

CERTIFICATE OF ANALYSIS

CUSTOMER	THIS WORKS
PRODUCT	CANOPY SLEEP SCIENCE CREAM EXP: MAY24
OREAN CODE	FCAN004RP
WORKS ORDER	13597-004/1/1
JULIAN CODE	133304
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.

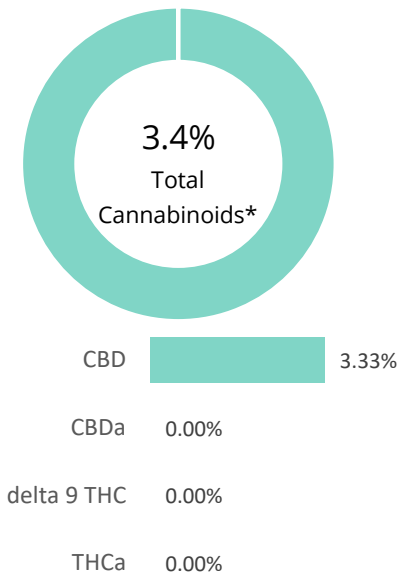


Company registered in England: BD19 4TT. Company Registration No. 6723673. VAT Registration No. GB942031036 7

Sleep Science Cream 20mL

Batch ID:	133304	Test ID:	T000178900
Type:	Concentrate	Submitted:	12/03/2021 @ 10:17 AM
Test:	Potency	Started:	12/3/2021
Method:	TM14 (HPLC-DAD)	Reported:	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	3.33	33.3
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
Total Cannabinoids		3.40	34.0
Total Potential THC**		ND	ND
Total Potential CBD**		3.33	33.3

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


 Jacob Miller
 3-Dec-2021
 5:44 PM

PREPARED BY / DATE


 Rvan Weems
 3-Dec-2021
 5:46 PM

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 20mL
This Works


Batch ID or Lot Number: 133304	Test: Mycotoxins	Reported: 12/6/21	Location: 53 St. George's Rd. Wimbeldon, London SW19 4AE
Matrix: Concentrate	Test ID: T000178904	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	4.4 - 129.9	ND	N/A
Aflatoxin B1	1.1 - 33.3	ND	
Aflatoxin B2	1.1 - 33.3	ND	
Aflatoxin G1	1 - 33	ND	
Aflatoxin G2	1.5 - 32.6	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 Ryan Weems
 6-Dec-21
 4:00 PM

PREPARED BY / DATE


 Courtney Richards
 6-Dec-21
 4:25 PM

APPROVED BY / DATE

Definitions

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

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.



Certificate #4329.02


Prepared for:

Sleep Science Cream 20mL
This Works


Batch ID or Lot Number: 133304	Test: Metals	Reported: 12/6/21	Location: 53 St. George's Rd. Wimbeldon, London SW19 4AE
Matrix: Unit	Test ID: T000178902	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

APPROVED BY / DATE

Definitions

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

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.



Certificate #4329.02

Prepared for:

Sleep Science Cream 20mL
This Works

Batch ID or Lot Number: 133304	Test: Pesticides	Reported: 12/7/21	Location: 53 St. George's Rd. Wimbeldon, London SW19 4AE
--	----------------------------	-----------------------------	--

Matrix: Concentrate	Test ID: T000178901	Started: 12/5/21	USDA License: N/A
------------------------	------------------------	---------------------	----------------------

Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 12/03/2021 @ 10:17 AM	Sampler ID: N/A
----------------	-----------------------------------	------------------------------------	--------------------

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	41	ND	Fenoxycarb	40	ND	Paclobutrazol	41	ND
Acetamiprid	41	ND	Fipronil	45	ND	Permethrin	258	ND
Avermectin	295	ND	Flonicamid	45	ND	Phosmet	43	ND
Azoxystrobin	42	ND	Fludioxonil	279	ND	Prophos	279	ND
Bifenazate	38	ND	Hexythiazox	37	ND	Propoxur	41	ND
Boscalid	46	ND	Imazalil	263	ND	Pyridaben	284	ND
Carbaryl	37	ND	Imidacloprid	44	ND	Spinosad A	43	ND
Carbofuran	42	ND	Kresoxim-methyl	150	ND	Spinosad D	282	ND
Chlorantraniliprole	55	ND	Malathion	285	ND	Spiromesifen	278	ND
Chlorpyrifos	500	ND	Metalaxyl	40	ND	Spirotetramat	306	ND
Clofentezine	282	ND	Methiocarb	38	ND	Spiroxamine 1	36	ND
Diazinon	280	ND	Methomyl	43	ND	Spiroxamine 2	35	ND
Dichlorvos	290	ND	MGK 264 1	356	ND	Tebuconazole	302	ND
Dimethoate	42	ND	MGK 264 2	277	ND	Thiacloprid	40	ND
E-Fenpyroximate	293	ND	Myclobutanil	42	ND	Thiamethoxam	37	ND
Etofenprox	40	ND	Naled	42	ND	Trifloxystrobin	41	ND
Etoxazole	307	ND	Oxamyl	1500	ND			

K Winternheimer
 Karen Winternheimer
 12/7/2021
 4:02:00 PM

Samantha Smith
 Sam Smith
 12/7/2021
 4:14:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 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.



Certificate #4329.02

Prepared for:


Sleep Science Cream 20mL
This Works

Batch ID or Lot Number: 133304	Test: Residual Solvents	Reported: 12/3/21	Location: 53 St. George's Rd. Wimbeldon, London SW19 4AE
Matrix: N/A	Test ID: T000178903	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
Propane	105 - 2097	*ND	
Butanes (Isobutane, n-Butane)	187 - 3734	*ND	
Methanol	64 - 1284	*ND	
Pentane	92 - 1843	*ND	
Ethanol	87 - 1737	*ND	
Acetone	101 - 2028	*ND	
Isopropyl Alcohol	105 - 2091	*ND	
Hexane	6 - 129	*ND	
Ethyl Acetate	110 - 2205	*ND	
Benzene	0.2 - 4.5	*ND	
Heptanes	100 - 2002	*ND	
Toluene	19 - 382	*ND	
Xylenes (m,p,o-Xylenes)	134 - 2690	*ND	


 Daniel Weidensaul
 3-Dec-21
 4:49 PM


 Ryan Weems
 3-Dec-21
 4:52 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

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.



Certificate #4329.02