



## CERTIFICATE OF ANALYSIS

**Customer:** Brio Nutrition

**Manufacture Date:** 05/2022

**Product Name:** Tincture Board  
Spectrum 1000mg (1 oz – 30 serv)  
Tropical

**Expiration Date:** 05/2024

**Item#:** 44948

**Lot#:** A103990422

<u>Analysis</u>	<u>Method</u>	<u>Limits</u>	<u>Results</u>
Description	Visual	Colorless to yellow, clear oily liquid with characteristic aroma	Conforms
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 <sup>4</sup> cfu/g Yeast & Mold: NMT 10 <sup>3</sup> 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	<0.01 ppm <0.01 ppm <0.01 ppm <0.005 ppm
CBD Content*	HPLC	NLT 33 mg/serving	35 mg/serving MU: 0.457 mg/g
THC Content*	HPLC	<0.3%	ND (<0.001%) MU: 0.01%

\*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: 5/26/2022

QA Signature: \_\_\_\_\_

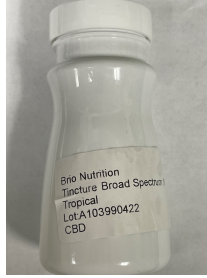
Richard Napierkowski

Date: 5/26/2022



# Certificate of Analysis

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



Overall Batch Results	
Potency <b>PASS</b>	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:** AFSG220511-106  
**Sample ID:** 22AF042872  
**Sample Type:** Hemp  
**Collected Date:**  
**Received Date:** 05/11/2022  
**Batch Size:**  
**Sample Size:**  
**Batch Number:** A103990422  
**COA released:** 05/17/2022 6:37 PM  
**Serving Size:** 1 mL

**Sample Name:** 44948 brio tincture broad spectrum 1000mg tropical

Potency
Date Tested: 05/17/2022 Method: Internal HPLC Method Instrument Type: HPLC

<b>0.00 %</b> Total THC	<b>3.68 %</b> Total CBD	<b>3.76 %</b> Total Cannabinoids	<b>37.62 mg/g</b> Total Cannabinoids	<b>NT</b> Moisture Content
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Analyte	Result mg/g	Result %	LOD %	LOQ %	Result	Units
Cannabichromene (CBC)	ND	ND	0.001	0.005	ND	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)	36.80	3.68	0.001	0.005	34.96	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)	0.82	0.08	0.001	0.005	0.78	mg/svg
Cannabigerolic acid (CBGA)	ND	ND	0.001	0.005	ND	mg/svg
Cannabinol (CBN)	ND	ND	0.001	0.005	ND	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) = 0.457 mg/g  
MOU (d9-THC) = 0.01 %

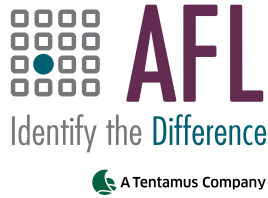
**Certified by:**

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:  
**AFSG220520-129**

Page 1 of 2

**Received Date:** 5/20/2022 5:26:00 PM

**Client Reference:** Order 05-20-22 Brio

**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:** 23.7°C

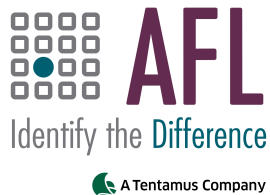
**Comments:**

**22AF046604** 44948 Brio nutrition tincture broad spectrum 1000mg tropical, A103990422

Test	Method Reference	Result	Unit	Approved Date
<i>Aerobic Plate Count</i>				
<b>Aerobic Plate Count</b>	USP <2021>	<10	cfu/g	05/23/2022
<i>E. Coli Count</i>				
<b>E coli Count</b>	USP <2022>	Absent	/10g	05/23/2022
<i>Salmonella</i>				
<b>Salmonella</b>	USP <2022>	Absent	/10g	05/23/2022
<i>Staph aureus Count USP &lt;2022&gt;</i>				
<b>Staph aureus Count</b>	USP <2022>	Absent	/10g	05/23/2022
<i>Yeast &amp; Mold Count - Rapid Petrifilm</i>				
<b>Mold Count</b>	AOAC 2014.05	<10	cfu/g	05/23/2022
<b>Yeast Count</b>	AOAC 2014.05	<10	cfu/g	05/23/2022

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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