



# Elastin peptide

Elastin has the actual property of being elastic. It's responsible for allowing tissues in the body to "snap back" to their original shape after being stretched or contracted. It is found in ligament (80 %), in artery walls (30-50 %), in the lungs (10-25 %), and in the skin (2-3 %). The amino acids desmosine and isodesmosine are unique to elastic fibers.

SEMNL elastin peptide is made of bovine heart arteries through pretreatment and degradation of the elastin with biological enzyme, to form micro molecular polypeptide.



Product Name	Elastin Peptide
<b>Physical Items</b>	
Item	Specification Data
Protein Content (Dry Basis)/(%)	≥ 90.0
Moisture Content/ (%)	≤ 7.0
Ashes Content/ (%)	≤ 3.0
Appearance	Powder
Colour	Light yellow to pale brown
Smell	Characteristic smell
<b>Chemical Items</b>	
Total Arsenic / (mg/kg)	≤ 0.5
Lead / (mg/kg)	≤ 0.5
Cadmium / (mg/kg)	≤ 0.5
Total Mercury / (mg/kg)	≤ 0.05
Chromium / (mg/kg)	≤ 1.0
<b>Microbial Items</b>	
Total Plate Count / (CFU/g)	≤ 1000
E. Coil/ (MPN/g)	≤ 3
Yeast and Mold / (CFU/g)	≤ 30
Salmonella	NEGATIVE
Staphylococcus Aureus	NEGATIVE
Packing	10 kg/bag, 20 kg/ box
Storage	Store in dry, cool and odorless place away from moisture and direct sunlight.
Shelf Life	3 years when properly stored.

## What is the difference between elastin and collagen?

Collagen's main benefit function is to work as structural protein strengths. It's comprised of very strong fibers that have impressive tensile strength, and is the foundation upon which the outer layer of the skin is anchored. Elastin is not as plentiful in the skin as collagen, but is critical for skin function. It provides softness and elasticity to skin, forming a three-dimensional network between the collagen fibers.

## Product features:

- Micro-molecular, more easily absorbed;
- Excellent solubility and fluidity;
- Variety of products plus customization to meet your needs;
- Natural products with no added color and odor;
- High thermal stability with the wide range of pH applications.

## Function:

- Improve skin elasticity;
- Keeping skin smooth and taut;
- Preventing vascular aging;
- Restraining ligament ossification.

## Application:

- Dietary supplements;
- Food and beverage;
- Cosmetics;
- Pharmaceuticals.

