

## Certificate of Analysis

### SRK Nutritionals LLC

208 Blydenburgh Rd  
Unit D  
Islandia New York 11749 United States

<b>Sample Name:</b>	<b>New Sample 1</b>	<b>Eurofins Sample:</b>	<b>14890345</b>
<b>Project ID</b>	SRK_NUT-20250115-0002	<b>Receipt Date</b>	21-Jan-2025
<b>PO Number</b>	n/a	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	0224135	<b>Login Date</b>	15-Jan-2025
<b>Sample Serving Size</b>	7 mg	<b>Date Started</b>	27-Jan-2025
<b>Description</b>	BLUE RENEW CAPSULES	<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	901-2025-E003441

Analysis	Result
<b>Amino Acids</b>	
Hydroxyproline	0.336 mg/Serving Size
Collagen (Calculated from hydroxyproline using a conversion factor of 8)	2.69 mg/Serving Size
<b>Free amino acids</b>	
Glycine	1.03 mg/Serving Size
<b>N-Acetyl-L-Cysteine *</b>	
N-Acetyl-L-Cysteine	1.14 mg/Serving Size
<b>Creatine *</b>	
Creatine Monohydrate	0.00110 g/Serving Size
Creatinine	<0.000035 g/Serving Size
<b>Aerobic Plate Count *</b>	
Aerobic Plate Count	<100 CFU/g
<b>E. coli *</b>	
Escherichia Coli	Absent /10 g
<b>Enterobacteriaceae (Bile-Tolerant Gram-Negative Bacteria) *</b>	
Enterobacterial Count	<10 MPN MPN/g
<b>Salmonella USP *</b>	
Salmonella	Absent /10 g
<b>Staphylococcus *</b>	
Staphylococcus Aureus	Absent /10 g
<b>Yeast and Mold Count *</b>	
Combined Yeast and Mold Count	<100 CFU/g
<b>Preparatory Testing of Nutritional and Dietary Supplements *</b>	
Staphylococcus Suitability Result	PASS
Bile-Tolerant Gram-Neg Bacteria Suitability Result	PASS
Aerobic Plate Suitability Result	PASS
Total Combined Yeast-Molds Count	PASS
Salmonella Suitability Result	PASS
E. coli Suitability Result	PASS
<b>Elements by ICP Mass Spectrometry</b>	
Mercury	<5.00 ppb

\* This analysis or component is not ISO accredited.

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Analysis	Result
<b>Elements by ICP Mass Spectrometry</b>	
Lead	10.4 ppb
Cadmium	5.45 ppb
Arsenic	133 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.

#### Amino Acids (TAALC\_S)

**Food Integrity Innovation-Madison**

6304 Ronald Reagan Ave Madison, WI 53704 USA

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).

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#### Method References

#### Testing Location

##### Creatine (CREA\_S)

##### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Creatine and Creatinine by high performance liquid chromatography (HPLC) with UV detection.  
Analytical Biochemistry 214, pp. 278-283 (1993)

##### E. coli (USPE2022)

##### Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2022.

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##### 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).

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

##### Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2021.

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##### Free amino acids (FAALC\_S)

##### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

R. Schuster, "Determination of Amino Acids in Biological, Pharmaceutical, Plant and Food Samples by Automated Precolumn Derivatization and HPLC", *Journal of Chromatography*, 431:271-284 (1988).

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.

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#### Method References

#### Testing Location

##### N-Acetyl-L-Cysteine (NAC\_S)

United States Pharmacopeia, Thirty-Second Revision, page 1423, United States Pharmacopeial Convention, Inc.: Rockville, Maryland (2009). (Modified)

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

##### 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)

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6304 Ronald Reagan Ave Madison, WI 53704 USA

##### Preparatory Testing of Nutritional and Dietary Supplements (USPN\_PT)

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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)

USP Current revision, Chapter 2022.

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

##### Staphylococcus (USPA2022)

USP Current revision, Chapter 2022.

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#### 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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