

**Hydrolyzed Cartilage - Certificate of Analysis**  
**Cartilage Hydrolysé - Bulletin d'Analyse**



Type / Product name : Peptan® Ilm B  
 Batch number: 2992623

Date : August 12, 2021  
 Production date : 07/2021  
 Best before : 07/2024

This product meets the requirements of the European Regulations (EC) N°853/2004 and N°2073/2005 and the European regulation (EC) N°629/2008 on contaminants (dietary supplements).

| TESTS                                      | UNITS | SPECIFICATIONS | VALUES         |
|--|-------|----------------|----------------|
| <b>PHYSICO-CHEMICAL LIMITS</b>             |       |                |                |
| Typical average Molecular Weight (Mw)      | Da    | 1500-3000      | Compliant      |
| Collagen Content                           | %     | 55-70          | Compliant      |
| Chondroitin Sulfate                        | %     | ≥ 12           | ≥ 12           |
| GaGe                                       | %     | 12-25          | 12-25          |
| Viscosity (20 % - 25° C)                   | mPa.s | 6.0 - 13.0     | 12.9           |
| pH (55°C, 6.67%)                           |       | 5.0 - 6.5      | 6.1            |
| Loss on drying (106°C, 17 h)               | %     | ≤ 10           | 6.8            |
| Residue on Ignition (550°C)                | %     | ≤ 10.0         | 6.7            |
| Sulfites (as SO <sub>2</sub> )             | ppm   | ≤ 10           | ≤ 10           |
| Peroxides (H <sub>2</sub> O <sub>2</sub> ) | ppm   | ≤ 10           | ≤ 10           |
| <b>HEAVY METALS LIMITS</b>                 |       |                |                |
| Arsenic (As)                               | ppm   | ≤ 1.0          | ≤ 1.0          |
| Cadmium (Cd)                               | ppm   | ≤ 0.5          | ≤ 0.5          |
| Chromium (Cr)                              | ppm   | ≤ 10           | ≤ 10           |
| Copper (Cu)                                | ppm   | ≤ 30           | ≤ 30           |
| Mercury (Hg)                               | ppm   | ≤ 0.10         | ≤ 0.10         |
| Lead (Pb)                                  | ppm   | ≤ 1            | ≤ 1            |
| Zinc (Zn)                                  | ppm   | ≤ 50           | ≤ 50           |
| <b>MICROBIOLOGICAL LIMITS</b>              |       |                |                |
| Total aerobic microbial count              | CFU/g | ≤ 1000         | ≤ 1000         |
| Total yeast and molds count                | CFU/g | ≤ 100          | ≤ 100          |
| E.coli                                     |       | Absence in 10g | Absence in 10g |
| Salmonella                                 |       | Absence in 25g | Absence in 25g |
| Anaerobic sulphite-reducing spores         | CFU/g | ≤ 10           | ≤ 10           |

**Quality Assurance Validation**

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Signature :

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**DARLING**