

## CERTIFICATE OF ANALYSIS

CUSTOMER	CANOPY
PRODUCT	CANOPY SLEEP SCIENCE CREAM
OREAN CODE	FCAN005RP
WORKS ORDER	13597-005/1/1
JULIAN CODE	128407A
DATE OF MANUFACTURE	29 November 2021

TEST METHOD NO.	CHARACTERISTIC	SPECIFICATION LIMITS	RESULTS
QP09	APPEARANCE	Opaque Creamy Emulsion	PASS
QP09	ODOUR	PF61954 DEEP CALM (THIS WORKS)	PASS
QP09	COLOUR	Pale Yellow	PASS
QP10	pH @ 20°C	6.0 - 6.5	6.07
QP12	VISCOSITY @ 20°C	13,500 - 16,000 Cps (T Bar Speed 10)	13600
QP04	TVC B,Y & M	<10cfu's/g	PASS
QP11	S.G. @ 20°C	0.95 - 1.00 g/ML	0.989

We confirm that this material conforms to the agreed specification.

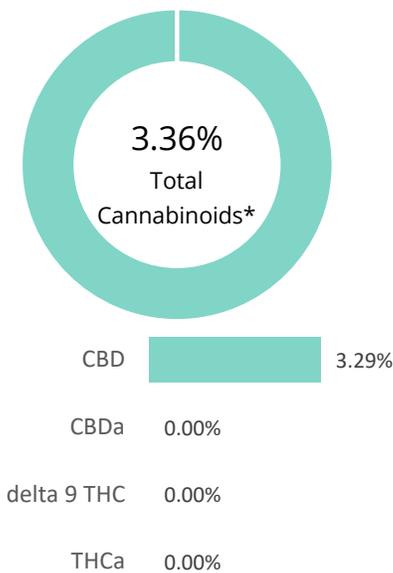


Company registered in England: BD19 4TT. Company Registration No. 6723673. VAT Registration No. GB942031036 7

## Sleep Science Cream 50mL

<b>Batch ID:</b>	128407A	<b>Test ID:</b>	T000178905
<b>Type:</b>	Concentrate	<b>Submitted:</b>	12/03/2021 @ 10:17 AM
<b>Test:</b>	Potency	<b>Started:</b>	12/3/2021
<b>Method:</b>	TM14 (HPLC-DAD)	<b>Reported:</b>	12/3/2021

## CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.04	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.05	ND	ND
Cannabidiolic acid (CBDA)	0.05	ND	ND
Cannabidiol (CBD)	0.05	3.29	32.9
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	ND	ND
Cannabinolic Acid (CBNA)	0.03	ND	ND
Cannabinol (CBN)	0.01	ND	ND
Cannabigerolic acid (CBGA)	0.04	ND	ND
Cannabigerol (CBG)	0.01	0.07	0.7
Tetrahydrocannabivarinic Acid (THCVA)	0.04	ND	ND
Tetrahydrocannabivarin (THCV)	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.02	ND	ND
Cannabichromene (CBC)	0.02	ND	ND
<b>Total Cannabinoids</b>		<b>3.36</b>	<b>33.6</b>
Total Potential THC**		ND	ND
Total Potential CBD**		3.29	32.9

## NOTES:

N/A

% = % (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.

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

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

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

## FINAL APPROVAL

 <b>Jacob Miller</b> 3-Dec-2021 5:44 PM	 <b>Rvan Weems</b> 3-Dec-2021 5:46 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 4329.02



Certificate #4329.02

Prepared for:

**Sleep Science Cream 50mL**
**This Works**

Batch ID or Lot Number: <b>128407A</b>	Test: <b>Mycotoxins</b>	Reported: <b>12/6/21</b>	Location: 53 St. George's Rd. Wimbeldon, London SW19 4AE
Matrix: Concentrate	Test ID: T000178908	Started: 12/3/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 12/03/2021 @ 10:17 AM	Sampler ID: N/A

**MYCOTOXIN DETERMINATION**

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4.2 - 124.7	ND	N/A
Aflatoxin B1	1 - 31.9	ND	
Aflatoxin B2	1.1 - 31.9	ND	
Aflatoxin G1	1 - 31.7	ND	
Aflatoxin G2	1.4 - 31.2	ND	
<b>Total Aflatoxins (B1, B2, G1, and G2)</b>		ND	


 Ryan Weems  
 6-Dec-21  
 4:00 PM

PREPARED BY / DATE


 Courtney Richards  
 6-Dec-21  
 4:25 PM

APPROVED BY / DATE

**Definitions**

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Certificate #4329.02

Prepared for:

**Sleep Science Cream 50mL**
**This Works**

Batch ID or Lot Number: <b>128407A</b>	Test: <b>Metals</b>	Reported: <b>12/6/21</b>	Location: 53 St. George's Rd. Wimbeldon, London SW19 4AE
Matrix: Unit	Test ID: T000178906	Started: 12/6/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS); Heavy Metals	Received: 12/03/2021 @ 10:17 AM	Sampler ID: N/A

**HEAVY METALS DETERMINATION**

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.041 - 4.15	ND	
Cadmium	0.044 - 4.38	ND	
Mercury	0.044 - 4.42	ND	
Lead	0.043 - 4.34	ND	


 Ryan Weems  
 6-Dec-21  
 5:16 PM

PREPARED BY / DATE


 Daniel Weidensaul  
 6-Dec-21  
 5:36 PM

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Certificate #4329.02

Prepared for:

**Sleep Science Cream 50 ML**
**This Works**

Batch ID or Lot Number: <b>128407A</b>	Test: <b>Pesticides</b>	Reported: <b>12/27/21</b>	Location: 53 St. George's Rd. Wimbeldon, London SW19 4AE
Matrix: Concentrate	Test ID: T000183354	Started: 12/22/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 12/20/2021 @ 09:22 AM	Sampler ID: N/A

**PESTICIDE DETERMINATION**

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	42	ND	Fenoxycarb	40	ND	Paclobutrazol	46	ND
Acetamiprid	41	ND	Fipronil	25	ND	Permethrin	305	ND
Avermectin	351	ND	Fonicamid	44	ND	Phosmet	37	ND
Azoxystrobin	42	ND	Fludioxonil	306	ND	Prophos	278	ND
Bifenazate	38	ND	Hexythiazox	41	ND	Propoxur	42	ND
Boscalid	43	ND	Imazalil	261	ND	Pyridaben	297	ND
Carbaryl	40	ND	Imidacloprid	43	ND	Spinosad A	33	ND
Carbofuran	41	ND	Kresoxim-methyl	150	ND	Spinosad D	51	ND
Chlorantraniliprole	15	ND	Malathion	283	ND	Spiromesifen	287	ND
Chlorpyrifos	500	ND	Metaxyl	41	ND	Spirotetramat	296	ND
Clofentezine	286	ND	Methiocarb	42	ND	Spiroxamine 1	17	ND
Diazinon	277	ND	Methomyl	40	ND	Spiroxamine 2	24	ND
Dichlorvos	290	ND	MGK 264 1	177	ND	Tebuconazole	277	ND
Dimethoate	40	ND	MGK 264 2	118	ND	Thiacloprid	42	ND
E-Fenpyroximate	302	ND	Myclobutanil	46	ND	Thiamethoxam	44	ND
Etofenprox	43	ND	Naled	45	ND	Trifloxystrobin	43	ND
Etoxazole	307	ND	Oxamyl	1500	ND			


 Karen Winternheimer  
 12/24/2021  
 10:01:00 AM


 Courtney Richards  
 12/27/2021  
 1:00:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

LOQ = Limit of Quantification  
 ppb = Parts per Billion

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Certificate #4329.02

Prepared for:

**Sleep Science Cream 50mL**
**This Works**

Batch ID or Lot Number: <b>128407A</b>	Test: <b>Residual Solvents</b>	Reported: <b>12/3/21</b>	Location: 53 St. George's Rd. Wimbeldon, London SW19 4AE
Matrix: N/A	Test ID: T000178907	Started: 12/3/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 12/03/2021 @ 10:17 AM	Sampler ID: N/A

**RESIDUAL SOLVENTS DETERMINATION**

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
<b>Propane</b>	89 - 1773	*ND	
<b>Butanes</b> (Isobutane, n-Butane)	158 - 3157	*ND	
<b>Methanol</b>	54 - 1086	*ND	
<b>Pentane</b>	78 - 1558	*ND	
<b>Ethanol</b>	73 - 1468	*ND	
<b>Acetone</b>	86 - 1715	*ND	
<b>Isopropyl Alcohol</b>	88 - 1767	*ND	
<b>Hexane</b>	5 - 109	*ND	
<b>Ethyl Acetate</b>	93 - 1864	*ND	
<b>Benzene</b>	0.2 - 3.8	*ND	
<b>Heptanes</b>	85 - 1693	*ND	
<b>Toluene</b>	16 - 323	*ND	
<b>Xylenes</b> (m,p,o-Xylenes)	114 - 2274	*ND	


 Daniel Weidensaul  
 3-Dec-21  
 4:49 PM


 Ryan Weems  
 3-Dec-21  
 4:52 PM

PREPARED BY / DATE

APPROVED BY / DATE

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