

## Certificate of Analysis

|                         |                                  |
|-------------------------|----------------------------------|
| <b>Eurofins Sample:</b> | <b>12532650</b>                  |
| Receipt Date            | 11-Jan-2023                      |
| Receipt Condition       | Ambient temperature              |
| Login Date              | 10-Jan-2023                      |
| Date Started            | 11-Jan-2023                      |
| Sampled                 | Sample results apply as received |
| Online Order            | 901-2023-E001537                 |

| Analysis  | Result                  |
|---|-------------------------|
| <b>Moisture (Karl Fischer method) *</b>   |                         |
| Karl Fischer Moisture   | 11.6 %                  |
| <b>Content of Chondroitin Sulfate Sodium *</b>                                    |                         |
| Chondroitin Sulfate Sodium Salt   | 962 mg/g (on Dry Basis) |
| <b>Determination of Chondroitin Sulfate by Enzymatic UPLC - Default *</b>         |                         |
| Chondroitin disaccharide di-4S sodium salt  | 479 mg/g                |
| Chondroitin disaccharide di-6S sodium salt  | 105 mg/g                |
| Chondroitin disaccharide di-0S sodium salt  | 42.2 mg/g               |
| Total Chondroitin Disaccharides   | 626 mg/g                |
| Chondroitin Sulfate A (Equivalent to USP Chondroitin Sulfate Reference Standard)  | 554 mg/g                |
| Chondroitin Sulfate C (Equivalent to USP Chondroitin Sulfate Reference Standard)  | 121 mg/g                |
| Nonsulfate Chondroitin (Equivalent to USP Chondroitin Sulfate Reference Standard) | 48.8 mg/g               |
| Total Chondroitins (Equivalent to USP Chondroitin Sulfate Reference Standard)     | 724 mg/g                |
| <b>Coagulase Positive Staph. *</b>  |                         |
| Staphylococcus aureus   | <10 CFU/g               |
| <b>Yeast and Mold Analysis by Petrifilm *</b>                                     |                         |
| Yeast Count   | <10 CFU/g               |
| Mold Count  | <10 CFU/g               |
| <b>Aerobic Plate Count *</b>  |                         |
| Standard Plate Count  | <10 CFU/g               |
| <b>Elements by ICP Mass Spectrometry</b>  |                         |
| Mercury   | <5.00 ppb               |
| Cadmium   | <5.00 ppb               |
| Arsenic   | <10.0 ppb               |
| Lead  | 27.5 ppb                |
| <b>Coliform Count *</b>   |                         |
| Coliform Plate Count  | <10 CFU/g               |

### Method References

### Testing Location

Aerobic Plate Count (APCPET)

**EML New Berlin**  
2345 S 170th St New Berlin, WI 53151 USA

\* This analysis or component is not ISO accredited.

Printed: 26-Jan-2023 11:13 pm

Page 1 of 3

## Certificate of Analysis



### Method References

### Testing Location

#### Aerobic Plate Count (APCPET)

AOAC 990.12

#### EML New Berlin

2345 S 170th St New Berlin, WI 53151 USA

#### Coagulase Positive Staph. (STAPHPC)

Bennett, R. W., and Lancette, G. A., "Chapter 12 - *Staphylococcus aureus*," *Bacteriological Analytical Manual*, Eighth Ed., Revision A, U. S. Food and Drug Administration: Silver Spring, MD (1998), Revised Jan 2001. (Modified).

#### EML New Berlin

2345 S 170th St New Berlin, WI 53151 USA

#### Coliform Count (COLIPC)

Compendium of Methods for the Microbiological Examination of Foods: Enterobacteriaceae, Coliforms, and *Escherichia coli* as Quality and Safety Indicators, Chapter 8, 4th Edition, 2001.

#### EML New Berlin

2345 S 170th St New Berlin, WI 53151 USA

#### Content of Chondroitin Sulfate Sodium (OC\_CHON\_S)

The United States Pharmacopeia, 40th Revision, USP Convention, Inc.: Rockville, MD (2017).

#### Food Integrity Innovation-Brea

2951 Saturn Street, Unit C Brea, CA 92821 USA

#### Determination of Chondroitin Sulfate by Enzymatic UPLC - Default (OC\_CHENZ\_S)

AOAC 2015.11 (modified)

#### Food Integrity Innovation-Brea

2951 Saturn Street, Unit C Brea, CA 92821 USA

#### Elements by ICP Mass Spectrometry (ICP\_MS\_S)

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

#### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

#### Moisture (Karl Fischer method) (OC\_KFMO\_S)

The United States Pharmacopeia, Fortieth Revision, <921>, Method 1a, The United States Pharmacopeial Convention, Rockville, MD (2017).

#### Food Integrity Innovation-Brea

2951 Saturn Street, Unit C Brea, CA 92821 USA

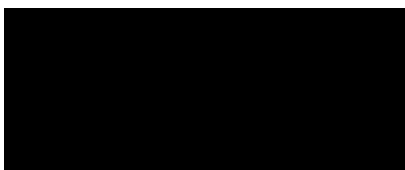
#### Yeast and Mold Analysis by Petrifilm (YMPET)

AOAC 997.02

#### EML New Berlin

2345 S 170th St New Berlin, WI 53151 USA

## Certificate of Analysis

**Testing Location(s)****Released on Behalf of Eurofins by****Food Integrity Innovation-Brea****Jason Mulligan - President Eurofins Botanical  
Testing Brea**Eurofins Food Chemistry Testing US, Inc.  
2951 Saturn Street  
Unit C  
Brea CA 92821  
800-675-8375**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

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins. Measurement uncertainty for individual analyses can be obtained upon request.