SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
Sivan CBD
PO Box 378
Point Lookout, NY USA 11569

Sivan Pain Cream

Batch ID or Lot Number:	Test:	Reported:	USDA License:
22189-05	**Potency**	**20Feb2024**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000271250	19Feb2024	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD)	16Feb2024	N/A

Cannabinoids

	LOD (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	16.966	57.950	386.780	3.90	# of Servings = 1, Sample Weight=100g
Cannabichromenic Acid (CBCA)	15.518	53.005	ND	ND	
Cannabidiol (CBD)	60.153	165.168	671.200	6.70	
Cannabidiolic Acid (CBDA)	61.695	169.405	ND	ND	
Cannabidivarin (CBDV)	14.227	39.064	ND	ND	
Cannabidivarinic Acid (CBDVA)	25.736	70.667	ND	ND	
Cannabigerol (CBG)	9.633	32.902	256.200	2.60	
Cannabigerolic Acid (CBGA)	40.269	137.545	ND	ND	
Cannabinol (CBN)	12.567	42.924	216.460	2.20	
Cannabinolic Acid (CBNA)	27.474	93.842	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	47.975	163.865	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	43.570	148.819	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	38.603	131.854	ND	ND	
Tetrahydrocannabivarin (THCV)	8.762	29.928	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	34.049	116.301	ND	ND	
Total Cannabinoids			**1530.640**	**15.40**	
Total Potential THC			ND	ND	
Total Potential CBD			671.200	6.70	

Final Approval

Karen Winternheimer
20Feb2024
12:49:00 PM MST
PREPARED BY / DATE

Sam Smith
20Feb2024
12:51:00 PM MST
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/e4c80115-8236-4092-bf88-ff2bf52be2b1

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)).

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Sivan Pain Cream

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 4
22189-05	Various	Topical	
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26Feb2024	23Feb2024	23Feb2024	

Residual Solvents

Test ID: T000272081
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	98 - 1970	ND	
Butanes (Isobutane, n-Butane)	187 - 3736	ND	
Methanol	68 - 1364	ND	
Pentane	99 - 1988	ND	
Ethanol	100 - 2001	>2001	
Acetone	104 - 2088	ND	
Isopropyl Alcohol	111 - 2229	ND	
Hexane	7 - 136	ND	
Ethyl Acetate	112 - 2242	ND	
Benzene	0.2 - 4.8	ND	
Heptanes	112 - 2231	ND	
Toluene	22 - 442	ND	
Xylenes (m,p,o-Xylenes)	161 - 3229	ND	

Final Approval

Karen Winternheimer
26Feb2024
12:21:00 PM MST
PREPARED BY / DATE

Sam Smith
26Feb2024
12:22:00 PM MST
APPROVED BY / DATE

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Microbial Contaminants

Test ID: T000272079
Methods: TM25 (PCR) TM24, TM26, TM27 (Culture Plating)

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

Final Approval

Brett Hudson
26Feb2024
04:17:00 PM MST
PREPARED BY / DATE

Brianne Maillot
26Feb2024
04:26:00 PM MST
APPROVED BY / DATE

Heavy Metals

Test ID: T000272080
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	Notes
Arsenic	0.04 - 4.29	ND	
Cadmium	0.05 - 4.51	ND	
Mercury	0.05 - 4.74	ND	
Lead	0.03 - 3.37	ND	

Final Approval

Sam Smith
26Feb2024
01:58:00 PM MST
PREPARED BY / DATE

Sam Smith
27Feb2024
08:17:00 AM MST
APPROVED BY / DATE

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Pesticides

Test ID: T000272078
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**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
PREPARED BY / DATE

Sam Smith
28Feb2024
10:39:00 AM MST
APPROVED BY / DATE

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https://results.botanacor.com/api/v1/coas/uuid/b9322972-907d-488b-b38b-3abc83d4b759

Definitions
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (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)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or – the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa *(0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

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