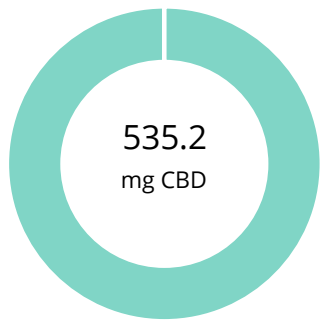


## 1000mg Relief Cream

<b>Batch ID:</b>	14432-01	<b>Test ID:</b>	T000166711
<b>Type:</b>	Unit	<b>Submitted:</b>	09/30/2021 @ 12:34 PM
<b>Test:</b>	Potency	<b>Started:</b>	10/4/2021
<b>Method:</b>	TM14 (HPLC-DAD)	<b>Reported:</b>	10/5/2021

## CANNABINOID PROFILE



CBD	0.54%
CBDa	0.00%
delta 9 THC	0.00%
THCa	0.00%

Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	55.79	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	62.97	ND	ND
Cannabidiolic acid (CBDA)	45.40	ND	ND
Cannabidiol (CBD)	44.26	535.20	5.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	69.34	ND	ND
Cannabinolic Acid (CBNA)	39.71	ND	ND
Cannabinol (CBN)	18.16	155.24	1.6
Cannabigerolic acid (CBGA)	58.20	ND	ND
Cannabigerol (CBG)	13.92	210.64	2.1
Tetrahydrocannabivarinic Acid (THCVA)	49.21	ND	ND
Tetrahydrocannabivarin (THCV)	12.66	ND	ND
Cannabidivarinic Acid (CBDVA)	18.94	ND	ND
Cannabidivarin (CBDV)	10.47	ND	ND
Cannabichromenic Acid (CBCA)	22.43	ND	ND
Cannabichromene (CBC)	24.52	237.52	2.4
<b>Total Cannabinoids</b>		<b>1138.60</b>	<b>11.4</b>
Total Potential THC**		ND	ND
Total Potential CBD**		535.20	5.4

## NOTES:

# of Servings = 1, Sample Weight=100g

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

\* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.


\*\* Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$


$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

ND = None Detected (Defined by Dynamic Range of the method)

## FINAL APPROVAL


 Karen Winternheimer  
 5-Oct-2021  
 4:38 PM

PREPARED BY / DATE


 Rvan Weems  
 5-Oct-2021  
 4:40 PM

APPROVED BY / DATE

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Certificate #4329.02


Prepared for:

**1000mg Relief Cream**
**Sivan CBD**


Batch ID or Lot Number: <b>14432-01</b>	Test: <b>Metals</b>	Reported: <b>10/5/21</b>	Location: PO Box 378 Point Lookout, NY 11569
Matrix: Unit	Test ID: T000166714	Started: 10/4/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals	Received: 09/30/2021 @ 12:34 PM	Sampler ID: N/A

**HEAVY METALS DETERMINATION**

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.048 - 4.82	ND	
Cadmium	0.047 - 4.74	ND	
Mercury	0.046 - 4.58	ND	
Lead	0.048 - 4.79	ND	


 Sam Smith  
 5-Oct-21  
 12:14 PM

PREPARED BY / DATE


 Ryan Weems  
 5-Oct-21  
 12:17 PM

APPROVED BY / DATE

**Definitions**

ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4329.02

Prepared for:


**1000mg Relief Cream**
**Sivan CBD**

Batch ID or Lot Number: <b>14432-01</b>	Test: <b>Residual Solvents</b>	Reported: <b>10/5/21</b>	Location: PO Box 378 Point Lookout, NY 11569
Matrix: N/A	Test ID: T000166715	Started: 10/5/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 09/30/2021 @ 12:34 PM	Sampler ID: N/A

**RESIDUAL SOLVENTS DETERMINATION**

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
<b>Propane</b>	77 - 1540	*ND	
<b>Butanes</b> (Isobutane, n-Butane)	151 - 3022	*ND	
<b>Methanol</b>	62 - 1238	*ND	
<b>Pentane</b>	89 - 1776	*ND	
<b>Ethanol</b>	89 - 1776	>1776	
<b>Acetone</b>	99 - 1985	*ND	
<b>Isopropyl Alcohol</b>	111 - 2212	*ND	
<b>Hexane</b>	6 - 129	*ND	
<b>Ethyl Acetate</b>	105 - 2091	*ND	
<b>Benzene</b>	0 - 4	*ND	
<b>Heptanes</b>	96 - 1920	*ND	
<b>Toluene</b>	18 - 364	*ND	
<b>Xylenes</b> (m,p,o-Xylenes)	133 - 2654	*ND	


 Daniel Weidensaul  
 5-Oct-21  
 6:41 PM


 Ryan Weems  
 5-Oct-21  
 6:47 PM

PREPARED BY / DATE

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**Definitions**

\* ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4329.02

## 1000mg Relief Cream

<b>Batch ID:</b>	14432-01	<b>Test ID:</b>	T000166713
<b>Matrix:</b>	Finished Product	<b>Received:</b>	09/30/2021 @ 12:34 PM
<b>Test:</b>	Microbial Contaminants	<b>Started:</b>	10/1/2021
<b>Method:</b>	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	<b>Reported:</b>	10/4/2021

## MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	LLOQ	ULOQ	Result
<b>Total Aerobic Count*</b>	TM-26 Culture Plating	10 <sup>2</sup> CFU/g	10 <sup>3</sup> CFU/g	1.5x10 <sup>5</sup> CFU/g	<b>None Detected</b>
<b>Total Coliforms*</b>	TM-27 Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	<b>None Detected</b>
<b>Total Yeast and Molds*</b>	TM-24 Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	<b>None Detected</b>
<b>E. coli</b>	TM-28 Culture Plating	1 CFU/g	NA	NA	<b>Absent</b>
<b>E. coli (STEC)</b>	TM-25 PCR	1 CFU/g	NA	NA	<b>Absent</b>
<b>Salmonella</b>	TM-25 PCR	1 CFU/g	NA	NA	<b>Absent</b>

\* 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

## NOTES:

Free from visual mold, mildew, and foreign matter

## DEFINITIONS:

CFU/g = Colony Forming Units per Gram.

LOD = Limit of Detection

ULOQ = Upper Limit of Quantitation

LLOQ = Lower Limit of Quantitation

## FINAL APPROVAL



Carly Bader  
 10/4/2021  
 11:38:00 AM



Sarah Henning  
 10/4/2021  
 2:11:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

Prepared for:

**1000mg Relief Cream**
**Sivan CBD**

Batch ID or Lot Number: <b>14432-01</b>	Test: <b>Pesticides</b>	Reported: <b>10/8/21</b>	Location: PO Box 378 Point Lookout, NY 11569
Matrix: Concentrate	Test ID: T000166712	Started: 10/7/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 09/30/2021 @ 12:34 PM	Sampler ID: N/A

**PESTICIDE DETERMINATION**

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	36	ND	Fenoxycarb	18	ND	Paclobutrazol	40	ND
Acetamiprid	41	ND	Fipronil	30	ND	Permethrin	317	ND
Avermectin	345	ND	Flonicamid	44	ND	Phosmet	40	ND
Azoxystrobin	44	ND	Fludioxonil	282	ND	Prophos	301	ND
Bifenazate	44	ND	Hexythiazox	35	ND	Propoxur	42	ND
Boscalid	42	ND	Imazalil	292	ND	Pyridaben	341	ND
Carbaryl	38	ND	Imidacloprid	38	ND	Spinosad A	38	ND
Carbofuran	41	ND	Kresoxim-methyl	150	ND	Spinosad D	57	ND
Chlorantraniliprole	41	ND	Malathion	308	ND	Spiromesifen	281	ND
Chlorpyrifos	500	ND	Metalaxyl	43	ND	Spirotetramat	292	ND
Clofentezine	292	ND	Methiocarb	40	ND	Spiroxamine 1	18	ND
Diazinon	303	ND	Methomyl	40	ND	Spiroxamine 2	25	ND
Dichlorvos	283	ND	MGK 264 1	160	ND	Tebuconazole	306	ND
Dimethoate	41	ND	MGK 264 2	114	ND	Thiacloprid	41	ND
E-Fenpyroximate	336	ND	Myclobutanil	38	ND	Thiamethoxam	39	ND
Etofenprox	42	ND	Naled	47	ND	Trifloxystrobin	44	ND
Etoxazole	312	ND	Oxamyl	1500	ND			


 Karen Winternheimer  
 10/8/2021  
 8:59:00 AM


 Alex Smith  
 10/8/2021  
 3:15:00 PM

PREPARED BY / DATE

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**Definitions**

LOQ = Limit of Quantification  
 ppb = Parts per Billion

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