

TECHNICAL DATA SHEET

Bovine Collagen Type I

Description

Bovine Collagen Type I is extracted from bovine skin, through the reaction of protease hydrolysis. Bovine Collagen Type I is hydrolyzed for better absorption and can provide 19 amino acids which the body uses to maintain connective tissue.

Solubility

It is rich in protein and can be completely dissolved in water.

Specification

Item	Specification	Test Method
Appearance	White or light yellow powder	Visual
Protein	Min 90%	Kjeldahl Method
Particle Size	Min 95% through 80mesh	In-house
pH	5.00 - 7.50	In-house
Ash	Max 2.0%	GB 5009.4
Impurity	No visible exogenous impurity	Q/HSMN0016S
Moisture	Max 8.0%	GB 5009.3
SO ₂	Max 50ppm	In-house
H ₂ O ₂	Max 10ppm	In-house
Melamine	Negative	In-house
Lead	Max 0.5ppm	U.S.P./ N.F.
Arsenic	Max 0.5ppm	U.S.P./ N.F.
Mercury	Max 0.5ppm	U.S.P./ N.F.
Chromium	Max 1.0ppm	U.S.P./ N.F.
Cadmium	Max 0.1ppm	U.S.P./ N.F.
Total plate count	Max 1000cfu/g	U.S.P./ N.F.
Yeasts & Molds	Max 40cfu/g	U.S.P./ N.F.
Coliforms	Max 0.3MPN/g	U.S.P./ N.F.
Pathogenic bacteria	Negative	U.S.P./ N.F.

Ingredients

Pure Protein

Labeling

In the United States and the European Union: Bovine Collagen Type I

Applications

Bovine Collagen Type I is used in the field of health foods & beverages, dietary supplements and personal care products. It is used to fill in skin depressions resulting from scars, injury or the lines we all acquire in the aging process. Most often, Bovine Collagen can be used for frown and worry lines as well as crow's feet and deep smile lines.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

Handling recommendations

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Store in a well-closed container away from moisture and direct sunlight.

Packaging, Storage & Shelf Life

Package: 10kg/ drum;or according to customers' requirements.
Storage: Store in a well-closed container away from moisture and direct sunlight.
Shelf life: 3 years if sealed and stored properly.