

# CERTIFICATE OF ANALYSIS

Prepared for:  
**Natural Dynamics**

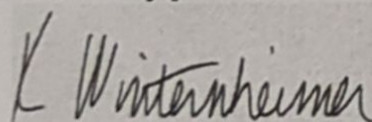
4927 SW 41st Blvd Suite 40-50  
Gainesville, FL USA 32608

**BDT.FSO500.021924**

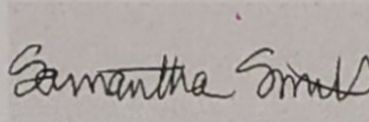
Batch ID or Lot Number: <b>D1182 / B2403</b>	Test: <b>Potency</b>	Reported: <b>22Feb2024</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000271447	Started: 20Feb2024	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis	Received: 19Feb2024	Status: Active

Cannabinoids	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.006	0.021	0.078	0.78	
Cannabichromenic Acid (CBCA)	0.006	0.019	ND	ND	
Cannabidiol (CBD)	0.019	0.055	1.941	19.41	
Cannabidiolic Acid (CBDA)	0.019	0.056	ND	ND	
Cannabidivarin (CBDV)	0.004	0.013	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.008	0.023	ND	ND	
Cannabigerol (CBG)	0.004	0.012	0.107	1.07	
Cannabigerolic Acid (CBGA)	0.015	0.050	ND	ND	
Cannabinol (CBN)	0.005	0.016	ND	ND	
Cannabinolic Acid (CBNA)	0.010	0.034	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.017	0.059	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.016	0.054	0.063	0.63	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.014	0.048	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.012	0.042	ND	ND	
<b>Total Cannabinoids</b>			<b>2.189</b>	<b>21.89</b>	
Total Potential THC			0.063	0.63	
Total Potential CBD			1.941	19.41	

## Final Approval



Karen Winternheimer  
22Feb2024  
10:15:00 AM MST



Sam Smith  
22Feb2024  
10:21:00 AM MST



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/a5799f54-ca7c-4acb-a361-fa1981118c2f>

### 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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Prepared for:  
**Natural Dynamics**

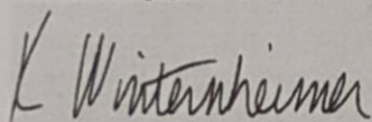
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Gainesville, FL USA 32608

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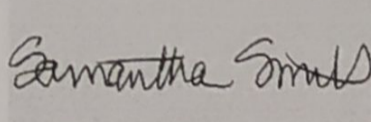
Batch ID or Lot Number: <b>D1182</b>	Test: <b>Pesticides</b>	Reported: <b>28Feb2024</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000271448	Started: 26Feb2024	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 19Feb2024	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	277 - 2691	ND	Malathion	290 - 2684	ND
Acephate	42 - 2661	ND	Metalaxyl	43 - 2715	ND
Acetamiprid	41 - 2675	ND	Methiocarb	43 - 2701	ND
Azoxystrobin	48 - 2688	ND	Methomyl	40 - 2717	ND
Bifenazate	44 - 2695	ND	MGK 264 1	170 - 1633	ND
Boscalid	46 - 2666	ND	MGK 264 2	100 - 1073	ND
Carbaryl	42 - 2691	ND	Myclobutanil	40 - 2682	ND
Carbofuran	44 - 2692	ND	Naled	45 - 2651	ND
Chlorantraniliprole	40 - 2671	ND	Oxamyl	41 - 2712	ND
Chlorpyrifos	53 - 2685	ND	Paclobutrazol	46 - 2710	ND
Clofentezine	273 - 2698	ND	Permethrin	284 - 2754	ND
Diazinon	290 - 2692	ND	Phosmet	41 - 2562	ND
Dichlorvos	290 - 2674	ND	Prophos	291 - 2668	ND
Dimethoate	40 - 2684	ND	Propoxur	42 - 2697	ND
E-Fenpyroximate	258 - 2738	ND	Pyridaben	291 - 2708	ND
Etofenprox	46 - 2699	ND	Spinosad A	32 - 2080	ND
Etoxazole	289 - 2622	ND	Spinosad D	66 - 668	ND
Fenoxycarb	42 - 2696	ND	Spiromesifen	261 - 2707	ND
Fipronil	41 - 2821	ND	Spirotetramat	288 - 2747	ND
Flonicamid	50 - 2744	ND	Spiroxamine 1	16 - 1023	ND
Fludioxonil	303 - 2688	ND	Spiroxamine 2	25 - 1588	ND
Hexythiazox	42 - 2739	ND	Tebuconazole	287 - 2690	ND
Imazalil	275 - 2727	ND	Thiacloprid	42 - 2695	ND
Imidacloprid	43 - 2746	ND	Thiamethoxam	42 - 2725	ND
Kresoxim-methyl	42 - 2730	ND	Trifloxystrobin	45 - 2706	ND

## Final Approval



Karen Winternheimer  
28Feb2024  
10:34:00 AM MST



Sam Smith  
28Feb2024  
10:39:00 AM MST



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<https://results.botanacor.com/api/v1/coas/uuid/42e29441-76da-4850-b91a-366f4c6c755a>

### 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

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.



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42e2944176da4850b91a366f4c6c755a.1

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**Natural Dynamics**  
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Gainesville, FL USA 32608

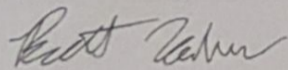
**BDT.FSO500.021924**

Batch ID or Lot Number: <b>D1182</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>22Feb2024</b>	USDA License: N/A
Matrix: Finished Product	Test ID: T000271449	Started: 19Feb2024	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 19Feb2024	Status: Active

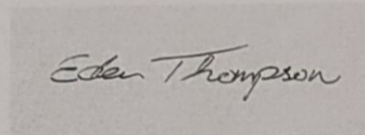
**Microbial Contaminants**

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  
22Feb2024  
10:46:00 AM MST



Eden Thompson-Wright  
22Feb2024  
02:00:00 PM MST



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<https://results.botanacor.com/api/v1/coas/uuid/f2e393e2-4f26-42db-9639-46669c8f3a59>

**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

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