PRODUCT SPECIFICATION

ID Number: 8100010
Issue Date and Number: 14.07.2026/v.5
Trade Name:

TuriColl™ NSP Type II Collagen

Declaration (Labelling):	**Type II Collagen Hydrolysate** or **Type II Turkey Collagen Hydrolysate** or **Type II Poultry Collagen Hydrolysate** or **Collagen Hydrolysate.**
Raw Material Origin:	Collagen protein derived from turkey raw materials rich in Type II collagen.
Country of Origin:	EU (Approval No.: PL 24120601 – production of TuriColl™ NSP collagen. Slaughterhouse Approval No.: PL 28153902 – origin of the turkey raw material)
Intended Use:	Food ingredient for further use in food products, including food supplements and functional foods.
Net Weight:	15 kg

PRODUCT DESCRIPTION

TuriColl™ NSP type II is a Type II collagen hydrolysate with a full spectrum of collagen hydrolysis fractions, including peptides, polypeptides and free amino acids, obtained through the controlled enzymatic hydrolysis of turkey-derived collagen raw materials rich in Type II collagen. The product also contains naturally occurring naturally occurring compounds derived from these raw materials, including hyaluronic acid, chondroitin sulphate and glucosamine sulphate.

ORGANOLEPTIC PROPERTIES

Light cream-coloured powder with a characteristic taste and odour.

PHYSICOCHEMICAL PARAMETERS

Protein	≥ 90 %	Kjeldahl
Collagen Type II	confirmed	LC-MS
Average Molecular Weight	2000 Da	GPC/SEC
Hyaluronic Acid (typical approx.)	20 mg/g	GPC/SEC
Chondroitin Sulphate (typical approx.)	70 mg/g	HPLC-DAD(UV)
Glucosamine Sulphate (typical approx.)	75 mg/g	HPLC-RI
pH	4.5 – 7.5	Potentiometric
Solubility	completely soluble in cold wate	Internal
Dry Matter	≥ 93 %	Gravimetric
Bulk Density (Free Flowing)	0.20 – 0.50 g/mL	Volumetric

MICROBIOLOGICAL PARAMETERS

Salmonella spp.	not detected in 25 g	ISO 6579
Listeria monocytogenes	not detected in 25 g	ISO 11290-1
Aerobic mesophilic microorganisms	≤ $1x10^3$ cfu/g	ISO 21149
Yeasts and molds	≤ $1x10^3$ cfu/g	ISO 16212
Staphylococcus aureus	not detected in 1 g	ISO 22718
Escherichia coli	not detected in 1 g	ISO 21150
Pseudomonas aeruginosa	not detected in 1 g	ISO 22717
Candida albicans	not detected in 1 g	ISO 18416

HEAVY METALS

Arsenic (As)	≤ 1 ppm	EN 15763:2010
Lead (Pb)	≤ 3 ppm	EN 15763:2010
Cadmium (Cd)	≤ 0.5 ppm	EN 15763:2010
Mercury (Hg)	≤ 0,10 ppm	EN 15763:2010
Chromium (Cr)	≤ 10 ppm	EN 15763:2010
Copper (Cu)	≤ 30 ppm	EN 17851:2024-1
Zinc (Zn)	≤ 50 ppm	EN 17851:2024-1

SHELF LIFE AND STORAGE & TRANSPORT CONDITIONS

30 months from the production date, provided it is stored and transported in the original, unopened packaging, in a cool, dry, and well-ventilated place. Optimal storage temperature: 15–25°C (acceptable short term temperature fluctuations: min. 10°C, max. 30°C), maximum humidity 65%. Protect from moisture, light, and sources of heat.

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AMINO ACID COMPOSITION – typical values (g/100 g of product)

Alanine	5.0 – 10.0
Aspartic acid[2]	3.0 – 7.0
Arginine	3.0 – 6.0
Glutamic acid[3]	8.0 – 12.0
BCAA (Leucine[1] + Isoleucine[1] + Valine[1])	6.0 – 13.0
Lysine[1]	3.0 – 6.0
Cyst(e)ine[4]	0.1 – 2.0
Methionine[1, 5]	1.0 – 3.0
Phenylalanine[1]	1.0 – 4.0

Serine	1.5 – 3.0
Glycine	12.0 – 26.5
Threonine[1]	2.0 – 5.0
Histidine[1]	0.5 – 4.0
Tryptophan[1]	0.25 – 1.0
Hydroxylysine	0.5 – 3.0
Taurine	0.2 – 1.0
Hydroxyproline + Proline	13.0 – 17.0
Tyrosine	0.8 – 3.0

1) Essential amino acids.
2) Sum of asparagine and aspartic acid.
3) Sum of glutamine and glutamic acid.
4) Sum of cysteine and cystine, calculated as cysteic acid.
5) Calculated as methionine sulfone.

REGULATORY DECLARATIONS AND INFORMATION

Allergen Information

The product does not contain any allergens listed in Annex II of Regulation (EU) No. 1169/2011 or ingredients derived from them. There is no risk of cross-contamination with allergens covered by the above-mentioned Regulation during the manufacturing process. The product is free from gluten, lactose and fish-derived ingredients.

Contaminants Information

The product is manufactured in compliance with the requirements of Regulation (EC) No. 853/2004. Contaminant levels comply with the requirements of Commission Regulation (EU) 2023/915. Melamine is not used in the manufacturing process.

TSE/BSE Information

The product is manufactured exclusively from turkey-derived raw materials obtained from animals declared fit for human consumption. No ruminant-derived materials are used during production; therefore, the product does not present any TSE/BSE-related risk.

GMO Information

The product is not produced from genetically modified organisms (GMOs) nor with the use of GMOs and is not subject to labelling requirements under Regulations (EC) No. 1829/2003 and (EC) No. 1830/2003. Raw materials used in production comply with applicable veterinary and quality requirements.

Nanomaterial Information

No nanomaterials or nanotechnology are used in the manufacturing process. The collagen hydrolysate does not qualify as an intentionally engineered nanomaterial within the meaning of applicable EU legislation.

Ionising Radiation Information

The product has not been subjected to ionising radiation at any stage of production, packaging or storage. Therefore, it does not require labelling as irradiated food in accordance with applicable EU legislation.

Alkaloids and Pesticides Information

Collagen hydrolysate is an animal-derived product and is not a source of alkaloids or pesticide residues. The presence of such substances is considered negligible from a food safety perspective.

NUTRITIONAL INFORMATION – per 100 g of product:

Energy	1530 kJ / 360 kcal
Fat	0 g
of which saturates	0 g
Carbohydrate	0 g
of which sugars	0 g
Protein	90 g
Salt [6]	2.5 g

6) Salt content is exclusively due to naturally occurring sodium

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DOSAGE:

The recommended intake level is 2.5 g of TuriColl™ Type II collagen hydrolysate per day.

The inclusion level may be increased for specific applications, provided that all applicable requirements of EU legislation and the regulations of the destination market are met.

AUTHORISED HEALTH CLAIMS (EFSA)

TuriColl™ collagen hydrolysates are not considered Novel Food within the meaning of Regulation (EU) 2015/2283. Hydrolysed animal-derived collagen has been assigned a "Not Novel in Food" status and may therefore be used as a food ingredient in compliance with applicable EU regulations.

TuriColl™ Type II is a high-protein collagen hydrolysate.

For finished products meeting the conditions of use specified in Regulation (EC) No. 1924/2006, the following authorised protein-related health claims may be used:

- Protein contributes to the maintenance of normal bones.
- Protein contributes to a growth in muscle mass.
- Protein contributes to the maintenance of muscle mass.

Health Claims for Fortified Formulations Containing TuriColl™ Type II.

Additional authorised health claims may be used only in relation to finished products containing TuriColl™ Type II and appropriate vitamins and/or minerals in amounts that meet the conditions of use established under EU legislation for the respective health claim:

Vitamin C:
- Vitamin C contributes to normal collagen formation for the normal function of bones.
- Vitamin C contributes to normal collagen formation for the normal function of cartilage.

Vitamin D:
- Vitamin D contributes to the maintenance of normal bones.
- Vitamin D contributes to normal muscle function.

Vitamin K:
- Vitamin K contributes to the maintenance of normal bones.

Magnesium:
- Magnesium contributes to the maintenance of normal bones.
- Magnesium contributes to normal muscle function.

Manganese:
- Manganese contributes to the maintenance of normal bones.
- Manganese contributes to the normal formation of connective tissue.

Copper:
- Copper contributes to the maintenance of normal connective tissues.

Calcium:
- Calcium contributes to normal muscle function.
- Calcium is needed for the maintenance of normal bones.

Zinc:
- Zinc contributes to the maintenance of normal bones.

Phosphorus:
- Phosphorus contributes to the maintenance of normal bones.

CERTIFICATES: BRCGS Food, IFS Food, IFS Logistics and Halal.