



CERTIFICATE OF ANALYSIS

Customer: Brio Nutrition

Manufacture Date: 04/2022

Product Name: Tincture Full
Spectrum 1000mg (1 oz – 30 serv)
Dragon Fruit

Expiration Date: 04/2024

Item#: 44945

Lot#: A103980422

<u>Analysis</u>	<u>Method</u>	<u>Limits</u>	<u>Results</u>
Description	Visual	Colorless to yellow, clear oily liquid with characteristic aroma	Yellow, clear oily liquid with characteristic aroma
Identification	FTIR	NLT 90.0% correlation (sample IR spectrum matches reference standard spectrum)	100.0%
Microbial Limits	USP <2021>/QA SOP06112019 AOAC/QA SOP06112019 USP <2022> /QA SOP06112019 USP <2022> /QA SOP06112019 USP <2022> /QA SOP06112019	Total Plate Count: NMT 10 ⁴ cfu/g Yeast & Mold: NMT 10 ³ cfu/g E. coli: Absent per 10g Salmonella: Absent per 10g S. aureus: Absent per 10g	<10 cfu/g <20 cfu/g Absent/10g Absent/10g Absent/10g
Heavy Metals	USP <2232> USP <2232> USP <2232> USP <2232>	Arsenic: NMT 10 ppm Cadmium: NMT 4 ppm Lead: NMT 0.5 ppm Mercury: NMT 0.3 ppm	0.063 ppm <0.01 ppm <0.01 ppm <0.01 ppm
CBD Content*	HPLC	NLT 33 mg/serving	36 mg/serving MU = 0.467 mg/g
THC Content*	HPLC	<0.3%	ND(<0.001%)

*Measurement of Uncertainty (MU) must be reported from the third party cannabinoid potency lab report on HMBO, LLC certificate of analysis

QC Signature: 

Jeff Hatley

Date: 5/16/2022

QA Signature: 

Richard Napierkowski

Date: 5/16/2022



Certificate of Analysis

Customer

JW Nutritional
601 Century Pkwy
Allen, TX 75013
Lic Number:



Overall Batch Results	
Potency PASS	Foreign Material N/A
Water Activity N/A	Mycotoxins N/A
Heavy Metals N/A	Microbial Screen N/A
Pesticide N/A	Residual Solvents N/A

Report No: AFSG220505-128
Sample ID: 22AF040895
Sample Type: Hemp
Collected Date:
Received Date: 05/05/2022
Batch Size:
Sample Size:
Batch Number: A103980422
COA released: 05/10/2022 5:32 PM
Serving Size: 1 mL

Sample Name: 44939 Brio tincture full spectrum 1000mg dragon fruit

Potency
Date Tested: 05/10/2022 Method: Internal HPLC Method
Instrument Type: HPLC

0.00 % Total THC	3.85 % Total CBD	4.10 % Total Cannabinoids	41.05 mg/g Total Cannabinoids	NT Moisture Content
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Analyte	Result mg/g	Result %	LOD %	LOQ %	Result	Units
Cannabichromene (CBC)	1.43	0.14	0.001	0.005	1.34	mg/svg
Cannabichromenic acid (CBC-A)	ND	ND	0.001	0.005	ND	mg/svg
Cannabicyclol (CBL)	ND	ND	0.001	0.005	ND	mg/svg
Cannabidiol (CBD)	38.50	3.85	0.001	0.005	36.19	mg/svg
Cannabidivarin (CBDV)	ND	ND	0.001	0.005	ND	mg/svg
Cannabidivarinic acid (CBDV-A)	ND	ND	0.001	0.005	ND	mg/svg
Cannabidiolic acid (CBDA)	ND	ND	0.001	0.005	ND	mg/svg
Cannabigerol (CBG)	ND	ND	0.001	0.005	ND	mg/svg
Cannabigerolic acid (CBGA)	ND	ND	0.001	0.005	ND	mg/svg
Cannabinol (CBN)	1.12	0.11	0.001	0.005	1.05	mg/svg
d8-Tetrahydrocannabinol (d8-THC)	ND	ND	0.001	0.005	ND	mg/svg
d9-Tetrahydrocannabinol (d9-THC)	ND	ND	0.001	0.005	ND	mg/svg
Tetrahydrocannabivarin (THCV)	ND	ND	0.001	0.005	ND	mg/svg
Tetrahydrocannabivarinic acid (THCV-A)	ND	ND	0.001	0.005	ND	mg/svg
Tetrahydrocannabinolic acid (THCA)	ND	ND	0.001	0.005	ND	mg/svg
d9-Tetrahydrocannabinolic acid-A (THCA-A)	ND	ND	0.001	0.005	ND	mg/svg

MoU (CBD) = 0.467 mg/g

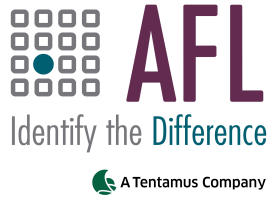
Certified by:

Colleen Villanueva - CEO

NT = Not tested, ND = Not detected; LOQ = Limit of Quantitation; <LOQ = Detected; >ULOL = Above upper limit of linearity; CFU/g = Colony forming units per 1 gram; TNTC = Too numerous to count

This product has been tested by AFL using validated testing methodologies and a quality system. Values reported relate only to the product tested. AFL makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written permission of AFL. Uncertainty information is available on request. Photo is of sample received by the lab and may vary from final packaging. Stated results apply to the samples as received.

Laboratory Report



860 Greenview Dr.
Grand Prairie, Texas 75050-2439
972 336 0336 / 1 800 242 6494
Fax 972 623 0055
afl@afltexas.com

Report Number:
AFSG220506-110

Page 1 of 2

Received Date: 5/6/2022 6:26:00 PM

Client Reference: Order 5-6-22 micros

Purchase Order:

Contact: Jeff Hatley

Email: jeff@jwnutritional.com

Company: JW Nutritional

Phone: 214-221-0404

Address: 601 Century Pkwy, Suite 300
Allen, TX 75013

Fax:

Temperature: 22.8C

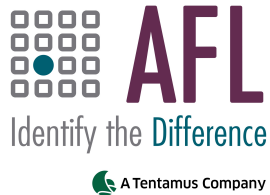
Comments:

22AF041400 44939 Brio nutrition tincture full spectrum dragon fruit 1000, A103980422

Test	Method Reference	Result	Unit	Approved Date
<i>Aerobic Plate Count</i>				
Aerobic Plate Count	USP <2021>	<10	cfu/g	05/09/2022
<i>E. Coli Count</i>				
E coli Count	USP <2022>	Absent	/10g	05/09/2022
<i>Salmonella</i>				
Salmonella	USP <2022>	Absent	/10g	05/09/2022
<i>Staph aureus Count USP <2022></i>				
Staph aureus Count	USP <2022>	Absent	/10g	05/09/2022
<i>Yeast & Mold Count - Rapid Petrifilm</i>				
Mold Count	AOAC 2014.05	<10	cfu/g	05/09/2022
Yeast Count	AOAC 2014.05	<10	cfu/g	05/09/2022

Stated results apply to the samples as received. Measurement of Uncertainty can be provided upon request. Lab testing was performed between Receiving and Approval dates. This report shall not be reproduced except in full without written approval of the laboratory.

* Estimated Count / ^ Subcontracted Test



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