

# CERTIFICATE OF ANALYSIS

Prepared for:

**BARDO LABS**

 2566 Pennsylvania Ave  
 Sayre, PA USA 18840

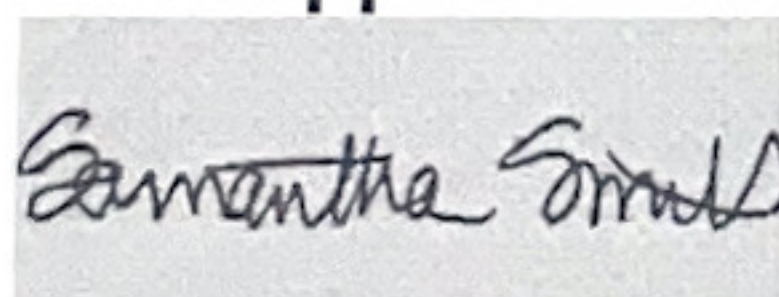
## Full Spectrum Distillate

Batch ID or Lot Number: <b>B11</b>	Test: <b>Potency</b>	Reported: <b>07Oct2022</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000223118	Started: 06Oct2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 04Oct2022	Status: N/A

## Cannabinoids

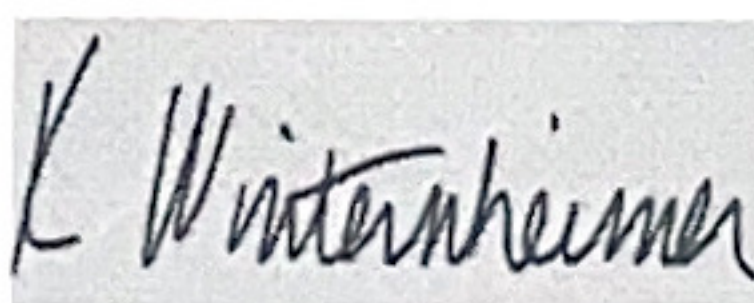
	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.044	0.161	2.610	26.10	
Cannabichromenic Acid (CBCA)	0.040	0.147	ND	ND	
Cannabidiol (CBD)	0.137	0.425	75.000	750.00	
Cannabidiolic Acid (CBDA)	0.141	0.436	ND	ND	
Cannabidivarin (CBDV)	0.032	0.100	0.190	1.90	
Cannabidivarinic Acid (CBDVA)	0.059	0.182	ND	ND	
Cannabigerol (CBG)	0.025	0.091	1.470	14.70	
Cannabigerolic Acid (CBGA)	0.104	0.382	ND	ND	
Cannabinol (CBN)	0.032	0.119	0.470	4.70	
Cannabinolic Acid (CBNA)	0.071	0.260	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.123	0.455	0.160	1.60	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.112	0.413	2.350	23.50	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.099	0.366	ND	ND	
Tetrahydrocannabivarin (THCV)	0.023	0.083	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.088	0.323	ND	ND	
<b>Total Cannabinoids</b>			<b>82.250</b>	<b>822.50</b>	
Total Potential THC			2.350	23.50	
Total Potential CBD			75.000	750.00	

## Final Approval



 Sam Smith  
 07Oct2022  
 03:38:00 PM MDT

PREPARED BY / DATE



 Karen Winterheimer  
 07Oct2022  
 03:42:00 PM MDT

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/eb75259d-1154-4d5c-bb13-b5003a92a62f>

### 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 Accredited by A2LA.


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## CERTIFICATE OF ANALYSIS

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**BARDO LABS**

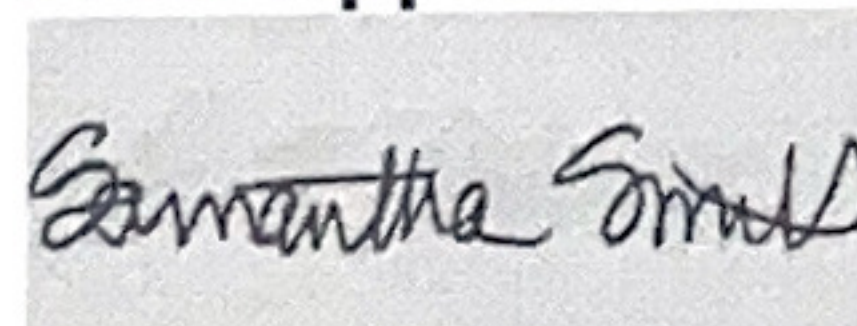
2566 Pennsylvania Ave  
Sayre, PA USA 18840

### Full Spectrum Distillate

Batch ID or Lot Number: <b>B11</b>	Test: <b>Heavy Metals</b>	Reported: <b>10Oct2022</b>	USDA License: NA
Matrix: Unit	Test ID: T000223121	Started: 10Oct2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 04Oct2022	Status: NA

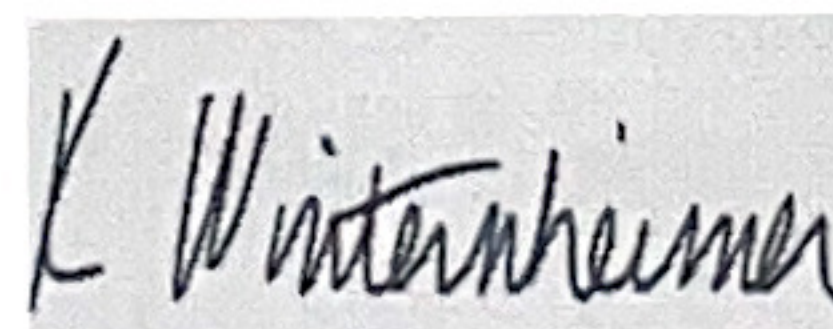
Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.29	ND	
Cadmium	0.05 - 4.58	ND	
Mercury	0.05 - 4.60	ND	
Lead	0.04 - 4.30	ND	

### Final Approval



Sam Smith  
10Oct2022  
04:45:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer  
10Oct2022  
04:52:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/cf520f09-ab5a-4404-9061-112076f3e63e>

#### 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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# CERTIFICATE OF ANALYSIS

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**BARDO LABS**

 2566 Pennsylvania Ave  
 Sayre, PA USA 18840

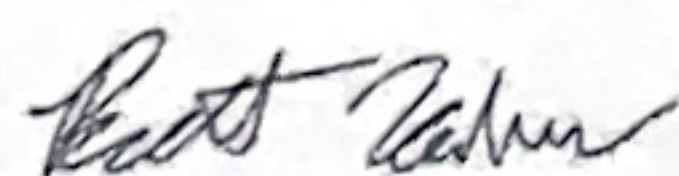
## Full Spectrum Distillate

Batch ID or Lot Number: <b>B11</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>10Oct2022</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000223120	Started: 05Oct2022	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 04Oct2022	Status: NA

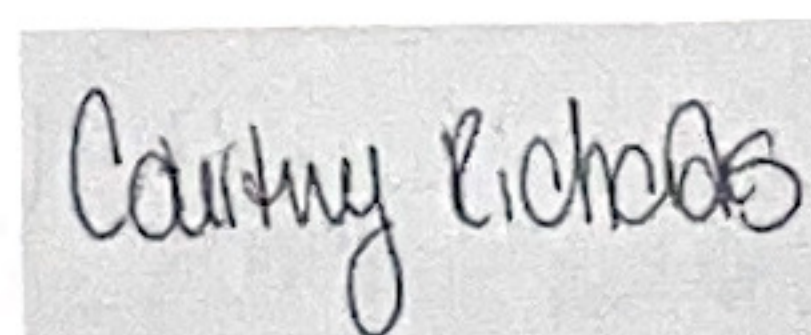
## Microbial

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
Salmonella	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



 Brett Hudson  
 10Oct2022  
 12:11:00 PM MDT



 Courtney Richards  
 10Oct2022  
 04:58:00 PM MDT


PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/171ea795-df00-4174-b356-a50453b3f74b>

### 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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 171ea795df004174b356a50453b3f74b.1



# CERTIFICATE OF ANALYSIS

Prepared for:

**BARDO LABS**

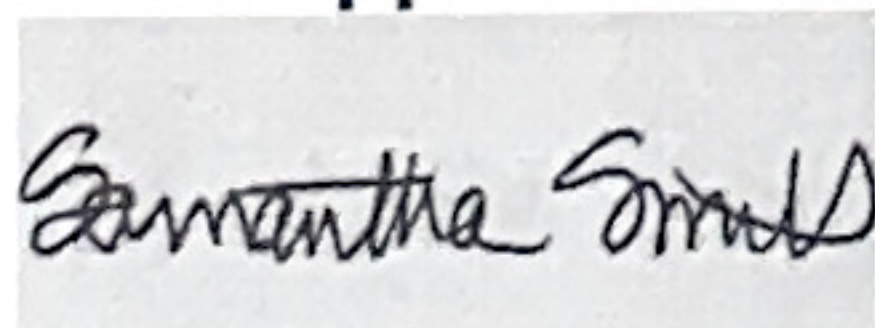
 2566 Pennsylvania Ave  
 Sayre, PA USA 18840

## Full Spectrum Distillate

Batch ID or Lot Number: <b>B11</b>	Test: <b>Pesticides</b>	Reported: <b>09Oct2022</b>	USDA License: NA
Matrix: Concentrate	Test ID: T000223119	Started: 07Oct2022	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 04Oct2022	Status: NA

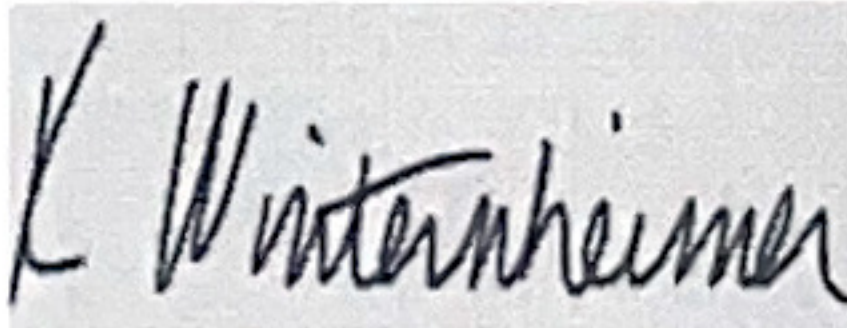
Pesticides	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	343 - 2633	ND		Malathion	287 - 2726	ND
Acephate	40 - 2824	ND		Metalaxyl	44 - 2746	ND
Acetamiprid	42 - 2765	ND		Methiocarb	41 - 2930	ND
Azoxystrobin	50 - 2663	ND		Methomyl	37 - 2798	ND
Bifenazate	46 - 2726	ND		MGK 264 1	194 - 1566	ND
Boscalid	47 - 2837	ND		MGK 264 2	118 - 1126	ND
Carbaryl	41 - 2776	ND		Myclobutanil	47 - 2800	ND
Carbofuran	44 - 2712	ND		Naled	55 - 2715	ND
Chlorantraniliprole	47 - 2847	ND		Oxamyl	41 - 2767	ND
Chlorpyrifos	51 - 2754	ND		Paclobutrazol	47 - 2699	ND
Clofentezine	310 - 2221	ND		Permethrin	308 - 2693	ND
Diazinon	293 - 2768	ND		Phosmet	48 - 2711	ND
Dichlorvos	273 - 2757	ND		Prophos	280 - 2761	ND
Dimethoate	41 - 2727	ND		Propoxur	44 - 2742	ND
E-Fenpyroximate	288 - 2736	ND		Pyridaben	287 - 2748	ND
Etofenprox	49 - 2709	ND		Spinosad A	42 - 2135	ND
Etoazole	291 - 2747	ND		Spinosad D	51 - 488	ND
Fenoxycarb	50 - 2707	ND		Spiromesifen	249 - 2787	ND
Fipronil	73 - 2722	ND		Spirotetramat	296 - 2679	ND
Flonicamid	53 - 2734	ND		Spiroxamine 1	17 - 1222	ND
Fludioxonil	293 - 2884	ND		Spiroxamine 2	23 - 1628	ND
Hexythiazox	42 - 2757	ND		Tebuconazole	292 - 2768	ND
Imazalil	248 - 2765	ND		Thiacloprid	42 - 2739	ND
Imidacloprid	51 - 2858	ND		Thiamethoxam	41 - 2737	ND
Kresoxim-methyl	50 - 2750	ND		Trifloxystrobin	53 - 2624	ND

## Final Approval



 Sam Smith  
 10Oct2022  
 07:15:00 PM MDT

PREPARED BY / DATE



 Karen Winternheimer  
 10Oct2022  
 07:19:00 PM MDT

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/bc994d70-e92c-4425-ba8a-9504b8c531e4>

### 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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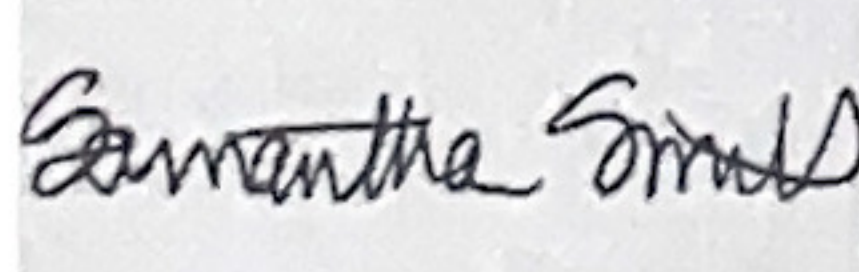
Prepared for:  
**BARDO LABS**  
2566 Pennsylvania Ave  
Sayre, PA USA 18840

## Full Spectrum Distillate

Batch ID or Lot Number: <b>B11</b>	Test: <b>Residual Solvents</b>	Reported: <b>07Oct2022</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000223122	Started: 07Oct2022	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 04Oct2022	Status: Active

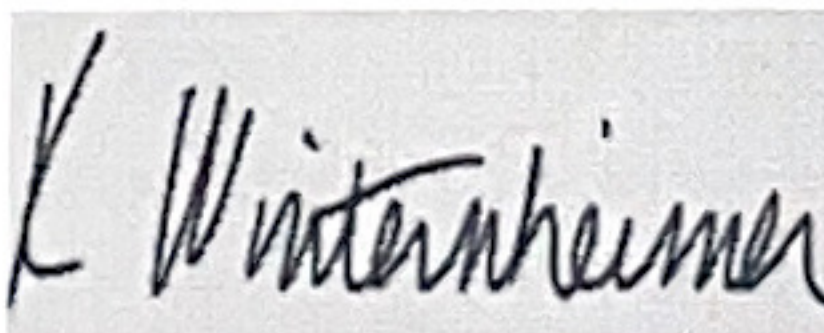
Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	72 - 1449	ND	
Butanes (Isobutane, n-Butane)	152 - 3033	ND	
Methanol	52 - 1034	ND	
Pentane	80 - 1608	ND	
Ethanol	80 - 1607	ND	
Acetone	82 - 1634	ND	
Isopropyl Alcohol	84 - 1679	ND	
Hexane	5 - 98	ND	
Ethyl Acetate	81 - 1618	ND	
Benzene	0.2 - 3.4	ND	
Heptanes	84 - 1681	ND	
Toluene	15 - 298	ND	
Xylenes (m,p,o-Xylenes)	109 - 2188	ND	

## Final Approval



Sam Smith  
07Oct2022  
03:52:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer  
07Oct2022  
03:56:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/408399ad-786a-40e1-92ba-5b5ca61e3a16>

### Definitions

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