

|   |                                 |             |
|---|---------------------------------|-------------|
|  | <b>CERTIFICAT DE CONFORMITE</b> | DATE        |
|   |                                 | 03/06/19    |
|   |                                 | VERSION N°1 |

POUR LE CLIENT

NUV

NOVOMA SARL  
 BATIMENT ZEPHYR AVENUE BERNARD  
 31 400 TOULOUSE

Je soussigné M.WACRENIER, Président de Laboratoire PHYTOCOSMA SAS certifie que le produit cité ci-après est conforme aux spécifications établies.

Nous vous rappelons qu'il vous appartient de vérifier les conditions de distribution et d'utilisation de ces produits conformément à la législation en vigueur.

|                     |                          |
|---------------------|--------------------------|
| Code interne        | NUVCOL01                 |
| Désignation interne | COLLAGENE MARIN 90 GVT0T |

|                    |                 |
|--------------------|-----------------|
| Code client        | 3 052351 247945 |
| Désignation client | COLLAGENE MARIN |

|               |        |              |                   |
|---------------|--------|--------------|-------------------|
| Numéro de lot | D17349 | Numéro de BL | 21258+21260+21267 |
|---------------|--------|--------------|-------------------|

|                     |               |     |         |
|---------------------|---------------|-----|---------|
| Date de fabrication | 03+04/06/2024 | DDM | 06/2027 |
|---------------------|---------------|-----|---------|

|                            |   |
|----------------------------|---|
| Conditions de conservation | A conserver à l'abri de l'oxygène et de la lumière à une température comprise entre 15 et 25°C dans son emballage d'origine |
|----------------------------|---|

|  |     |
|--|-----|
| Le produit contient de(s) Allergène(s) | Oui |
|--|-----|

Liste des allergène(s) dans le produit

Poisson et produits dérivées

|                                      |     |
|--------------------------------------|-----|
| Le produit contient de(s) Additif(s) | Non |
|--------------------------------------|-----|

Liste de(s) additif(s) dans le produit

Non applicable

|                    |     |
|--------------------|-----|
| Le produit est BIO | Non |
|--------------------|-----|

(\*Produit issu de l'agriculture biologique FR-BIO-01 et process conforme à la fabrication de produits biologiques)

|                         |     |                       |     |
|-------------------------|-----|-----------------------|-----|
| Le produit est sans OGM | Oui | Le produit est Ionisé | Non |
|-------------------------|-----|-----------------------|-----|

|                            |     |
|----------------------------|-----|
| Le produit est sans Gluten | Non |
|----------------------------|-----|

|                     |     |                     |     |
|---------------------|-----|---------------------|-----|
| Conforme Végétarien | Non | Conforme Végétalien | Non |
|---------------------|-----|---------------------|-----|

|                |     |                 |     |
|----------------|-----|-----------------|-----|
| Conforme Halal | Oui | Conforme Casher | Oui |
|----------------|-----|-----------------|-----|

**CONDITIONNEMENT PRODUIT**

|                         |                   |         |              |
|-------------------------|-------------------|---------|--------------|
| Type de produit         | Gélules HPMC      | Couleur | Transparente |
| PV interne gélules      | 25550+25522       | Taille  | Taille 0     |
| Lot Fournisseur gélules | 1-000759+1-000776 | Dosage  | 466,5MG      |

|                         |           |                    |        |
|-------------------------|-----------|--------------------|--------|
| Type de conditionnement | Piluliers | Quantité par colis | 162*50 |
| Quantité conditionnée   | 15000     | Cartons incomplets | 58*119 |

Autres (dont fond de bol)

|  |
|--|
|  |
|--|

**COMPOSITION PRODUIT**

| INGREDIENT(S)             | DOSAGE | PV interne        | N°LOT FOURNISSEUR   |
|---------------------------|--------|-------------------|---------------------|
| Collagène marin           | 333mg  | 25511+25581+25610 | 083234185+083234070 |
| Acide Hyaluronique        | 33mg   | 25593             | HA2024021621X       |
| Vitamine C quali          | 27mg   | 25029             | HPB2302095          |
| Vitamine E mix tocophenol | 40mg   | 25237             | CON2400020          |
| Bisglycinate de zinc      | 16,5mg | 25504             | 20230629            |
| Vitamine B6 bioactive     | 1,4mg  | 25129             | LOT00003401         |
| Biotine                   | 0,15mg | 24980             | 0522110029          |
| Amidon de riz             | 15mg   | 25343             | 2320341590          |
|                           |        |                   |                     |
|                           |        |                   |                     |
|                           |        |                   |                     |
|                           |        |                   |                     |
|                           |        |                   |                     |
|                           |        |                   |                     |
|                           |        |                   |                     |
|                           |        |                   |                     |

12/06/24

Service qualité

PHYTOSMA Laboratoires  
23 Route du Burgaud  
82600 AUCAMVILLE  
Tél. : 05 63 02 71 07  
phytocosma@orange.fr  
SAS au capital de 13 720 41 euros  
RCS MONTAUBAN 432 694 354



**WEISHARDT International**  
Rond-Point Georges JOLIMAITRE – BP 259  
81305 GRAULHET CEDEX (FRANCE)  
Tel. +33 (0)5 63 42 14 41  
Fax. +33 (0)5 63 42 35 18



Exclusive distribution **Natural**

**CERTIFICATE OF ANALYSIS**  
Weishardt Group

|  |  |
|--|--|
| CUSTOMER :<br><b>NATURAL FUNCTIONAL INGREDIENTS - FRANCE</b>                     | YOUR ORDER :<br><b>CF00011203</b>              |
|  | OUR REFERENCE :<br><b>73157 SO</b>             |
| QUALITY :<br><b>NATICOL® 1000 – MARINE COLLAGEN</b><br><b>FRIEND OF THE SEA®</b> | ARTICLE :<br><b>*G1003241*</b>                 |
| BATCH :<br><b>083234185</b>  | QUANTITY :<br><b>2000 KG</b>                   |
| PREPARATION DATE :<br><b>12/2023</b>   | DATE OF MINIMUM DURABILITY :<br><b>12/2028</b> |

| PHYSICO-CHEMICAL CHARACTERISTICS               | RESULT  | UNIT              | SPECIFICATION |
|--|---------|-------------------|---------------|
| Protein (*)                                    | ≥ 93    | %                 | min 93        |
| Average molecular weight (*)                   | 2000    | Da                | 2000          |
| Density  | conform | g/cm <sup>3</sup> | 0,43 – 0,49   |
| Viscosity (20%, 25°C)                          | 37,7    | mp                | 20 – 40       |
| pH   | 6,58    | -                 | 5,6 – 7,0     |
| Conductivity (1%, 30°C)                        | 0,199   | mS/cm             | max 1         |
| Moisture                                       | 5,5     | %                 | 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 (*)                                       | ≤ 3     | mg/kg             | max 3         |
| Mercury (*)                                    | ≤ 0,1   | mg/kg             | max 0,1       |
| Zinc (*)                                       | ≤ 30    | mg/kg             | max 30        |
| Particle size                                  | conform | -                 | fine powder   |
| 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.

Mainty Type I collagen & contains Type III in small quantities.

Sustainable certified hydrolysed collagen issued from fish skins.

Quality conform to the current European Pharmacopea, to the current United States Pharmacopea (USP/NF), to the requirements of regulation (EC) N° 853/2004, N° 2073/2005, to the “GME standard code bacteriological specification food grade gelatine” and to your requirements.

This collagen is certified Friend of the Sea®.

The use of the Trade Mark Friend of the Sea® pre-supposes that the user has first obtained Weishardt and Friend of the Sea® licensing agreement.

**QUALITY CONTROL MANAGER**  
Olivier ROBERT

Date : **January 31, 2024**

**HEADQUARTERS : Weishardt International**

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Exclusive distribution **Natural**

**CERTIFICATE OF ANALYSIS**  
Weishardt Group

|  |   |
|--|---|
| CUSTOMER :<br><b>NATURAL FUNCTIONAL INGREDIENTS - FRANCE</b>                     | YOUR ORDER :<br><b>CF00010848</b>           |
|  | OUR REFERENCE :<br><b>72634 SO</b>          |
| QUALITY :<br><b>NATICOL® 1000 – MARINE COLLAGEN</b><br><b>FRIEND OF THE SEA®</b> | ARTICLE :<br><b>*G1003241*</b>              |
| BATCH : <b>083234070</b>   | QUANTITY : <b>460 kg</b>                    |
| PREPARATION DATE : <b>05/2023</b>  | DATE OF MINIMUM DURABILITY : <b>05/2028</b> |

| PHYSICO-CHEMICAL CHARACTERISTICS               | RESULT  | UNIT    | SPECIFICATION |
|--|---------|---------|---------------|
| Protein (*)                                    | ≥ 93    | %       | min 93        |
| Average molecular weight (*)                   | 2000    | Da      | 2000          |
| Viscosity (20%, 25°C)                          | 40,0    | mp      | 20 – 40       |
| pH   | 6,53    | -       | 5,6 – 7,0     |
| Conductivity (1%, 30°C)                        | 0,210   | mS/cm   | max 1         |
| Moisture                                       | 3,9     | %       | 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 (*)                                       | ≤ 3     | mg/kg   | max 3         |
| Mercury (*)                                    | ≤ 0,1   | mg/kg   | max 0,1       |
| Zinc (*)                                       | ≤ 30    | mg/kg   | max 30        |
| Particle size                                  | conform | -       | fine powder   |
| 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.

Mainly Type I collagen & contains Type III in small quantities.

Sustainable certified 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, to the "GME standard code bacteriological specification food grade gelatine".

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**QUALITY CONTROL MANAGER**  
Olivier ROBERT

Date : **November 21, 2023**

**HEADQUARTERS : Weishardt International**

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# VC Ascorbic Acid 100 mesh 95%



## *Coversheet for Certificate of Analysis*

Productcode : 5015842  
Lot No. : HPB2302095  
Analysis No. : 75782196

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CfC Number : 05162851  
Articlecode : 5015842368  
Sales Name : VC Ascorbic Acid 100 mesh 95%,25KG BAL  
Manufacturing Date : 18-FEB-2023  
Best Use Before Date : 17-FEB-2026  
Delivery Note No. 8322183259  
Destination : Germany  
Customer Ref. No : P22-20561/000\_5  
Customer Article No:  
Customer Name: MDC GmbH  
Zum Reiherhorst  
Stelle

Article desc. CoA  
Comment

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# VC Ascorbic Acid 100 mesh 95%,25KG BAL

## CERTIFICATE OF ANALYSIS

|              |              |                    |             |
|--------------|--------------|--------------------|-------------|
| Productcode  | : 5015842368 | Batch Size         | : 3,000KG   |
| Lot No.      | : HPB2302095 | Manufacturing Date | : 18.2.2023 |
| Analysis No. | : 75782196   | Best use before    | : 17.2.2026 |
| Report Date  | : 24.2.2023  |                    |             |

| Test                               | Result     | Limits/Specification   | Dimension/Units |
|------------------------------------|------------|--|-----------------|
| *Appearance                        | Correspond | White or almost white, crystal or crystalline powder                                   |                 |
| Solubility                         | Correspond | Freely soluble in water, slightly soluble in ethanol, insoluble in ether or chloroform |                 |
| Identification A                   | Positive   | Positive   |                 |
| Identification B                   | Correspond | IR   |                 |
| *Melting Point                     | 191        | 190 - 192  | °C              |
| *Specific Optical Rotation         | 20.9       | 20.5 - 21.5  | °               |
| *Clarity and Color of Solution     | Correspond | Clear, not more intensely than BY7   |                 |
| *pH(2%, W/V)                       | 2.6        | 2.4 - 2.8  |                 |
| *pH(5%, W/V)                       | 2.4        | 2.2 - 2.5  |                 |
| Loss on Drying                     | < 0.1      | <= 0.1   | %               |
| Residue on Ignition                | < 0.1      | <= 0.1   | %               |
| Arsenic(as As)                     | < 1.0      | <= 1.0   | ppm             |
| Heavy Metals (as Pb)               | Correspond | <=0.0003%  |                 |
| Lead                               | < 1.0      | <= 1.0   | ppm             |
| Mercury                            | < 0.5      | <= 0.5   | ppm             |
| Iron                               | < 2        | <= 2   | ppm             |
| Copper                             | < 3        | <= 3   | ppm             |
| Oxalic Acid                        | Correspond | <=0.2%   |                 |
| Residual Solvents(as methanol)     | < 250      | <= 250   | ppm             |
| *Assay                             | 99.8       | 99.0 - 100.5   | %               |
| Total Plate Counts                 | < 1000     | <= 1000  | CFU/g           |
| Yeasts & Moulds                    | < 100      | <= 100   | CFU/g           |
| Escherichia.Coli                   | Correspond | Absence in 1g  |                 |
| Salmonella                         | Correspond | Absence in 25g   |                 |
| Staphylococcus Aureus              | Correspond | Absence in 25g   |                 |
| Impurity C                         | < 0.15     | <= 0.15  | %               |
| Impurity D                         | < 0.15     | <= 0.15  | %               |
| Unspecified impurities             | < 0.10     | <= 0.10  | %               |
| Total Impurities other than C & D  | < 0.2      | <= 0.2   | %               |
| *Particle Size(through us 100mesh) | 98         | >= 95  | %               |
| Cadmium                            | < 0.5      | <= 0.5   | ppm             |

Conclusion: The product with this batch number meets all requirements when tested according to the monograph of USP/FCC/BP/EP/E300 in current version.

Test items marked with \* are based on routine batch analysis. Others are tested at regular intervals.

This is an electronic COA. The data from batch analysis are in accord with the actual test data, which are true, correct and

# VC Ascorbic Acid 100 mesh 95%,25KG BAL

## CERTIFICATE OF ANALYSIS

|              |   |            |                    |   |           |
|--------------|---|------------|--------------------|---|-----------|
| Productcode  | : | 5015842368 | Batch Size         | : | 3,000KG   |
| Lot No.      | : | HPB2302095 | Manufacturing Date | : | 18.2.2023 |
| Analysis No. | : | 75782196   | Best use before    | : | 17.2.2026 |
| Report Date  | : | 24.2.2023  |                    |   |           |

controlled. The data from periodic analysis are controlled at regular intervals as part of our assurance program.

QC Manager

葛晓峰

Nie Xiaoming (Daniel Nie)

Quality Manager

葛亮

Ge Liang



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Exclusive distribution **Natural**

**CERTIFICATE OF ANALYSIS**  
Weishardt Group

|  |  |
|--|--|
| CUSTOMER :<br><b>NATURAL FUNCTIONAL INGREDIENTS - FRANCE</b>                     | YOUR ORDER :<br><b>CF00011203</b>              |
|  | OUR REFERENCE :<br><b>73157 SO</b>             |
| QUALITY :<br><b>NATICOL® 1000 – MARINE COLLAGEN</b><br><b>FRIEND OF THE SEA®</b> | ARTICLE :<br><b>*G1003241*</b>                 |
| BATCH :<br><b>083234185</b>  | QUANTITY :<br><b>2000 KG</b>                   |
| PREPARATION DATE :<br><b>12/2023</b>   | DATE OF MINIMUM DURABILITY :<br><b>12/2028</b> |

| PHYSICO-CHEMICAL CHARACTERISTICS               | RESULT  | UNIT              | SPECIFICATION |
|--|---------|-------------------|---------------|
| Protein (*)                                    | ≥ 93    | %                 | min 93        |
| Average molecular weight (*)                   | 2000    | Da                | 2000          |
| Density  | conform | g/cm <sup>3</sup> | 0,43 – 0,49   |
| Viscosity (20%, 25°C)                          | 37,7    | mp                | 20 – 40       |
| pH   | 6,58    | -                 | 5,6 – 7,0     |
| Conductivity (1%, 30°C)                        | 0,199   | mS/cm             | max 1         |
| Moisture                                       | 5,5     | %                 | 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 (*)                                       | ≤ 3     | mg/kg             | max 3         |
| Mercury (*)                                    | ≤ 0,1   | mg/kg             | max 0,1       |
| Zinc (*)                                       | ≤ 30    | mg/kg             | max 30        |
| Particle size                                  | conform | -                 | fine powder   |
| 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.

Mainty Type I collagen & contains Type III in small quantities.

Sustainable certified hydrolysed collagen issued from fish skins.

Quality conform to the current European Pharmacopea, to the current United States Pharmacopea (USP/NF), to the requirements of regulation (EC) N° 853/2004, N° 2073/2005, to the “GME standard code bacteriological specification food grade gelatine” and to your requirements.

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**QUALITY CONTROL MANAGER**  
Olivier ROBERT

Date : **January 31, 2024**

**HEADQUARTERS : Weishardt International**

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**GONMISOL**  
FINE INGREDIENTS

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Camí de la Verneda 47-49  
Sant Adrià de Besòs 08930  
Barcelona - Spain (EU)

**Certificate of analysis**

**Certificado de análisis**

**HYALURONIC ACID SODIUM (FOOD GRADE)**

| <b>Batch</b>  | <b>Manufacturer</b> | <b>Manufactured</b> | <b>Expiration</b> | <b>Quantity</b> |
|---------------|---------------------|---------------------|-------------------|-----------------|
| HA2024021621X | CNS89 - 35POIX      | 16/02/2024          | 15/02/2027        | 500 Kg          |

| <b>QUALITY STANDARD::</b>            | <b>FOOD GRADE</b> |                |
|--------------------------------------|-------------------|----------------|
| Appearance                           | White powder      | Confirms       |
| Assay (Sodium Hyluronate, dry basis) | ≥95.0%            | 95.3%          |
| Glycuronic acid                      | ≥46.0%            | 46.1%          |
| Molecular weight                     | ≥0.8×10(6) Da     | 0.90× 10(6) Da |
| Loss on drying                       | ≤10.0%            | 7.43%          |
| Residue on ignition                  | ≤13.0%            | 10.7%          |
| Proteins                             | ≤0. 1%            | 0.021%         |
| pH (0.1%water solution)              | 6.0-7.5           | 6.54           |
| Transparency (0.1% solution)         | ≥99%              | 99.9%          |
| Dynamic viscosity                    | Report            | 24.5 mm2/s     |
| Chloride                             | ≤200ppm           | Confirms       |
| Sulfate                              | ≤300ppm           | Confirms       |
| Ammonium                             | ≤200ppm           | Confirms       |
| Iron                                 | ≤10ppm            | Confirms       |
| Heavy metal (as Pb)                  | ≤10ppm            | Confirms       |
| Mercury (Hg)                         | ≤0. 1ppm          | Confirms       |
| Lead (Pb)                            | ≤3ppm             | Confirms       |
| Arsenic (As)                         | ≤1ppm             | Confirms       |
| Cadmium (Cd)                         | ≤1ppm             | Confirms       |



**GONMISOL**  
FINE INGREDIENTS

info@gonmisol.com  
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Camí de la Verneda 47-49  
Sant Adrià de Besòs 08930  
Barcelona - Spain (EU)

**Certificate of analysis**

**Certificado de análisis**

**HYALURONIC ACID SODIUM (FOOD GRADE)**

| <b>Batch</b>          | <b>Manufacturer</b> | <b>Manufactured</b> | <b>Expiration</b> | <b>Quantity</b> |
|-----------------------|---------------------|---------------------|-------------------|-----------------|
| HA2024021621X         | CNS89 - 35POIX      | 16/02/2024          | 15/02/2027        | 500 Kg          |
| Bulk density          |                     | 0.10~0.30 g/CM3     |                   | 0.30 g/CM3      |
| Tapped density        |                     | 0.35~0.50 g/CM3     |                   | 0.50 g/CM3      |
| Mesh size             |                     | 90% pass 80 mesh    |                   | 99.9%           |
| Total plate count     |                     | ≤1000 cfu/g         |                   | <1000 cfu/g     |
| Mold & Yeast          |                     | ≤100 cfu/g          |                   | <100 cfu/g      |
| E. Coli               |                     | Negative in 10g     |                   | Confirms        |
| Salmonella            |                     | Negative in 10g     |                   | Confirms        |
| Staphylococcus Aureus |                     | Negative in 10g     |                   | Confirms        |

**CERTIFICATE OF ANALYSIS****COMPOSITION / COMPOSICIÓN**

|   | SPECIFICATIONS / ESPECIFICACIONES | RESULTS / RESULTADOS |
|---|-----------------------------------|----------------------|
| <b>TOCOPHEROL-RICH EXTRACT /<br/>EXTRACTO RICO EN TOCOFEROLES (E 306)</b> | Min. 30.0%                        | <b>31.7%</b>         |
| α-tocopherol / α-tocoferol  | Min. 5.0%                         | 13.0%                |
| β+γ-tocopherol / β+γ-tocoferol  | Min. 55.0%                        | 66.5%                |
| δ-tocopherol / δ-tocoferol  | Min. 18.0%                        | 20.5%                |
| <b>SOYBEAN OIL / ACEITE DE SOJA</b>                                       |                                   | <b>2.3%</b>          |
| <b>MALTODEXTRINA / MALTODEXTRINE</b>                                      |                                   | <b>66.0%</b>         |

**ANALYSIS / ANÁLISIS**

| TEST / ANÁLISIS  | SPECIFICATIONS / ESPECIFICACIONES  | RESULTS / RESULTADOS |
|--|--|----------------------|
| <b>Appearance / Apariencia</b>   | In accordance with PDS /<br>Acorde a la PDS                                | Conforms / Conforme  |
| <b>Heavy Metals / Metales Pesados:</b>   | ≤ 10 ppm   | Conforms / Conforme  |
| *Lead (pb) / Plomo (Pb)  | ≤ 3 ppm  | Conforms / Conforme  |
| *Arsenic (As) / Arsénico (As)  | ≤ 2 ppm  | Conforms / Conforme  |
| *Cadmium (Cd) / Cadmio (Cd)  | ≤ 1 ppm  | Conforms / Conforme  |
| *Mercury (Hg) / Mercurio (Hg)  | ≤ 0.1 ppm  | Conforms / Conforme  |
| <b>Microbiological Specifications /<br/>Especificaciones Microbiológicas:</b>  |  |                      |
| *Total plate count / Recuento total en placa   | ≤ 1000 cfu/g   | Conforms / Conforme  |
| *Yeasts and molds / Levaduras y mohos  | ≤ 25 cfu/g   | Conforms / Conforme  |
| *E. coli   | No detected in 25g /<br>No detectado en 25g                                | Conforms / Conforme  |
| *Salmonella spp.   | No detected in 25g /<br>No detectado en 25g                                | Conforms / Conforme  |
| <b>Sum of 4 PAH's: benzo[a]pyrene, benzo[a]anthracene,<br/>benzo[b]fluoranthene &amp; chrysene /<br/>Suma de 4 HAP's: benzo[a]pireno, benzo[a]antraceno,<br/>benzo[b]fluoranteno &amp; criseno</b> | ≤ 10 ppb   | Conforms / Conforme  |
| Benzo[a]pyrene / Benzo[a]pireno  | ≤ 2 ppb  | Conforms / Conforme  |
| <b>*Pesticides / Pesticidas</b>  | In accordance with current legislation /<br>Acorde a la legislación actual | Conforms / Conforme  |

\* Analysed on random audit sample basis

\* Datos correspondientes a los resultados obtenidos en Análisis de lotes seleccionados de forma aleatoria

**EXPIRATION DATE / CONSUMO PREFERENTE**Best Before Date / Consumo Preferente  
Production Date / Fecha de Fabricación11/07/2025  
11/01/2024

Madrid, 12 January 2024

Order Number / N° Pedido: BDC221223BTSA  
Client / Cliente: PHYTOCOSMA

# CERTIFICATE OF ANALYSIS



Natural

## Product and Batch Informations

ZINC BISGLYCINATE 30% ZINC

BISGLZINC001

DT V3 - 02/03/2022

|         |            |                            |              |
|---------|------------|----------------------------|--------------|
| Batch   | 20230629   | Origin (natural/synthetic) | Synthetic    |
| N° CAS  | 7214-08-06 | Country of manufacturing   | Asia - China |
| MF date | 29/06/2023 | Expiration date            | 28/06/2025   |

## ANALYSIS ITEM

## SPECIFICATION

## RESULT

## TEST METHOD

### Active Ingredients/Substance to control

|       |   |                 |                |
|-------|---|-----------------|----------------|
| Assay | NLT 98% Zinc bisglycinate<br>NLT 30% Zinc | 98,7%<br>30,30% | GB 1903.2-2015 |
|-------|---|-----------------|----------------|

### Physical/Chemical Control

|                |                          |          |                 |
|----------------|--------------------------|----------|-----------------|
| Appearance     | White crystalline powder | Complies | Organoleptic    |
| Loss on drying | NMT 0,5%                 | 0,28%    | GB 1903.2-2015  |
| pH             | 7,0-9,0                  | 8,3      | GB 1903.2-2015  |
| Nitrogen       | 12,5-13,5%               | Complies | GB 1903.2-2015  |
| Particle size  | 90% through 100 mesh     | Complies | 100 mesh screen |

### Contaminant Control\*

|                  |                         |              |                 |
|------------------|-------------------------|--------------|-----------------|
| Heavy metals     | NMT 10ppm               | Complies     | AAS             |
| Lead (Pb)        | NMT 3ppm                | Complies     | GB 5009.12-2017 |
| Arsenic (As)     | NMT 2ppm                | Complies     | GB 5009.12-2017 |
| Cadmium(Cd)      | NMT 1ppm                | Complies     | GB 5009.12-2017 |
| Mercury (Hg)     | NMT 0,1ppm              | Complies     | GB 5009.12-2017 |
| Ethylene oxide** | Not applicable limit*** | Not detected | GC-MS/MS        |

### Microbiological Control

|                              |                  |              |      |
|------------------------------|------------------|--------------|------|
| Total aerobic microbial      | NMT 10 000 cfu/g | < 100 cfu/g  | AOAC |
| Tot. yeast and mould         | NMT 500 cfu/g    | < 10 cfu/g   | AOAC |
| Bile tolerant gram- bacteria | NMT 100 cfu/g    | < 10 cfu/g   | AOAC |
| Salmonella                   | Negative/25g     | Not detected | AOAC |
| E.Coli                       | Negative/g       | Not detected | AOAC |
| Staphylococcus               | Negative/g       | Not detected | AOAC |

### Statements

|                     |                                     |
|---------------------|-------------------------------------|
| Allergens           | Allergen free                       |
| GMO                 | No OGM                              |
| Irradiation         | No irradiation                      |
| BSE/TSE             | BSE/TSE free                        |
| Nanomaterials       | Nanomaterials free                  |
| Vegans/ Vegetarians | Suitable for vegans and vegetarians |

### Packing and Storage

|         |  |
|---------|--|
| Packing | Suitable for food industry   |
| Storage | Store in dry places and keep away from strong direct light and heat. |

\*According to a control plan

\*\*Sum of ethylene oxide and 2-chloro-ethanol expressed as ethylene oxide

\*\*\* According to meeting on Ethylene oxide on october 2021, applicable limit of ethylene oxide for food supplement, some minerals and additives(except in specific case) is 0.1ppm



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09/11/2023  
Angebault Mélanie  
Quality Department











**Certificate of Analysis**

**CA002175**

Page1/2

**Product Description** Pyridoxal 5-phosphate (P5P) monohydrate

**Product Code** 2001170  
**Batch Number** LOT00003401  
**Production Date** 26/06/23  
**Best Before Date** 25/06/26

| Properties                      | Target Value         | Lower Control Limit | Upper Control Limit | Results        | Unit Of Measure |
|---------------------------------|----------------------|---------------------|---------------------|----------------|-----------------|
| <b>ORIGIN</b>                   |                      |                     |                     |                |                 |
| ORIGIN                          | China                |                     |                     |                |                 |
| <b>ORGANOLEPTIC</b>             |                      |                     |                     |                |                 |
| TEXTURE                         | Powder               |                     |                     | Powder         |                 |
| COLOR                           | White to Pale-Yellow |                     |                     | Pale-Yellow    |                 |
| ODOR                            | Characteristic       |                     |                     | Characteristic |                 |
| <b>PHYSICAL AND CHEMICAL***</b> |                      |                     |                     |                |                 |
| LOSS ON DRYING                  |                      |                     | 10,000              | 8,200          | %               |
| pH                              |                      | 2,6                 | 3,0                 | 2,9            |                 |
| Pass 30 mesh                    |                      | 90,0                |                     | 100,0          | %               |
| <b>ASSAY</b>                    |                      |                     |                     |                |                 |
| ASSAY (Dry basis)               |                      | 99,00               | 101,00              | 99,20          | %               |
| Pyridoxal Content 'As Is'       | 63,00                |                     |                     | 62,5           | %               |
| Pyridoxal Content 'Dry basis'   | 67,60                |                     |                     | 67,06          | %               |
| Minimum Pyridoxal Content       |                      | 60,00               |                     | ND             | %               |
| Pyridoxine by HPLC              |                      |                     | 0,05                | Complies       | %               |
| <b>MICROBIOLOGICAL**/**</b>     |                      |                     |                     |                |                 |
| TOTAL PLATE COUNT               |                      |                     | 1 000               | Complies       | CFU/G           |
| YEAST AND MOULD                 |                      |                     | 100                 | Complies       | CFU/G           |

**Certificate of Analysis**

**CA002175**

Page2/2

| Properties                | Target Value | Lower Control Limit | Upper Control Limit | Results  | Unit Of Measure |
|---------------------------|--------------|---------------------|---------------------|----------|-----------------|
| E COLI                    |              |                     | 0                   | Absence  | CFU/10G         |
| SALMONELLA                |              |                     | 0                   | Absence  | CFU/25G         |
| <b>HEAVY METALS**/***</b> |              |                     |                     |          |                 |
| CADMIUM                   |              |                     | 1,000               | Complies | PPM             |
| LEAD                      |              |                     | 3,000               | Complies | PPM             |
| MERCURY                   |              |                     | 0,100               | Complies | PPM             |
| ARSENIC                   |              |                     | 1,000               | Complies | PPM             |

**Signed by:** GRANET Chloé

**Certification Date :** 07/12/23

\*Product certified by ECOCERT FR-BIO-01

\*\*According to a control plan

\*\*\*Based on our producer's information

\*\*\*\*Acceptable maximal count: 5 times the acceptance criterion according to European Pharmacopoeia X<sup>e</sup> Edition 5.1.8 Category B or C (1) By calculation

Abbreviations: ND: not determined / NA: not applicable / HA : Hydroalcoholic / PE: Powder extract / FE : Fluid extract / SE : Soft extract  
For herbal product : there is likely to be minor colour variation from batch to batch because of the seasonal variations of raw materials. Colour change will not affect the quality and efficacy of the product.



**D-BIOTIN (VIT H)  
USP EP**

| Batch                        | Manufactured   | Expiration | Quantity |
|------------------------------|--|------------|----------|
| 0522110029                   | 28/11/2022   | 27/11/2025 | 0,04 Kg  |
| Product                      | D-Biotin Pure Food Grade USP2022/EP9.4   |            |          |
| Appearance                   | White or off-white crystalline powder  | Conform    |          |
| Solubility                   | Very slightly soluble in water and in alcohol, practically insoluble in acetone. It dissolves in dilute solutions of alkali hydroxides         | Conform    |          |
| Identification A             | Ph. Eur: IR  | Conform    |          |
| Identification B*            | Ph. Eur: TLC<br>Ph. Eur: Reaction with bromine water   | Conform    |          |
| Identification C             | USP: (HPLC) The retention time of the major peak of the sample solution corresponds to that of the standard solution, as obtained in the Assay | Conform    |          |
| Clear and colour             | 0.01g/ml solution (in 4g/l NaOH) is clear and colourless   | Conform    |          |
| Heavy metals*                | ≤10 mg/kg  | <10 mg/kg  |          |
| Arsenic*                     | ≤1.0 mg/kg   | 0.09 mg/kg |          |
| Lead*                        | ≤0.5 mg/kg   | 0.10 mg/kg |          |
| Cadmium*                     | ≤0.5 mg/kg   | <0.5 mg/kg |          |
| Mercury*                     | ≤0.1 mg/kg   | <0.1 mg/kg |          |
| Sulphated ash                | ≤0.1%  | 0.06%      |          |
| Specific Optical Rotation    | +89° ~ +93°  | +90.5°     |          |
| Melting point                | 229 ~ 232  | Conform    |          |
| Organic volatile impurity    | Meets USP requirement  | Conform    |          |
| Assay (Titration, 0.1N NaOH) | 98.5% ~101%  | 99.9%      |          |
| Assay (HPLC)                 | 97.5% ~102%  | 99.8%      |          |
| Related substances           | PhEur: TLC: Any impurity obtained in test sol. (a) shall not be more intense than that in ref. (b) (0.5%) and at most one of ref (c) (0.25%)   | Conform    |          |



**GONMISOL**  
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**Certificate of analysis**

**Certificado de análisis**

**D-BIOTIN (VIT H)  
USP EP**

| <b>Batch</b> | <b>Manufactured</b> | <b>Expiration</b> | <b>Quantity</b> |
|--------------|---------------------|-------------------|-----------------|
| 0522110029   | 28/11/2022          | 27/11/2025        | 0,04 Kg         |

|                    |  |           |
|--------------------|--|-----------|
|                    | USP: HPLC: Individual impurity not more than 1.0%; total impurities not more than 2.0% | Conform   |
| Loss on drying     | ≤0.2%  | 0.04%     |
| Total Plate Count* | <1000cfu/g   | Qualified |
| Yeasts & Moulds*   | <100cfu/g  | Qualified |
| E.Coli*            | Negative (in 1g)   | Negative  |
| Salmonella spp*    | Negative (in 10g)  | Negative  |

\*Test verified on random samples

Conclusion: Conforms to USP2022/EP9.4  
Shelf life: 3 year from manufacture date

## Certificate of Analysis

### General Information

|                  |                            |                        |            |              |
|------------------|----------------------------|------------------------|------------|--------------|
| <b>Product</b>   | Remy O DR6                 | <b>Production Date</b> | 06/09/2023 | (dd/mm/yyyy) |
| <b>Batch</b>     | 2320341590                 | <b>Best before</b>     | 05/09/2027 | (dd/mm/yyyy) |
| <b>Issued by</b> | Quality Control Management | <b>Date CoA Issued</b> | 21/02/2024 | (dd/mm/yyyy) |

### Results of analyses

| Parameter                               | Result   | Unit        | Method <sup>(1)</sup>   | LSL | USL      |
|---|----------|-------------|-------------------------|-----|----------|
| <b>Physical and Chemical Parameters</b> |          |             |                         |     |          |
| Moisture                                | 8        | g/100g      | ISO 712                 | ≤   | 14       |
| Protein content (N*6,25) on DM          | 4,7      | g/100g d.m. | ISO 1871 <sup>(1)</sup> | ≤   | 7,0      |
| Ash content on DM                       | 0,3      | g/100g d.m. | ISO 3593                | ≤   | 1,0      |
| <b>Rheological Parameters</b>           |          |             |                         |     |          |
| Starting gel point, pH as is, 6%        | 80       | °C          | Brabender               | ≥   | 60       |
| End viscosity, pH as is, 6%             | 600      | BU          | Brabender               | ≥   | 500      |
| <b>Microbiological Parameters</b>       |          |             |                         |     |          |
| Salmonella (/375g)                      | Negative | /375g       | ISO 6579                |     | Negative |
| Total mesophilic bacteria (aerobic)     | 100      | cfu/g       | ISO 4833                | ≤   | 100.000  |
| Yeasts and Moulds                       | 10       | cfu/g       |                         | ≤   | 1.000    |
| Enterobacteriaceae                      | <10      | cfu/g       |                         | ≤   | 100      |

<sup>(1)</sup> or (acknowledged and) validated equivalent

### Remarks

We herewith confirm that the product complies with the corresponding guarantees listed in its Product Sheet .

Rice starch issued from organic farming, Certisys BE-BIO-01



