

## Batch Labs

2815 S 5th Ct  
Milwaukee, WI 53207  
(262) 364-6940

## Laboratory Number: 2405111-02

Batch #: CD342A  
Sample Received: 5/23/2024; Report Created: 5/30/2024

Original 3000 mg  
Ingestible

### Sample Image



### Terpenes (GCMS-MS) Analyzed: By:

Compound	mg/mL	%
alpha-Bisabolol	NT	NT
(-)-Borneol and (+)-Borneol	NT	NT
Camphene	NT	NT
Camphor	NT	NT
beta-Caryophyllene	NT	NT
trans-Caryophyllene	NT	NT
Caryophyllene Oxide	NT	NT
alpha-Cedrene	NT	NT
Cedrol	NT	NT
Endo-fenchyl Alcohol	NT	NT
Eucalyptol	NT	NT
Fenchone	NT	NT
Geraniol	NT	NT
Geranyl acetate	NT	NT
Guaiol	NT	NT
Hexahydrothymol	NT	NT
alpha-Humulene	NT	NT
Isoborneol	NT	NT
Isopulegol	NT	NT
Limonene	NT	NT
Linalool	NT	NT
p-Mentha-1,5-diene	NT	NT
beta-Myrcene	NT	NT
trans-Nerolidol	NT	NT
Ocimene	NT	NT
alpha-Pinene	NT	NT
beta-Pinene	NT	NT
Pulegone	NT	NT
Sabinene	NT	NT
Sabinene Hydrate	NT	NT
gamma-Terpinene	NT	NT
alpha-Terpinene	NT	NT
3-Carene	NT	NT
Terpineol	NT	NT
Terpinolene	NT	NT
Valencene	NT	NT
Nerol	NT	NT
cis-Nerolidol	NT	NT
<b>Total Terpenes</b>	NT	NT

### Cannabinoid (HPLC) Analyzed: 05/28/24 By: MLC

Compound	LOQ %	mg/mL	mg/unit	%
THC-A	0.00400	ND	ND	ND
delta 9-THC	0.00400	1.8066	54.20	0.18066
delta 8-THC	0.00400	ND	ND	ND
THC-V	0.00400	ND	ND	ND
CBG-A	0.00400	ND	ND	ND
CBD-A	0.00400	ND	ND	ND
CBD	0.19996	94.344	2830.3	9.4344
CBD-V	0.00400	0.5778	17.33	0.05778
CBN	0.00400	0.0988	2.964	0.00988
CBG	0.00400	2.5700	77.10	0.25700
CBC	0.00400	1.2844	38.53	0.12844
delta 8 THC-V	0.00400	ND	ND	ND

1.8066 mg/mL 54.20 mg/unit 0.18066 % <b>Total THC</b>	94.3440 mg/mL 2830.30 mg/unit 9.43440 % <b>Total CBD</b>	100.6800 mg/mL 3020.40 mg/unit 10.06800% <b>Total Cannabinoids</b>
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Total THC = THCa \* 0.877 + delta 9-THC; Total CBD = CBDA \* 0.877 + CBD

52.22 : 1 <b>CBD to THC Ratio</b>	Not Tested <b>Water Activity</b>	Not Tested <b>Moisture</b>
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## Safety

Not Tested <b>Pesticides</b>	Not Tested <b>Microbials</b>	Not Tested <b>Residual Solvents</b>	Not Tested <b>Metals</b>	Not Tested <b>pH</b>
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RL = Reporting Limit  
NA = Not Applicable  
NT = Not Tested  
ND = Non Detected  
LOQ = Limit of Quantification

  
Erin Polly  
Technical Laboratory Director



This product has been tested by Desert Valley Testing using valid testing methodologies. Values reported only relate to the sample as received. Desert Valley Testing makes no claims to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Desert Valley Testing.

Prepared for:

**BATCH**

2815 S 5th Ct  
Milwaukee, WI USA 53207


## BATCH Labs Full Spectrum Distillate

Batch ID or Lot Number: <b>112823-02</b>	Test: <b>Heavy Metals</b>	Reported: <b>06Dec2023</b>	USDA License: NA
Matrix: Concentrate	Test ID: T000263219	Started: 06Dec2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 30Nov2023	Status: NA

### Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.61	ND	
Cadmium	0.05 - 4.52	ND	
Mercury	0.05 - 4.50	ND	
Lead	0.05 - 4.79	ND	

### Final Approval



Sam Smith  
06Dec2023  
02:47:00 PM MST

PREPARED BY / DATE



Karen Winternheimer  
06Dec2023  
02:52:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/d21e685e-7bec-440a-b399-c0bc770f733e>

#### Definitions

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

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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**BATCH**

2815 S 5th Ct  
Milwaukee, WI USA 53207

## BATCH Labs Full Spectrum Distillate


Batch ID or Lot Number: <b>112823-02</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>04Dec2023</b>	USDA License: NA
Matrix: Concentrate	Test ID: T000263218	Started: 01Dec2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 30Nov2023	Status: NA

## Microbial

### Contaminants

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



Eden Thompson-Wright  
04Dec2023  
02:06:00 PM MST

PREPARED BY / DATE



Brianne Maillot  
04Dec2023  
03:16:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/ea332212-9034-4a05-a3d0-dde3e80acf44>

### 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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Cert #4329.02  
ea33221290344a05a3d0dde3e80acf44.1

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## BATCH Labs Full Spectrum Distillate

Batch ID or Lot Number: <b>112823-02</b>	Test: <b>Mycotoxins</b>	Reported: <b>07Dec2023</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000263221	Started: 06Dec2023	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 30Nov2023	Status: Active

Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.79 - 130.16	ND	N/A
Aflatoxin B1	1.03 - 32.83	ND	
Aflatoxin B2	0.93 - 33.28	ND	
Aflatoxin G1	1.03 - 33.15	ND	
Aflatoxin G2	1.09 - 33.73	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

## Final Approval



Karen Winternheimer  
07Dec2023  
12:55:00 PM MST

PREPARED BY / DATE



Sam Smith  
07Dec2023  
12:56:00 PM MST

APPROVED BY / DATE



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### 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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Milwaukee, WI USA 53207


## BATCH Labs Full Spectrum Distillate

Batch ID or Lot Number: <b>112823-02</b>	Test: <b>Pesticides</b>	Reported: <b>08Dec2023</b>	USDA License: NA
Matrix: Concentrate	Test ID: T000263217	Started: 07Dec2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 30Nov2023	Status: NA

### Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	329 - 2679	ND	Malathion	279 - 2664	ND
Acephate	48 - 2797	ND	Metalaxyl	47 - 2702	ND
Acetamiprid	45 - 2749	ND	Methiocarb	49 - 2697	ND
Azoxystrobin	44 - 2707	ND	Methomyl	45 - 2816	ND
Bifenazate	47 - 2673	ND	MGK 264 1	160 - 1609	ND
Boscalid	47 - 2696	ND	MGK 264 2	106 - 1064	ND
Carbaryl	44 - 2731	ND	Myclobutanil	18 - 2637	ND
Carbofuran	43 - 2710	ND	Naled	41 - 2708	ND
Chlorantraniliprole	48 - 2723	ND	Oxamyl	47 - 2800	ND
Chlorpyrifos	21 - 2701	ND	Paclobotrazol	43 - 2733	ND
Clofentezine	256 - 2706	ND	Permethrin	293 - 2660	ND
Diazinon	272 - 2700	ND	Phosmet	41 - 2545	ND
Dichlorvos	288 - 2784	ND	Prophos	304 - 2654	ND
Dimethoate	46 - 2763	ND	Propoxur	42 - 2715	ND
E-Fenpyroximate	290 - 2716	ND	Pyridaben	282 - 2693	ND
Etofenprox	41 - 2674	ND	Spinosad A	29 - 2107	ND
Etoxazole	292 - 2599	ND	Spinosad D	61 - 656	ND
Fenoxycarb	21 - 2706	ND	Spiromesifen	268 - 2623	ND
Fipronil	48 - 2760	ND	Spirotetramat	283 - 2740	ND
Flonicamid	49 - 2803	ND	Spiroxamine 1	16 - 1001	ND
Fludioxonil	316 - 2666	ND	Spiroxamine 2	28 - 1579	ND
Hexythiazox	46 - 2661	ND	Tebuconazole	293 - 2678	ND
Imazalil	265 - 2718	ND	Thiacloprid	46 - 2782	ND
Imidacloprid	48 - 2888	ND	Thiamethoxam	45 - 2802	ND
Kresoxim-methyl	46 - 2702	ND	Trifloxystrobin	42 - 2738	ND

### Final Approval



Karen Winternheimer  
08Dec2023  
10:17:00 AM MST

PREPARED BY / DATE



Sam Smith  
08Dec2023  
10:24:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/53493a2e-592a-4e1d-b400-d74711aa7b41>

#### 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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53493a2e592a4e1db400d74711aa7b41.1

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2815 S 5th Ct  
Milwaukee, WI USA 53207

## BATCH Labs Full Spectrum Distillate

Batch ID or Lot Number: <b>112823-02</b>	Test: <b>Residual Solvents</b>	Reported: <b>06Dec2023</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000263220	Started: 05Dec2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 30Nov2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	87 - 1739	ND	
Butanes (Isobutane, n-Butane)	170 - 3399	ND	
Methanol	58 - 1159	ND	
Pentane	92 - 1846	ND	
Ethanol	96 - 1927	ND	
Acetone	98 - 1964	ND	
Isopropyl Alcohol	109 - 2181	ND	
Hexane	6 - 118	ND	
Ethyl Acetate	100 - 2006	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	96 - 1913	ND	
Toluene	18 - 365	ND	
Xylenes (m,p,o-Xylenes)	134 - 2683	ND	

## Final Approval



Karen Winternheimer  
06Dec2023  
12:42:00 PM MST

PREPARED BY / DATE



Sam Smith  
06Dec2023  
12:44:00 PM MST

APPROVED BY / DATE



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### Definitions

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

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Cert #4329.02

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