

**WEISHARDT International**Rond-Point Georges JOLIMAITRE – BP 259  
81305 GRAULHET CEDEX (FRANCE)

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**CERTIFICATE OF ANALYSIS**

Weishardt Group

|                                                          |                                                |
|----------------------------------------------------------|------------------------------------------------|
| CUSTOMER :<br><b>GM CHEM - SLOVAKIA</b>                  | YOUR ORDER :<br><b>252000223</b>               |
|                                                          | OUR REFERENCE :<br><b>SO 76922</b>             |
| QUALITY :<br><b>NATICOL HPMG - PREMIUM FISH COLLAGEN</b> | ARTICLE :<br><b>*G1002990*</b>                 |
| BATCH :<br><b>083254149</b>                              | QUANTITY :<br><b>2400 KG</b>                   |
| PREPARATION DATE :<br><b>05/2025</b>                     | DATE OF MINIMUM DURABILITY :<br><b>05/2030</b> |

| PHYSICO-CHEMICAL CHARACTERISTICS               | RESULT  | UNIT    | SPECIFICATION   |
|------------------------------------------------|---------|---------|-----------------|
| Protein (*)                                    | ≥ 93    | %       | min 93          |
| Average molecular weight (*)                   | 4000    | Da      | 4000            |
| Viscosity (20%, 25°C)                          | 72,6    | mp      | 60 – 100        |
| pH                                             | 6,56    | -       | 5,6 – 7,0       |
| Conductivity (1%, 30°C)                        | 0,108   | mS/cm   | max 1           |
| Moisture                                       | 6,1     | %       | max 7           |
| Taste                                          | conform | -       | neutral         |
| Odor                                           | conform | -       | neutral         |
| Ash (550°C) (*)                                | ≤ 2     | %       | max 2           |
| SO <sub>2</sub> (*)                            | ≤ 10    | mg/kg   | max 10          |
| H <sub>2</sub> O <sub>2</sub> (*)              | ≤ 10    | mg/kg   | max 10          |
| Arsenic (*)                                    | ≤ 1     | mg/kg   | max 1           |
| Cadmium (*)                                    | ≤ 0,5   | mg/kg   | max 0,5         |
| Chromium (*)                                   | ≤ 10    | mg/kg   | max 10          |
| Copper (*)                                     | ≤ 30    | mg/kg   | max 30          |
| Iron (*)                                       | ≤ 30    | mg/kg   | max 30          |
| Lead (*)                                       | ≤ 5     | mg/kg   | max 5           |
| Mercury (*)                                    | ≤ 0,15  | mg/kg   | max 0,15        |
| Zinc (*)                                       | ≤ 30    | mg/kg   | max 30          |
| Particle size                                  | conform | -       | microgranulated |
| MICROBIOLOGICAL CHARACTERISTICS                | RESULT  | UNIT    | SPECIFICATION   |
| Total aerobic microbial count                  | <10     | in 1 g  | max 1000        |
| E. coli                                        | absent  | in 10 g | absence         |
| Sulfite-reducing sporulated anaerobic bacteria | absent  | in 1 g  | max 10          |
| Salmonella                                     | absent  | in 25 g | absence         |
| Yeasts and Moulds                              | <10     | in 1 g  | max 100         |

Parameters with an asterisk (\*) are analysed according to a periodic analysis plan.

Collagen issued from fish skins.

Quality conform to the European Pharmacopea, to the American Pharmacopea USP/NF, to the requirements of regulation (EC) N° 853/2004, N° 2073/2005, N°1069/2009 and to the "GME standard code bacteriological specification food grade gelatine".

**QUALITY CONTROL MANAGER**  
Olivier ROBERT

Date : **June 25, 2025**

**HEADQUARTERS : Weishardt International**

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