

Prepared for:
Keola Life

2962 Evergreen Parkway
Evergreen, CO USA 80439

Keola Sleep Tincture

Batch ID or Lot Number: 220303	Test: Potency	Reported: 03Mar2022	USDA License: N/A
Matrix: Unit	Test ID: T000195421	Started: 02Mar2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 28Feb2022	Status: N/A


Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.557	5.264	82.000	2.70	# of Servings = 1, Sample Weight=30g
Cannabichromenic Acid (CBCA)	1.424	4.815	ND	ND	
Cannabidiol (CBD)	5.639	14.454	2141.120	71.40	
Cannabidiolic Acid (CBDA)	5.783	14.825	ND	ND	
Cannabidivarin (CBDV)	1.334	3.419	8.820	0.30	
Cannabidivarinic Acid (CBDVA)	2.412	6.184	ND	ND	
Cannabigerol (CBG)	0.884	2.989	73.920	2.50	
Cannabigerolic Acid (CBGA)	3.696	12.494	ND	ND	
Cannabinol (CBN)	1.154	3.899	329.570	11.00	
Cannabinolic Acid (CBNA)	2.522	8.524	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	4.404	14.885	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	3.999	13.518	89.110	3.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	3.543	11.977	ND	ND	
Tetrahydrocannabivarin (THCV)	0.804	2.718	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	3.125	10.564	ND	ND	
Total Cannabinoids			2724.540	90.82	
Total Potential THC			89.110	2.97	
Total Potential CBD			2141.120	71.37	

Final Approval


 Kayla Phye
 03Mar2022
 01:23:00 PM MST

PREPARED BY / DATE


 Karen Winternheimer
 03Mar2022
 01:26:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/eceaa3ec-8893-4b20-9d53-bfa3278e5697>

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 17025:2017 Accredited by A2LA.



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Prepared for:

Keola Life2962 Evergreen Parkway
Evergreen, CO USA 80439**Sleep Well Tincture**

Batch ID or Lot Number: 220303	Test, Test ID and Methods: Various	Matrix: Unit Co	Page 1 of 4
Reported: 27Apr2022	Started: 26Apr2022	Received: 25Apr2022	

**Heavy Metals -
Colorado Compliance**

Test ID: T000203943

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.31	ND	
Cadmium	0.04 - 4.25	ND	
Mercury	0.04 - 4.21	ND	
Lead	0.04 - 4.11	ND	

Final ApprovalKayla Phye
27Apr2022
04:17:00 PM MDT

PREPARED BY / DATE

Daniel Weidensaul
27Apr2022
04:21:00 PM MDT

APPROVED BY / DATE

Prepared for:

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Evergreen, CO USA 80439**Sleep Well Tincture**

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**Residual Solvents -
Colorado Compliance**

Test ID: T000203944

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	77 - 1534	ND	
Butanes (Isobutane, n-Butane)	155 - 3093	ND	
Methanol	56 - 1125	ND	
Pentane	82 - 1639	ND	
Ethanol	88 - 1754	ND	
Acetone	88 - 1760	ND	
Isopropyl Alcohol	94 - 1888	ND	
Hexane	6 - 112	ND	
Ethyl Acetate	91 - 1826	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	89 - 1778	ND	
Toluene	16 - 328	ND	
Xylenes (m,p,o-Xylenes)	119 - 2372	ND	

Final ApprovalJacob Miller
29Apr2022
11:18:00 AM MDT

PREPARED BY / DATE

Ryan Weems
29Apr2022
11:20:00 AM MDT

APPROVED BY / DATE

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Sleep Well Tincture

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Pesticides


Test ID: T000203941

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	285 - 2628	ND		Malathion	282 - 2708	ND
Acephate	38 - 2770	ND		Metalaxyl	45 - 2675	ND
Acetamiprid	39 - 2819	ND		Methiocarb	42 - 2677	ND
Azoxystrobin	46 - 2530	ND		Methomyl	40 - 2841	ND
Bifenazate	48 - 2573	ND		MGK 264 1	173 - 1600	ND
Boscalid	47 - 2600	ND		MGK 264 2	109 - 1113	ND
Carbaryl	42 - 2744	ND		Myclobutanil	15 - 2793	ND
Carbofuran	45 - 2678	ND		Naled	53 - 2738	ND
Chlorantraniliprole	61 - 2572	ND		Oxamyl	38 - 2874	ND
Chlorpyrifos	48 - 2876	ND		Paclobutrazol	42 - 2774	ND
Clofentezine	246 - 2796	ND		Permethrin	300 - 2836	ND
Diazinon	294 - 2647	ND		Phosmet	44 - 2680	ND
Dichlorvos	279 - 2796	ND		Prophos	285 - 2734	ND
Dimethoate	41 - 2757	ND		Propoxur	42 - 2745	ND
E-Fenpyroximate	296 - 2610	ND		Pyridaben	291 - 2779	ND
Etofenprox	41 - 2786	ND		Spinosad A	35 - 2261	ND
Etoxazole	301 - 2740	ND		Spinosad D	48 - 509	ND
Fenoxycarb	33 - 2712	ND		Spiromesifen	316 - 2783	ND
Fipronil	32 - 2578	ND		Spirotetramat	248 - 2558	ND
Flonicamid	48 - 2811	ND		Spiroxamine 1	19 - 1170	ND
Fludioxonil	297 - 2676	ND		Spiroxamine 2	26 - 1553	ND
Hexythiazox	44 - 2697	ND		Tebuconazole	275 - 2750	ND
Imazalil	300 - 2740	ND		Thiacloprid	42 - 2777	ND
Imidacloprid	40 - 2795	ND		Thiamethoxam	40 - 2739	ND
Kresoxim-methyl	66 - 2546	ND		Trifloxystrobin	45 - 2705	ND

Final Approval

 Daniel Weidensaul
29Apr2022
01:18:00 PM MDT
PREPARED BY / DATE

 Karen Winternheimer
29Apr2022
01:20:00 PM MDT
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Microbial Contaminants - Colorado Compliance

 Test ID: T000203942
 Methods: TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	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


 Carly Bader
 29Apr2022
 10:14:00 AM MDT



 Eden Thompson-Wright
 29Apr2022
 03:11:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/ba3d29f9-3d21-4a89-981b-e8424b7f2372>

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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU.

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