# Bone Collagen Peptides

*Collagen hydrolysate (peptide mixture) · CAS 9007-34-5 · Bovine bone collagen peptides, spray-dried*

**CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION**

| CHEMICAL FORM | FORMULA | CAS | PRIMARY ASSAY |
|---|---|---|---|
| Bovine bone collagen peptides, spray-dried | Collagen hydrolysate (peptide mixture) | 9007-34-5 | ≥90.0% |
| **METHOD** | **MINIMUM ORDER** | **LEAD TIME** | **STANDARD PACK** |
| Kjeldahl and SEC | 1 kg | 1–7 days | 1 kg foil pouch · 25 kg fiber drum |

## DESCRIPTION

Bovine bone collagen peptides specified at ≥90% protein, 8–12% hydroxyproline and ≥90% below 3,000 Da, for capsules and powder blends where the bone source, the ash and the BSE/TSE file have to be declared.

## SPECIFICATION

| PARAMETER | SPECIFICATION | METHOD / NOTE |
|---|---|---|
| Protein (Kjeldahl N×5.55) | ≥90.0% | As stated |
| Hydroxyproline | 8.0–12.0% (HPLC) | As stated |
| Molecular weight | ≥90% below 3,000 Da (SEC) | As stated |
| Appearance | White to off-white powder | As stated |
| Loss on drying | ≤7.0% | As stated |
| Ash | ≤5.0% | As stated |
| pH (5% solution) | 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 40 mesh | As stated |
| Marker set | Protein ≥90%; hydroxyproline 8–12%; ≥90% <3,000 Da | Identity |
| Solubility | Soluble in water; the solution is clear to slightly hazy at typical use levels. | Matrix dependent |

## APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes

## AVAILABLE FORMS

- Spray-dried powder, 40 mesh
- Agglomerated on request

- Functional beverages
- Low-dust 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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