

Certificate of Analysis

Matrix Nation, LLC

30 N Gould st
Ste R
Sheridan Wyoming 82801 United States

Sample Name:	Collagen - Unflavored	Eurofins Sample:	
Project ID		Receipt Date	28-Apr-2026
PO Number	Prepay	Receipt Condition	Ambient temperature
Lot Number	I22060405	Login Date	05-Apr-2026
Sample Serving Size	11 g	Date Started	30-Apr-2026
Description	Non-GMO grass-fed collagen unflavored content verification	Sampled	Sample results apply as received
		Online Order	

Analysis	Result
DNA Extraction - Qualitative PCR *	
DNA Extraction	DNA Extraction - Qualitative PCR
PCR Qualitative-Agro Border II *	
Agro Border II	Negative
PCR Qualitative-CaMV 35S Promoter *	
CaMV 35S Promoter	Negative
PCR Qualitative-NOS Terminator *	
NOS Terminator	Negative
Weigh Out for DNA Extraction *	
Weigh Out for DNA Extraction	Weigh Out for DNA Extraction
Amino Acids	
Glutamic Acid	1140 mg/Serving Size
Collagen (Calculated from hydroxyproline using a conversion factor of 8)	9810 mg/Serving Size
Alanine	953 mg/Serving Size
Aspartic Acid	581 mg/Serving Size
Cystine	<1.10 mg/Serving Size
Glycine	2380 mg/Serving Size
Arginine	787 mg/Serving Size
Methionine	72.7 mg/Serving Size
Phenylalanine	152 mg/Serving Size
Serine	315 mg/Serving Size
Threonine	178 mg/Serving Size
Valine	227 mg/Serving Size
Hydroxyproline	1230 mg/Serving Size
Tyrosine	31.0 mg/Serving Size
Histidine	114 mg/Serving Size
Proline	1350 mg/Serving Size
Isoleucine	141 mg/Serving Size
Leucine	276 mg/Serving Size
Lysine	421 mg/Serving Size
Qualitative USDA BE Package *	

* This analysis or component is not ISO accredited.

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Analysis	Result
Qualitative USDA BE Package *	
Qualitative USDA BE Package	Qualitative USDA BE Package

Method References	Testing Location
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Amino Acids (TAALC_S)	Food Integrity Innovation-Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA
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R. Schuster, "Determination of Amino Acids in Biological, Pharmaceutical, Plant and Food Samples by Automated Precolumn Derivatization and HPLC", Journal of Chromatography, 1988, 431, 271-284.

Henderson, J.W., Ricker, R.D. Bidlingmeyer, B.A., Woodward, C., "Rapid, Accurate, Sensitive, and Reproducible HPLC Analysis of Amino Acids, Amino Acid Analysis Using Zorbax Eclipse-AAA columns and the Agilent 1100 HPLC," Agilent Publication, 2000. Barkholt and Jensen, "Amino Acid Analysis: Determination of Cysteine plus Half-Cystine in Proteins after Hydrochloric Acid Hydrolysis with a Disulfide Compound as Additive", Analytical Biochemistry, 177, 318-322 (1989).

Henderson, J.W., Brooks, A., "Improved Amino Acid Methods using Agilent Zorbax Eclipse Plus C18 Columns for a Variety of Agilent LC Instrumentation and Separation Goals," Agilent Application Note 5990-4547 (2010).

DNA Extraction - Qualitative PCR (E_DNA_EXT)	Eurofins GeneScan 2219 Lakeshore Drv Suite 400 New Orleans, LA 70122 USA
PCR Qualitative-Agro Border II (E_AGR_B_II)	Eurofins GeneScan 2219 Lakeshore Drv Suite 400 New Orleans, LA 70122 USA
PCR Qualitative-CaMV 35S Promoter (E_CAMV_35S)	Eurofins GeneScan 2219 Lakeshore Drv Suite 400 New Orleans, LA 70122 USA
PCR Qualitative-NOS Terminator (E_NOS_TERM)	Eurofins GeneScan 2219 Lakeshore Drv Suite 400 New Orleans, LA 70122 USA
Qualitative USDA BE Package (GMO_QUAL)	Eurofins GeneScan 2219 Lakeshore Drv Suite 400 New Orleans, LA 70122 USA
Weigh Out for DNA Extraction (E_DNA_WO)	Eurofins GeneScan 2219 Lakeshore Drv Suite 400 New Orleans, LA 70122 USA

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Testing Location(s)

Authorized 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



2918.01

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Certificate of Analysis

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Sample Name:	Collagen - Unflavored	Eurofins Sample:	
Project ID		Receipt Date	11-Feb-2026
PO Number	prepaid	Receipt Condition	Ambient temperature
Lot Number	I22050927	Login Date	01-Feb-2026
Sample Serving Size	11 g	Date Started	16-Feb-2026
Description	Non-GMO grass-fed collagen unflavored	Sampled	Sample results apply as received
		Number Composited	17
		Online Order	

Analysis	Percent of Label Claim	Specifications	Result
Aerobic Plate Count *			
Aerobic Plate Count			<100 CFU/g
E. coli *			
Escherichia Coli			Absent /10 g
Enterobacteriaceae (Bile-Tolerant Gram-Negative Bacteria) *			
Enterobacterial Count			<10 MPN
Enterobacterial Count			<10 MPN
Enterobacterial Count			<10 MPN /g
Salmonella USP *			
Salmonella			Absent /10 g
Staphylococcus *			
Staphylococcus Aureus			Absent /10 g
Yeast and Mold Count *			
Combined Yeast and Mold Count			<100 CFU/g
Preparatory Testing of Nutritional and Dietary Supplements *			
Staphylococcus Suitability Result			PASS
Salmonella Suitability Result			PASS
Total Combined Yeast-Molds Count			PASS
E. coli Suitability Result			PASS
Aerobic Plate Suitability Result			PASS
Bile-Tolerant Gram-Neg Bacteria Suitability Result			PASS
Elements by ICP Mass Spectrometry			
Chromium *			121 ppb
Arsenic			21.6 ppb
Cadmium			<5.00 ppb

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Analysis	Percent of Label Claim	Specifications	Result
Elements by ICP Mass Spectrometry			
Lead	<500%	1 ppb	<5.00 ppb
Mercury	<0.0000000500%	1 ppb	<5.00 ppb

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.**

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.**

Elements by ICP Mass Spectrometry (ICP_MS_S)

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

Official Methods of Analysis, Methods 2011.19 and 993.14, and 2015.01, AOAC INTERNATIONAL, (Modified).

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Method References

Testing Location

Enterobacteriaceae (Bile-Tolerant Gram-Negative Bacteria) (USPN2021)

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.

Preparatory Testing of Nutritional and Dietary Supplements (USPA_PT)

Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

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 (USPN_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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Method References

Testing Location

Staphylococcus (USPA2022)

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.

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)

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Edward Ladwig - President Eurofins Food Chemistry Testing Madison

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