-2021
4:30 PM
APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.03. Testing associated with this certificate of analysis performed by an external ISO17025 accredited provider.

ilac-MRA A2LA ACCREDITED
Certificate #4329.03