Collagen Peptides

Collagen hydrolysate (peptide mixture) · CAS — · Hydrolysed bovine collagen, type I

INDICATIVE SPECIFICATION — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Hydrolysed bovine collagen, type I	Collagen hydrolysate (peptide mixture)	—	≥90.0% (Kjeldahl, N × 5.55)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
Kjeldahl and SEC-HPLC	1 kg	1–7 days	1 kg foil pouch

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Protein (dry basis)	≥90.0% (Kjeldahl, N × 5.55)	Specification
Hydroxyproline	8.0–12.0% (colorimetric)	Specification
Molecular weight	≥90% below 3,000 Da (SEC-HPLC)	Analytical
Appearance	White to off-white powder	Specification
Moisture	≤7.0%	Specification
Ash	≤2.0%	Specification
pH (10% solution)	5.0–7.0	Specification
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	Specification
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	Specification
Source	Bovine hide, type I	Specification
Marker set	Protein ≥90%, hydroxyproline 8–12%, MW <3,000 Da	Identity / ratio
Appearance	White to off-white, free-flowing powder	Visual
Solubility	Soluble in water; solutions are clear to slightly hazy depending on concentration and molecular weight.	Matrix dependent
Standard packaging	1 kg foil pouch · 25 kg fiber drum	Food-grade liner

APPLICATIONS

- Powder sticks and drink mixes
- Functional beverages
- Capsules and tablets
- Gummies and chews

AVAILABLE FORMS

- Powder
- Granulated on request
- Agglomerated on request

WHAT TO CONFIRM BEFORE ORDERING

- Ask for the molecular weight distribution, not only the protein figure; a high protein number can come with a high molecular weight.
- Confirm the species and the tissue. Bovine hide, bovine bone and fish skin are different label ingredients, and fish is an allergen.
- Check hydroxyproline and the amino acid profile; nitrogen-based protein methods can be inflated by non-collagen nitrogen.
- Collagen peptides pick up moisture and odour; the pack and the storage condition belong in the specification.

> **Indicative document.** This sheet describes the grade we can quote; it is not a batch COA and does not confirm a result for a specific lot. Final specification, contaminant limits and documentation are agreed in writing before the order. The form, hydrate state, ligand ratio and method are release parameters, not marketing descriptions.

DOCUMENTATION RELEASED WITH EACH LOT

DOCUMENT	CONTENT	SCOPE
Certificate of analysis	Assay, identity, physical parameters, contaminant panel and the release decision for the lot.	Batch-specific
Technical data sheet	Form, hydrate state, CAS, specification ranges, solubility, bulk density, storage and packing.	Product-level
Safety data sheet	Sixteen sections covering hazards, handling, storage, transport and emergency response.	Grade-specific
Allergen and GMO statements	Major allergens, gluten, animal-derived inputs and GMO status.	Batch-specific
Origin and traceability record	Manufacturing site and the link between the lot and the retained sample.	Batch-specific
Residual-solvent statement	The crystallisation system and the solvent class, where applicable.	Batch-specific

HOW TO REQUEST THIS GRADE

01 · BRIEF

Send the target specification, quantity, dosage form and destination market.

02 · COUNTER-SPEC

We confirm what can be matched and the documents available for the grade.

03 · SAMPLE & QUOTE

A sample with its own COA, followed by packing, lead time and terms in writing.

No claim is made here. This sheet does not claim a therapeutic effect, a product certification or a regulatory approval. Health claims belong to the brand that makes them and to the market that authorises them.

Shaanxi Rainwood Biotech Co., Ltd. · Rm 218, Tangxing Digital Bldg, #6 Tangxing Rd, Xi'an, Shaanxi, China

info@rainwoodbio.com · nutrition.rainwoodbio.com