# Undenatured Type II Collagen

*Native type II collagen (protein complex) · CAS 9007-34-5 · Chicken sternum undenatured type II collagen 10%*

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

| CHEMICAL FORM | FORMULA | CAS | PRIMARY ASSAY |
|---|---|---|---|
| Chicken sternum undenatured type II collagen 10% | Native type II collagen (protein complex) | 9007-34-5 | 10.0–20.0% |
| **METHOD** | **MINIMUM ORDER** | **LEAD TIME** | **STANDARD PACK** |
| ELISA | 1 kg | 1–7 days | 1 kg foil pouch · 25 kg fiber drum |

## DESCRIPTION

Chicken sternum undenatured type II collagen standardized to 10–20% native type II collagen by ELISA, for capsules where the native structure and the assay method are the specification.

## SPECIFICATION

| PARAMETER | SPECIFICATION | METHOD / NOTE |
|---|---|---|
| Type II collagen (ELISA) | 10.0–20.0% | As stated |
| Protein (Kjeldahl N×6.25) | ≥50.0% | As stated |
| Appearance | Off-white to light tan powder | As stated |
| Identification | ELISA with a type II specific antibody | As stated |
| Loss on drying | ≤8.0% | As stated |
| Ash | ≤10.0% | As stated |
| pH (5% suspension) | 5.0–7.0 | As stated |
| Heavy metals | Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg | As stated |
| Microbiology | APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent | As stated |
| Particle size | ≥95% through 80 mesh | As stated |
| Marker set | Type II collagen 10.0–20.0% (ELISA) | Identity |
| Solubility | Dispersible in water; not a clear solution. The native structure is the functional specification. | Matrix dependent |

## APPLICATIONS

- Capsules and tablets

## AVAILABLE FORMS

- 10% powder, 80 mesh

- Powder sticks and drink mixes

- 20% on request
- Granulated on request

## PACKING

- 1 kg foil pouch
- 25 kg fiber drum

## STORAGE

Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Keep the pack closed after sampling. The lot-specific retest date is shown on the batch COA.

## DOCUMENTATION RELEASED WITH EACH LOT

- Batch-specific certificate of analysis
- Technical data sheet and safety data sheet
- Allergen, GMO, origin and residual-solvent statements
- Third-party reports on request

> **Catalog document.** This TDS describes the grade we can quote. The final specification, pack and documentation are confirmed in writing before the order. It is not a batch COA and does not report a result for a specific lot.

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