

Certificate of Analysis

Product name: Complete Spectrum 40
Lot Number: 083019
Expiration Date: Oct-2025

Date of Manufacture: Oct-22
Country of Origin: USA

Other Ingredients: Plant derived microcrystalline cellulose, plant derived hypromellose.

ORGANOLEPTIC/PHYSICAL ANALYSIS					
Analysis	Specification	Result	Pass/Fail		
Color	Light Green	Conforms	Pass		
Texture	Fine Powder	Conforms	Pass		
Odor	Mild Grassy/Earthy	Conforms	Pass		
Taste	Mild/Bland	Conforms	Pass		
Capsule Gross Weight	NLT 500 mg	Avg = 562 mg	Pass		
MICROBIOLOGICAL ANALYSIS					
Analysis	Specification	Result	Pass/Fail	Method	Date of Analysis
Moisture	<10%	2.60%	Pass	K-F Titration	12/22/2022
Aerobic Plate Count	<10,000 CFU/g	<100 CFU/g	Pass	USP <2021>	12/22/2022
E. Coli	Absent/10 g	Absent/10 g	Pass	USP <2022>	12/22/2022
Salmonella	Absent/10 g	Absent/10 g	Pass	USP <2022>	12/22/2022
Yeast	<1,000 CFU/g	<100 CFU/g	Pass	USP <2021>	12/22/2022
Mold	<1,000 CFU/g	<100 CFU/g	Pass	USP <2021>	12/22/2022
HEAVY METAL ANALYSIS					
Analysis	Specification	Result	Pass/Fail	Method	Date of Analysis
Arsenic	≤ 10 µg daily	<1 µg	Pass	USP <730>	12/13/2022
Beryllium	≤ 0.1 daily	<0.01 µg	Pass	USP <730>	12/13/2022
Cadmium	< 4.1 µg daily	<0.28 µg	Pass	USP <730>	12/13/2022
Chromium	≤ 8.2 µg daily	<0.56 µg	Pass	USP <730>	12/13/2022
Lead	≤ 0.5 µg daily	<0.06 µg	Pass	USP <730>	12/13/2022
Mercury	≤ 15 µg daily	<1 µg	Pass	USP <730>	12/13/2022
CANNABINOIDS					
Analysis	Specification	Result	Pass/Fail	Method	Date of Analysis
Total Cannabinoids	≥4.55%	6.19%	Pass	AOAC 2012.01	12/22/2022
Total THC	<0.3%	0.124%	Pass	AOAC 2012.01	12/22/2022
Total CBD	≥3.47%	5.08%	Pass		12/22/2022

Date: 12/27/22 Signature: 
David Delia, Quality Control Manager

Date: 12-27-22 Signature: 
Rick Janke, Co-cGMP Compliance Officer

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Certificate of Analysis

American BioSciences, Inc.

500 Bradley Hill Road
Blauvelt New York 10913 United States

Sample Name:	Complete Spectrum 40	Eurofins Sample:	12458971
Project ID	AMERI_BIO-20221212-0027	Receipt Date	12-Dec-2022
PO Number	NA	Receipt Condition	Ambient temperature
Lot Number	Lot 083019	Login Date	12-Dec-2022
Sample Serving Size	2 Cap	Date Started	13-Dec-2022
		Sampled	Sample results apply as received
		Number Composited	20

Analysis	Result
Industrial Hemp Cannabinoid Profile	
CBDVA	0.0381 %
CBDV	None detected at detection limit of 0.0008 %
CBDA	3.85 %
CBGA	0.0691 %
CBG	0.0367 %
CBD	1.70 %
THCV	None detected at detection limit of 0.0008 %
CBN	0.0466 %
Delta 9-THC	0.0605 %
Delta 8-THC	None detected at detection limit of 0.0017 %
THCA	0.0721 %
CBC	0.120 %
THCVA	None detected at detection limit of 0.0004 %
CBNA	0.00909 %
CBCA	0.177 %
CBL	0.00611 %
Total Cannabinoids	6.19 %
Total THC (THC + (THCA x 0.877))	0.124 %
Total CBD (CBD + (CBDA x 0.877))	5.08 %
Compliance	Analysis performed for compliance testing
Calculated Sample Weight *	
Entity Weight	0.5621 g
Entity Fill Weight	0.4625 g
Moisture (Karl Fischer method) *	
Karl Fischer Moisture	2.60 %
Aerobic Plate Count *	
Aerobic Plate Count	<100 CFU/g

* This analysis or component is not ISO accredited.

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Project ID	AMERI_BIO-20221212-0027	Receipt Date	12-Dec-2022
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Sample Serving Size	2 Cap	Date Started	13-Dec-2022
		Sampled	Sample results apply as received
		Number Compositied	20

Analysis	Result
E. coli *	
Escherichia Coli	Absent /10 g
Salmonella USP *	
Salmonella	Absent /10 g
Yeast and Mold Count *	
Combined Yeast and Mold Count	<100 CFU/g
Preparatory Testing of Nutritional and Dietary Supplements *	
E. coli Suitability Result	PASS
Salmonella Suitability Result	PASS
Aerobic Plate Suitability Result	Neutralization of the product is not applicable, due to the microbicidal activity of the product, it is not likely to contain specified microorganism
Total Combined Yeast-Molds Count	PASS

Method References	Testing Location
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Aerobic Plate Count (USPC2021)

Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

**Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

Calculated Sample Weight (PREP)

Food Integrity Innovation-Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

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American BioSciences, Inc.

500 Bradley Hill Road
Blauvelt New York 10913 United States

Method References

Testing Location

E. coli (USPE2022)

Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2022.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

**Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.

Industrial Hemp Cannabinoid Profile (IHCBD_CO_S)

Food Integrity Innovation-Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC 2018.11, AOAC International, Gaithersburg, MD (Modified).

Moisture (Karl Fischer method) (KFMO_S)

Food Integrity Innovation-Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

The United States Pharmacopeial Convention, Rockville, MD (Current Version), (Modified).

Preparatory Testing of Nutritional and Dietary Supplements (USPC_PT)

Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPE_PT)

Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPM_PT)

Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPS_PT)

Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Salmonella USP (USPS2022)

Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2022.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

**Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.

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500 Bradley Hill Road
Blauvelt New York 10913 United States

Method References

Testing Location

Yeast and Mold Count (USPM2021)

Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

**Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

Testing Location(s)

Released on Behalf of Eurofins by

Food Integrity Innovation-Madison

**Edward Ladwig - President Eurofins Food
Chemistry Testing Madison**

Eurofins Food Chemistry Testing Madison, Inc.
6304 Ronald Reagan Ave
Madison WI 53704
800-675-8375



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Analytical Report

December 15, 2022

David Delia
American BioSciences, Inc.
560 Bradley Hill Rd
Suite #4
Blauvelt, NY 10913

Page 1 of 1
WO Number: W22L0182

Client: American BioSciences, Inc.
Client #: A6370
Sample Type: Capsule
Collector: Client

Customer PO: 12/07/22
Date Received: 12/08/2022
Date Completed: 12/13/2022
Discard Date: 12/27/2022

CSL#: 22L0442 Complete Spectrum 40 - Lot#: 083019

Parameter	Result	PQL	Method	Date	Instrument	Analyst
Arsenic	<0.50 ug/g	0.50	USP<730>/KED	12/12/22	7900-2	PGA
Beryllium	<0.01 ug/g	0.01	USP<730>	12/12/22	7900	MJT
Cadmium	<0.25 ug/g	0.25	USP<730>	12/12/22	7900-2	PGA
Chromium	<0.50 ug/g	0.50	USP<730>/KED	12/12/22	7900-2	PGA
Lead	<0.050 ug/g	0.050	USP<730>	12/09/22	7900-2	RBP
Mercury	<0.10 ug/g	0.10	USP<730>	12/12/22	7900-2	PGA

CSL#: 22L0442

Parameter	Result	Serving Size	Unit Weight	Specification
Arsenic	<1 ug/serving	2 Capsules	0.56 g	<10 ug/serving
Beryllium	<0.01 ug/serving	2 Capsules	0.56 g	<0.10 ug/serving
Cadmium	<0.28 ug/serving	2 Capsules	0.56 g	<4.10 ug/serving
Chromium	<0.56 ug/serving	2 Capsules	0.56 g	<8.20 ug/serving
Lead	<0.06 ug/serving	2 Capsules	0.56 g	<0.50 ug/serving
Mercury	<1 ug/serving	2 Capsules	0.56 g	<15 ug/serving

Reviewed and Approved,
SGS Chemical Solutions Laboratories, Inc.

DocuSigned by:
Emely Jimenez
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Quality Assurance

Notes:

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The units for the PQL are the same as those shown for the result.