Collagen Peptides

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

CATALOG TDS — 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 · 25 kg fiber drum

DESCRIPTION

Bovine collagen peptides specified at ≥90% protein and 8.0–12.0% hydroxyproline, with a molecular weight distribution for beverage and sachet formats.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Protein (dry basis)	≥90.0% (Kjeldahl, N × 5.55)	As stated
Hydroxyproline	8.0–12.0% (colorimetric)	As stated
Molecular weight	≥90% below 3,000 Da (SEC-HPLC)	As stated
Appearance	White to off-white powder	As stated
Moisture	≤7.0%	As stated
Ash	≤2.0%	As stated
pH (10% 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
Source	Bovine hide, type I	As stated
Marker set	Protein ≥90%, hydroxyproline 8–12%, MW <3,000 Da	Identity
Solubility	Soluble in water; solutions are clear to slightly hazy depending on concentration and molecular weight.	Matrix dependent

APPLICATIONS

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

AVAILABLE FORMS

- Powder
- Granulated on request
- Agglomerated on request

- Gummies and chews

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.

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

info@rainwoodbio.com · nutrition.rainwoodbio.com