

CERTIFICATE OF ANALYSIS

Prepared for:
Sivan CBD

PO Box 378
Point Lookout, NY USA 11569


1500mg/oz Sivan Pain Tincture

Batch ID or Lot Number: 15951-01	Test: Potency	Reported: 22Feb2022	USDA License: N/A
Matrix: Unit	Test ID: T000193882	Started: 21Feb2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 18Feb2022	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.476	5.069	317.890	11.10	# of Servings = 1, Sample Weight=28.67g
Cannabichromenic Acid (CBCA)	1.350	4.636	ND	ND	
Cannabidiol (CBD)	4.620	13.496	782.130	27.30	
Cannabidiolic Acid (CBDA)	4.738	13.842	ND	ND	
Cannabidivarin (CBDV)	1.093	3.192	10.040	0.40	
Cannabidivarinic Acid (CBDVA)	1.977	5.774	ND	ND	
Cannabigerol (CBG)	0.838	2.878	347.000	12.10	
Cannabigerolic Acid (CBGA)	3.504	12.030	ND	ND	
Cannabinol (CBN)	1.094	3.754	165.000	5.80	
Cannabinolic Acid (CBNA)	2.391	8.208	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	4.175	14.332	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	3.791	13.016	27.230	0.90	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	3.359	11.532	ND	ND	
Tetrahydrocannabivarin (THCV)	0.762	2.618	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	2.963	10.172	ND	ND	
Total Cannabinoids			1649.290	57.53	
Total Potential THC**			27.230	0.95	
Total Potential CBD**			782.130	27.28	

Final Approval



Kayla Phye
22Feb2022
03:34:00 PM MST

PREPARED BY / DATE



Daniel Weidensaul
22Feb2022
03:36:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/64b79197-52a7-45e1-ad84-1e199308d265>

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 Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/ IEC 17025:2005 Accredited A2LA.



Cert #4329.02

CDPHE Certified

64b7919752a745e1ad841e199308d265.1

CERTIFICATE OF ANALYSIS

Prepared for:
Sivan CBD

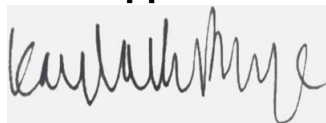
PO Box 378
Point Lookout, NY USA 11569

1500mg/oz Sivan Pain Tincture

Batch ID or Lot Number: 15951-01	Test: Heavy Metals	Reported: 24Feb2022	USDA License: NA
Matrix: Unit	Test ID: T000194121	Started: 23Feb2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 22Feb2022	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.21	ND	
Cadmium	0.04 - 4.34	ND	
Mercury	0.04 - 4.32	ND	
Lead	0.04 - 4.26	ND	

Final Approval



Kayla Phye
24Feb2022
12:34:00 PM MST

PREPARED BY / DATE



Ryan Weems
24Feb2022
12:42:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/0b917d42-bd90-41b9-957d-e591d09bf0e5>

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 Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/ IEC 17025:2005 Accredited A2LA.



Cert #4329.02

CDPHE Certified

0b917d42bd9041b9957de591d09bf0e5.1

CERTIFICATE OF ANALYSIS

 Prepared for:
Sivan CBD


 PO Box 378
 Point Lookout, NY USA 11569

1500mg/oz Sivan Pain Tincture

Batch ID or Lot Number: 15951-01	Test: Residual Solvents	Reported: 24Feb2022	USDA License: N/A
Matrix: Concentrate	Test ID: T000194122	Started: 23Feb2022	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 22Feb2022	Status: N/A

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	80 - 1602	ND	
Butanes (Isobutane, n-Butane)	160 - 3208	ND	
Methanol	57 - 1132	ND	
Pentane	84 - 1671	ND	
Ethanol	88 - 1760	1418	
Acetone	93 - 1868	ND	
Isopropyl Alcohol	97 - 1931	ND	
Hexane	6 - 111	ND	
Ethyl Acetate	94 - 1876	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	92 - 1848	ND	
Toluene	18 - 351	ND	
Xylenes (m,p,o-Xylenes)	124 - 2473	ND	

Final Approval



 Ryan Weems
 24Feb2022
 12:46:00 PM MST

PREPARED BY / DATE



 Sam Smith
 24Feb2022
 12:49:00 PM MST

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/3bc5cab4-531a-4820-a10f-511c69535008>

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 Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/ IEC 17025:2005 Accredited A2LA.



Cert #4329.02

CDPHE Certified

3bc5cab4531a4820a10f511c69535008.1

1500mg/oz Sivan Pain Tincture

Batch ID:	15951-01	Test ID:	T000194120
Matrix:	Finished Product	Received:	02/22/2022 @ 11:03 AM
Test:	Microbial Contaminants	Started:	2/22/2022
Methods:	TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Reported:	2/25/2022

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	Quantitation Range	Result
Total Yeast and Mold*	TM-24 Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴ CFU/g	None Detected
Total Aerobic Count*	TM-26 Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵ CFU/g	None Detected
Total Coliforms*	TM-27 Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴ CFU/g	None Detected
STEC	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent
Salmonella	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent

* 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

NOTES:

Free from visual mold, mildew, and foreign matter

DEFINITIONS:

CFU/g = Colony Forming Units per gram | LOD = Limit of Detection | STEC = Shiga toxin-producing E. coli
LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

FINAL APPROVAL



Carly Bader
2/25/2022
12:11:00 PM



Jackson Osaghae-Nosa
2/25/2022
12:23:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.03. Testing associated with this certificate of analysis performed by an external ISO17025 accredited provider.



Certificate #4329.03

Prepared for:
Sivan CBD

PO Box 378
Point Lookout, NY USA 11569

1500mg/oz Sivan Pain Tincture

Batch ID or Lot Number: 15951-01	Test: Pesticides	Reported: 25Feb2022	USDA License: NA
Matrix: Concentrate	Test ID: T000194119	Started: 24Feb2022	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 22Feb2022	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	428 - 6809	ND	Malathion	316 - 2582	ND
Acephate	36 - 2793	ND	Metalaxyl	42 - 2610	ND
Acetamiprid	40 - 2673	ND	Methiocarb	45 - 2644	ND
Azoxystrobin	40 - 2794	ND	Methomyl	37 - 2886	ND
Bifenazate	42 - 2224	ND	MGK 264 1	166 - 1321	ND
Boscalid	36 - 1670	ND	MGK 264 2	114 - 922	ND
Carbaryl	40 - 2632	ND	Myclobutanil	44 - 2772	ND
Carbofuran	43 - 2546	ND	Naled	46 - 2536	ND
Chlorantraniliprole	36 - 1833	ND	Oxamyl	35 - 2859	ND
Chlorpyrifos	54 - 2770	ND	Paclobotrazol	38 - 2767	ND
Clofentezine	288 - 2662	ND	Permethrin	280 - 2741	ND
Diazinon	305 - 2562	ND	Phosmet	44 - 2715	ND
Dichlorvos	274 - 2791	ND	Prophos	288 - 2695	ND
Dimethoate	36 - 2759	ND	Propoxur	44 - 2575	ND
E-Fenpyroximate	297 - 1977	ND	Pyridaben	307 - 2686	ND
Etofenprox	43 - 2649	ND	Spinosad A	34 - 2190	ND
Etoxazole	312 - 2627	ND	Spinosad D	54 - 486	ND
Fenoxycarb	40 - 2849	ND	Spiromesifen	288 - 1792	ND
Fipronil	45 - 2675	ND	Spirotetramat	293 - 1692	ND
Flonicamid	46 - 2674	ND	Spiroxamine 1	13 - 1114	ND
Fludioxonil	324 - 2113	ND	Spiroxamine 2	17 - 1492	ND
Hexythiazox	41 - 1840	ND	Tebuconazole	288 - 2869	ND
Imazalil	352 - 2738	ND	Thiacloprid	41 - 2696	ND
Imidacloprid	46 - 2566	ND	Thiamethoxam	44 - 2659	ND
Kresoxim-methyl	40 - 909	ND	Trifloxystrobin	44 - 2516	ND

Final Approval



Karen Winternheimer
25Feb2022
12:20:00 PM MST

PREPARED BY / DATE



Sam Smith
25Feb2022
12:27:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/651fc874-41e0-49db-8616-03222e8a1c94>

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 Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/ IEC 17025:2005 Accredited A2LA.



Cell #4329.02
651fc87441e049db861603222e8a1c94.1