

Prepared for:  
**NuLeaf Naturals LLC**

1550 Larimer St. Ste 964  
Denver, CO USA 80202

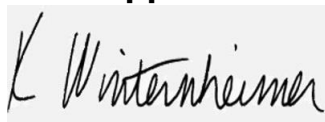
**Full Spectrum Mixed Berry Gummies**

Batch ID or Lot Number: <b>420F306-0356</b>	Test: <b>Potency</b>	Reported: <b>13Jun2024</b>	USDA License: N/A
Matrix: Unit	Test ID: T000283518	Started: 12Jun2024	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 10Jun2024	Status: N/A

**Cannabinoids**

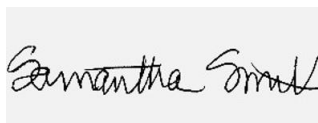
	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.284	0.989	ND	ND	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.260	0.904	ND	ND	
Cannabidiol (CBD)	0.984	2.659	18.730	4.70	
Cannabidiolic Acid (CBDA)	1.009	2.727	ND	ND	
Cannabidivarin (CBDV)	0.233	0.629	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.421	1.138	ND	ND	
Cannabigerol (CBG)	0.161	0.561	3.790	0.90	
Cannabigerolic Acid (CBGA)	0.675	2.347	ND	ND	
Cannabinol (CBN)	0.211	0.732	5.920	1.50	
Cannabinolic Acid (CBNA)	0.460	1.601	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.804	2.796	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.730	2.539	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.647	2.250	ND	ND	
Tetrahydrocannabivarin (THCV)	0.147	0.511	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.571	1.984	ND	ND	
<b>Total Cannabinoids</b>			<b>28.440</b>	<b>7.10</b>	
Total Potential THC			ND	ND	
Total Potential CBD			18.730	4.70	

**Final Approval**



Karen Winternheimer  
13Jun2024  
01:54:00 PM MDT

PREPARED BY / DATE



Sam Smith  
13Jun2024  
01:56:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/f78dba73-a40d-42f3-bca1-eb714d62db0>

**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)).

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

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1550 Larimer St. Ste 964  
Denver, CO USA 80202

## Full Spectrum Mixed Berry Gummies


Batch ID or Lot Number: <b>420F306-0356</b>	Test: <b>Pesticides</b>	Reported: <b>27Jun2024</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000284756	Started: 26Jun2024	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 24Jun2024	Status: NA

### Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	492 - 2782	ND
Acephate	39 - 2737	ND
Acetamiprid	39 - 2709	ND
Azoxystrobin	45 - 2727	ND
Bifenazate	45 - 2708	ND
Boscalid	39 - 2717	ND
Carbaryl	38 - 2731	ND
Carbofuran	42 - 2702	ND
Chlorantraniliprole	38 - 2717	ND
Chlorpyrifos	25 - 2744	ND
Clofentezine	278 - 2710	ND
Diazinon	278 - 2746	ND
Dichlorvos	264 - 2725	ND
Dimethoate	41 - 2726	ND
E-Fenpyroximate	260 - 2843	ND
Etofenprox	36 - 2769	ND
Etoxazole	254 - 2755	ND
Fenoxycarb	42 - 2737	ND
Fipronil	37 - 2764	ND
Flonicamid	45 - 2733	ND
Fludioxonil	268 - 2689	ND
Hexythiazox	34 - 2828	ND
Imazalil	284 - 2776	ND
Imidacloprid	43 - 2744	ND
Kresoxim-methyl	46 - 2757	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	289 - 2740	ND
Metalaxyl	43 - 2742	ND
Methiocarb	41 - 2732	ND
Methomyl	42 - 2761	ND
MGK 264 1	65 - 1532	ND
MGK 264 2	97 - 1089	ND
Myclobutanil	40 - 2704	ND
Naled	43 - 2682	ND
Oxamyl	42 - 2764	ND
Paclobutrazol	41 - 2702	ND
Permethrin	263 - 2746	ND
Phosmet	43 - 2608	ND
Prophos	277 - 2740	ND
Propoxur	42 - 2701	ND
Pyridaben	265 - 2838	ND
Spinosad A	30 - 2070	ND
Spinosad D	58 - 687	ND
Spiromesifen	246 - 2837	ND
Spirotetramat	294 - 2758	ND
Spiroxamine 1	15 - 1020	ND
Spiroxamine 2	24 - 1610	ND
Tebuconazole	303 - 2724	ND
Thiacloprid	43 - 2760	ND
Thiamethoxam	37 - 2739	ND
Trifloxystrobin	42 - 2725	ND

### Final Approval



Sam Smith  
27Jun2024  
09:09:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer  
27Jun2024  
09:11:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/9f9a7b8b-3987-47c7-bc9b-296934d79987>

#### 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

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**NuLeaf Naturals LLC**

1550 Larimer St. Ste 964

Denver, CO USA 80202

## Full Spectrum Mixed Berry Gummies

Batch ID or Lot Number: <b>420F306-0356</b>	Test: <b>Heavy Metals</b>	Reported: <b>26Jun2024</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000284758	Started: 25Jun2024	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 24Jun2024	Status: NA

## Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.66	ND	
Cadmium	0.05 - 4.56	ND	
Mercury	0.05 - 4.82	ND	
Lead	0.05 - 4.70	ND	

## Final Approval



Karen Winternheimer

26Jun2024

01:48:00 PM MDT

PREPARED BY / DATE



Sam Smith

26Jun2024

02:00:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/3a24d496-88a6-489f-bbf3-b5e9a53644c7>

### Definitions

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

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

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Prepared for:  
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Denver, CO USA 80202

**Full Spectrum Mixed Berry Gummies**

Batch ID or Lot Number: <b>420F306-0356</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>28Jun2024</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000284757	Started: 25Jun2024	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 24Jun2024	Status: NA

**Microbial**

**Contaminants**

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

**Final Approval**



Brianne Maillot  
28Jun2024  
10:22:00 AM MDT



Brett Hudson  
28Jun2024  
04:13:00 PM MDT



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/4b5e589d-da5d-438e-bd36-b580d87531c4>

**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: 10<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 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

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Denver, CO USA 80202


**Full Spectrum Mixed Berry Gummies**

Batch ID or Lot Number: <b>420F306-0356</b>	Test: <b>Mycotoxins</b>	Reported: <b>28Jun2024</b>	USDA License: N/A
Matrix: Finished Product	Test ID: T000284760	Started: 26Jun2024	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 24Jun2024	Status: Active

<b>Mycotoxins</b>	<b>Dynamic Range (ppb)</b>	<b>Result (ppb)</b>	<b>Notes</b>
Ochratoxin A	1.12 - 131.53	ND	N/A
Aflatoxin B1	1.02 - 33.72	ND	
Aflatoxin B2	1.02 - 33.72	ND	
Aflatoxin G1	1.09 - 33.33	ND	
Aflatoxin G2	1.12 - 33.69	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

**Final Approval**

  
Sam Smith  
28Jun2024  
11:47:00 AM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
28Jun2024  
11:49:00 AM MDT  
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/2057ca2a-9529-4931-929c-22b8e6018779>

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

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2057ca2a95294931929c22b8e6018779.1

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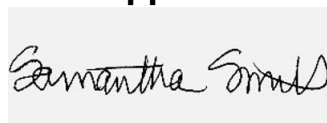
1550 Larimer St. Ste 964  
Denver, CO USA 80202

## Full Spectrum Mixed Berry Gummies

Batch ID or Lot Number: <b>420F306-0356</b>	Test: <b>Residual Solvents</b>	Reported: <b>28Jun2024</b>	USDA License: N/A
Matrix: Finished Product	Test ID: T000284759	Started: 27Jun2024	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 24Jun2024	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	75 - 1499	ND	
Butanes (Isobutane, n-Butane)	150 - 2998	ND	
Methanol	55 - 1096	ND	
Pentane	77 - 1538	ND	
Ethanol	77 - 1534	>1534	
Acetone	87 - 1742	ND	
Isopropyl Alcohol	93 - 1854	ND	
Hexane	5 - 109	ND	
Ethyl Acetate	89 - 1787	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	84 - 1679	ND	
Toluene	16 - 324	ND	
Xylenes (m,p,o-Xylenes)	117 - 2337	ND	

## Final Approval



Sam Smith  
28Jun2024  
11:23:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer  
28Jun2024  
11:25:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/09d12e89-40be-4452-b06c-3cbe80e83cbb>

### Definitions

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

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