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Collagen Nanoparticles

NS6130-09-926

Purity
99.9%
 CAS No.
9007-34-5

Collagen is the most abundant fibril protein in human and animal composition. It exhibits approximately 30% of total protein mass. Collagen members are serving both a structural role as the basic protein of connective tissues, for instance, skin and bone and a functional role by being included in complex mechanisms of tissue growth and repair. It represents properties combined with both their gelling behavior (thickening and water-binding capacity) and their surface behavior (formation and stabilization of emulsions).

Collagen presents remarkable tissue compatibility, facile biodegradation, and its degradation products which are absorbed easily without inflammation. Another benefit of the collagen is the cost-effective production of materials that useful non-mammalian sources of collagen or extracellular matrix components. In that way, this protein is able to provide an optimal structure for cellular in growth to help to heal. It is utilized as a scaffold for cartilage tissue engineering and also in drug delivery Systems.

Technical Specification:

Molecular Formula	Molecular Weight	Standard Plate Count	Yeast and Mould Count	pH
Al ₂ O ₃ 4SiO ₂ H ₂ O	202.185 g/mol	140 cfu/g	033 cfu/g	3.0-6.0

Chemical Composition

Product	Weight Percent (nominal)	
		Other Metal
Collagen Nanoparticles	99.9%	8000 ppm

Applications:

- ✓ wound healing
- ✓ as a scaffold for cartilage tissue engineering
- ✓ in drug delivery Systems



APS:
 <60nm


 ISO 9001:2015
 CERTIFIED COMPANY


20ZICE4588C

19ZAZGO1274G

20ZICE4588M

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