



CERTIFICATE OF ANALYSIS

PRODUCT NAME: Full Spectrum Hemp Oil Salve
PRODUCT CODE: CF-SA-TO-1,000mg/1oz-BULK
LOT NUMBER: JP102521SA5

DATE OF MANUFACTURE: 29 Nov 2021 EXPIRATION DATE: 29 Nov 2023
(DDMMYYYY) (Expiration date is 24 months under sealed conditions.)

Ingredients: Medium Chain Triglycerides (MCT), Beeswax, Full Spectrum Hemp Oil, Eucalyptus Oil, Lavender Oil, Industrial Hemp

Parameter	Method ¹	Certificate of Analysis	Results
Appearance		Semi-solid Paste	Pass
Color	QC-SOP-0002	Cream to Light Brown	Pass
Cannabinoids		LOQ (%)	Wt. (%) (mg/g)
CBD		0.056	3.496 34.96
CBD-A		0.057	ND ND
Δ9-THC		0.055	0.053 0.53
THC-A		0.049	ND ND
CBN		0.016	0.064 0.64
CBN-A		0.035	ND ND
CBG	HPLC-DAD	0.012	0.080 0.80
CBC		0.022	0.040 0.40
CBC-A		0.020	ND ND
Δ8-THC		0.061	ND ND
CBDV		0.013	ND ND
CBDV-A		0.024	ND ND
THCV		0.011	ND ND
Potency – Total CBD		NLT 95% of Labelled Claim for CBD	98% (978.88mg/28g)
Total THC		≤0.3%	0.05%
Terpenes ²	GC/FID & LC/MS	Refer to Oil Certificate of Analysis	Refer to Oil Certificate of Analysis
Pesticides ²	LC/MS & GC/MS	Refer to Oil Certificate of Analysis	Refer to Oil Certificate of Analysis
Residual Solvents ²	USP <467>	Refer to Oil Certificate of Analysis	Refer to Oil Certificate of Analysis
Heavy Metals ³			
Arsenic		<1.5 ppm	ND
Cadmium	ICP-MS	<0.5 ppm	ND
Lead		<0.5 ppm	ND
Mercury		<1.5 ppm	ND



Parameter	Method ¹	Specification	Results
Microbial Limits³			
Total aerobic plate count	USP	<10 ⁴ cfu/g	None Detected
Total yeast & mold	<2023>	<10 ³ cfu/g	None Detected
Total coliforms		<10 ² cfu/g	None Detected
Shiga-toxin producing E. coli (STEC)		Absent in 25 g	Absent
Salmonella		Absent in 25 g	Absent
Mycotoxins³			
Aflatoxin B1		<5 ppb	ND
Total Aflatoxins (B1, B2, G1, G2)	LC-MS	<20 ppb	ND
Ochratoxin A		<5 ppb	ND

Notes: ¹according to Folium Biosciences internal analytical methods, US Pharmacopeia or 3rd party contract laboratory method. ND=Not Detected. ²Testing performed on bulk oil. ³Specifications listed are set according with CDPH: 6ccr 1010-21.

ND=Not Detected, LOQ=Limit of Quantification, LOD=Limit of Detection

The above certificate of analysis is based on Product Certificate of Analysis (QA-FRM3-0001 S-X-Y-Z-A)
Revision No. 3

Results conform to all Certificate of Analysis: Yes or No

This Certificate of Analysis does not relieve the purchaser from undertaking their own tests to assure the suitability of this product for its application and to comply with all legal requirements for any goods into which this product is incorporated.

Storage: Room Temperature, Protect from Light

Prepared by: Julia D Beach Date: 10 Dec 2021
Quality Control, Folium Biosciences

Reviewed by: James Marie Date: 10 Dec 21
Quality Control, Folium Biosciences

Prepared for:

WEPA-003-KP-1
Natures Health and Body

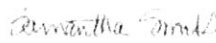
Batch ID or Lot Number: JP102521SA5	Test: Metals	Reported: 11/3/21	Location: 630 North Mildred Street #416 Ranson, WV 25438
Matrix: Unit Co	Test ID: T000173558	Started: 11/2/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS); Heavy Metals (Colorado Panel)	Received: 11/01/2021 @ 09:42 AM	Sampler ID: N/A

HEAVY METALS

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.043 - 4.32	ND	
Cadmium	0.044 - 4.40	ND	
Mercury	0.042 - 4.24	ND	
Lead	0.043 - 4.32	ND	



 Daniel Weidensaul
 3-Nov-21
 1:24 PM



 Sam Smith
 3-Nov-21
 1:26 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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



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Certificate #4329.02

Prepared for:

Natures Health and Body
WEPA-003-KP-1

Batch ID or Lot Number: JP102521SA5	Test: Microbial Contaminants	Reported: 11/7/21	Location: 630 North Mildred Street #416 Ranson, WV 25438
Matrix: Finished Product	Test ID: T000173557	Started: 11/1/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 11/01/2021 @ 09:42 AM	Sampler ID: N/A

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	

 Brett Hudson
 11/7/2021
 9:04:00 AM

 Courtney Richards
 11/7/2021
 10:44:00 AM

PREPARED BY / DATE

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Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

* 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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Certificate #4329 02

Prepared for:

WEPA-003-KP-1
Natures Health and Body

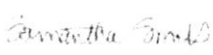
Batch ID or Lot Number: JP102521SA5	Test: Mycotoxins	Reported: 11/3/21	Location: 630 North Mildred Street #416 Ranson, WV 25438
Matrix: Concentrate	Test ID: T000173559	Started: 11/2/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS); Mycotoxins (Colorado Panel)	Received: 11/01/2021 @ 09:42 AM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4.1 - 116.5	ND	N/A
Aflatoxin B1	1 - 29.9	ND	
Aflatoxin B2	0.9 - 30.7	ND	
Aflatoxin G1	1.1 - 30.4	ND	
Aflatoxin G2	1.1 - 28.4	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 Ryan Weems
 3-Nov-21
 1:10 PM

PREPARED BY / DATE


 Sam Smith
 3-Nov-21
 1:13 PM

APPROVED BY / DATE

Definitions

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



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Certificate #4329 02

Prepared for:

Natures Health and Body
WEPA-003-KP-1

Batch ID or Lot Number: JP102521SA5	Test: Potency	Reported: 12/7/21	Location: 630 North Mildred Street #416 Ranson, WV 25438
Matrix: Concentrate	Test ID: T000179667	Started: 12/6/21	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Full Spectrum Analysis, 0.3% THC (Colorado Panel)	Received: 12/03/2021 @ 10:23 AM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.015	0.049	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.017	0.055	0.053	0.53	N/A
Cannabidiolic acid (CBDA)	0.017	0.057	ND	ND	
Cannabidiol (CBD)	0.016	0.056	3.496	34.96	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.019	0.061	ND	ND	
Cannabiniolic Acid (CBNA)	0.011	0.035	ND	ND	
Cannabinol (CBN)	0.005	0.016	0.064	0.64	
Cannabigerolic acid (CBGA)	0.016	0.051	ND	ND	
Cannabigerol (CBG)	0.004	0.012	0.080	0.80	
Tetrahydrocannabivarinic Acid (THCVA)	0.014	0.043	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.011	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.007	0.024	ND	ND	
Cannabidivarin (CBDV)	0.004	0.013	ND	ND	
Cannabichromenic Acid (CBCA)	0.006	0.020	ND	ND	
Cannabichromene (CBC)	0.007	0.022	0.040	0.40	
Total Cannabinoids			3.733	37.33	
Total Potential THC**			0.053	0.53	
Total Potential CBD**			3.496	34.96	

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Definitions


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