

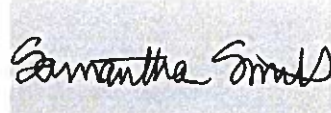
CERTIFICATE OF ANALYSIS

Prepared for:
NuLeaf Naturals LLC1550 Larimer St. Ste 964
Denver, CO USA 80202**Delta-9 THC Gummy (Black Cherry)**

Batch ID or Lot Number: 343F306-0575, -0477, -0478	Test: Potency	Reported: 23Oct2023	USDA License: N/A
Matrix: Unit	Test ID: T000259421	Started: 23Oct2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 20Oct2023	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.300	1.008	ND	ND	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.275	0.922	ND	ND	
Cannabidiol (CBD)	0.818	2.733	3.120	0.80	
Cannabidiolic Acid (CBDA)	0.839	2.803	ND	ND	
Cannabidivarin (CBDV)	0.194	0.646	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.350	1.169	ND	ND	
Cannabigerol (CBG)	0.170	0.572	ND	ND	
Cannabigerolic Acid (CBGA)	0.713	2.391	ND	ND	
Cannabinol (CBN)	0.222	0.746	ND	ND	
Cannabinolic Acid (CBNA)	0.486	1.632	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.849	2.849	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.771	2.588	5.350	1.30	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.683	2.293	ND	ND	
Tetrahydrocannabivarin (THCV)	0.155	0.520	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.603	2.022	ND	ND	
Total Cannabinoids			8.470	2.10	
Total Potential THC			5.350	1.30	
Total Potential CBD			3.120	0.80	

Final Approval
Samantha Smith
23Oct2023
03:05:00 PM MDT
PREPARED BY / DATE
Karen Winternheimer
23Oct2023
03:11:00 PM MDT
APPROVED BY / DATEKaren Winternheimer
23Oct2023
03:11:00 PM MDT<https://results.botanacor.com/api/v1/coas/uuid/2b84f43c-205b-42a1-88a2-6aa552aa1978>**Definitions**

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).

Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa * (0.877)) and Total CBD = CBD + (CBDA * (0.877)).

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NuLeaf Naturals LLC

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Denver, CO USA 80202

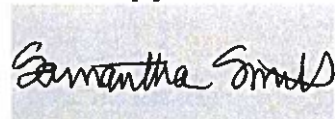
Delta-9 THC Gummy (Black Cherry)

Batch ID or Lot Number: 343F306-0575, -0477, -0478	Test: Heavy Metals	Reported: 31Oct2023	USDA License: NA
Matrix: Finished Product	Test ID: T000260121	Started: 31Oct2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 27Oct2023	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.53	ND	
Cadmium	0.04 - 4.49	ND	
Mercury	0.05 - 4.67	ND	
Lead	0.05 - 4.66	ND	

Final Approval



Sam Smith
31Oct2023
12:59:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
31Oct2023
01:03:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/8c1a695f-4693-4742-85e3-cb049eea9789>

Definitions

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

CERTIFICATE OF ANALYSIS

Prepared for:
NuLeaf Naturals LLC

1550 Larimer St. Ste 964
Denver, CO USA 80202

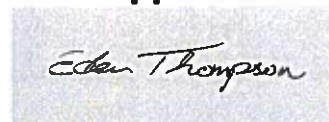
Delta-9 THC Gummy (Black Cherry)

Batch ID or Lot Number: 343F306-0575, -0477, -0478	Test: Microbial Contaminants	Reported: 30Oct2023	USDA License: NA
Matrix: Finished Product	Test ID: T000260120	Started: 27Oct2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 27Oct2023	Status: NA

Microbial Contaminants

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval



Eden Thompson-Wright
30Oct2023
01:27:00 PM MDT

PREPARED BY / DATE



Brianne Maillot
30Oct2023
02:04:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/72434061-2d99-41a7-8625-8f1aba6767dc>

Definitions

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

CERTIFICATE OF ANALYSIS

Prepared for:
NuLeaf Naturals LLC

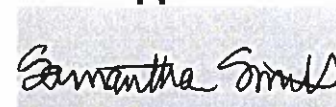
1550 Larimer St. Ste 964
Denver, CO USA 80202

Delta-9 THC Gummy (Black Cherry)

Batch ID or Lot Number: 343F306-0575, -0477, -0478	Test: Pesticides	Reported: 06Nov2023	USDA License: NA
Matrix: Finished Product	Test ID: T000260119	Started: 03Nov2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 27Oct2023	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)
Abamectin	323 - 2856	ND	Malathion	288 - 2644	ND
Acephate	43 - 2689	ND	Metalaxyl	42 - 2661	ND
Acetamiprid	42 - 2679	ND	Methiocarb	46 - 2675	ND
Azoxystrobin	44 - 2663	ND	Methomyl	43 - 2708	ND
Bifenazate	44 - 2666	ND	MGK 264 1	158 - 1606	ND
Boscalid	42 - 2654	ND	MGK 264 2	108 - 1083	ND
Carbaryl	41 - 2678	ND	Myclobutanil	51 - 2691	ND
Carbofuran	47 - 2640	ND	Naled	44 - 2648	ND
Chlorantraniliprole	43 - 2675	ND	Oxamyl	44 - 2722	ND
Chlorpyrifos	42 - 2748	ND	Paclobutrazol	44 - 2667	ND
Clofentezine	269 - 2680	ND	Permethrin	293 - 2776	ND
Diazinon	272 - 2675	ND	Phosmet	45 - 2545	ND
Dichlorvos	258 - 2738	ND	Prophos	280 - 2684	ND
Dimethoate	43 - 2617	ND	Propoxur	45 - 2661	ND
E-Fenpyroximate	282 - 2766	ND	Pyridaben	292 - 2733	ND
Etofenprox	45 - 2792	ND	Spinosad A	33 - 2080	ND
Etoxazole	281 - 2669	ND	Spinosad D	62 - 673	ND
Fenoxycarb	42 - 2699	ND	Spiromesifen	265 - 2742	ND
Flipronil	30 - 2741	ND	Spirotetramat	284 - 2702	ND
Flonicamid	50 - 2736	ND	Spiroxamine 1	17 - 998	ND
Fludioxonil	285 - 2644	ND	Spiroxamine 2	27 - 1557	ND
Hexythiazox	43 - 2789	ND	Tebuconazole	279 - 2638	ND
Imazalil	265 - 2708	ND	Thiacloprid	43 - 2700	ND
Imidacloprid	46 - 2726	ND	Thiamethoxam	42 - 2694	ND
Kresoxim-methyl	44 - 2675	ND	Trifloxystrobin	48 - 2684	ND

Final Approval


Samantha Smith
06Nov2023
07:06:00 AM MST

PREPARED BY / DATE


Karen Winternheimer
06Nov2023
07:14:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coins/uid/123c4647-22ca-47b2-840c-0d810ac8680d>

Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

CERTIFICATE OF ANALYSIS

Prepared for:
NuLeaf Naturals LLC

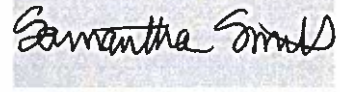
1550 Larimer St. Ste 964
Denver, CO USA 80202

Delta-9 THC Gummy (Black Cherry)

Batch ID or Lot Number: 343F306-0575, -0477, -0478	Test: Mycotoxins	Reported: 08Nov2023	USDA License: N/A
Matrix: Finished Product	Test ID: T000260123	Started: 06Nov2023	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 27Oct2023	Status: Active

Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.97 - 123.20	ND	N/A
Aflatoxin B1	0.86 - 32.27	ND	
Aflatoxin B2	2.12 - 31.97	ND	
Aflatoxin G1	0.92 - 32.03	ND	
Aflatoxin G2	1.11 - 32.12	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Sam Smith
08Nov2023
10:06:00 AM MST
PREPARED BY / DATE


Karen Winternheimer
08Nov2023
10:19:00 AM MST
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/1889cb1c-15b7-4d84-ac06-7fd2deac3c72>

Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

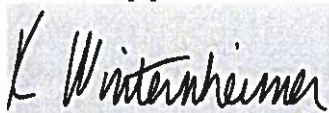
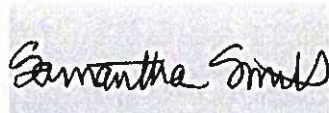
CERTIFICATE OF ANALYSIS

Prepared for:

NuLeaf Naturals LLC1550 Larimer St. Ste 964
Denver, CO USA 80202**Delta-9 THC Gummy (Black Cherry)**

Batch ID or Lot Number: 343F306-0575, -0477, -0478	Test: Residual Solvents	Reported: 31Oct2023	USDA License: N/A
Matrix: Finished Product	Test ID: T000260122	Started: 29Oct2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 27Oct2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	94 - 1876	ND	
Butanes (Isobutane, n-Butane)	184 - 3688	ND	
Methanol	62 - 1247	ND	
Pentane	96 - 1918	ND	
Ethanol	100 - 1991	>1991	
Acetone	99 - 1987	ND	
Isopropyl Alcohol	108 - 2165	ND	
Hexane	6 - 122	ND	
Ethyl Acetate	102 - 2041	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	98 - 1963	ND	
Toluene	18 - 365	ND	
Xylenes (m,p,o-Xylenes)	134 - 2670	ND	

Final ApprovalKaren Winternheimer
31Oct2023
09:08:00 AM MDTSam Smith
31Oct2023
09:10:00 AM MDT

PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/apl/v1/coas/uuid/86149b60-7d0c-4eae-9355-e93fdbef8160>**Definitions**

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range