

Why Fish Collagen is Gaining Attention in Pet Nutrition



As pet owners increasingly seek premium products that support the health and wellbeing of their animals, collagen has become a popular ingredient in pet nutrition formulations. Fish collagen, in particular, is attracting interest from manufacturers looking to develop innovative products for companion animals.

Collagen is the primary structural protein in connective tissue, cartilage, skin, tendons, and the gut lining. In companion animals, it plays the same foundational role as it does in humans: maintaining joint cushioning, skin elasticity, coat condition, and digestive integrity.

Fish collagen peptides are derived from fish skin through enzymatic hydrolysis, breaking the protein into smaller peptide chains. Through hydrolysis, fish collagen is broken down into low-molecular-weight peptides, **enhancing absorption and bioavailability** when incorporated into pet supplements and nutritional products.

Promoting Skin and Coat Health

Healthy skin and a glossy coat are highly visible indicators of well-being in companion animals. Fish collagen is frequently included in formulations aimed at supporting skin integrity and coat condition.

As a source of collagen peptides, fish collagen can help manufacturers develop products targeting beauty-from-within concepts that are increasingly popular among pet owners.

Collagen is a key structural protein that contributes to the strength and resilience of skin tissues.

Traceability: When sourced from a single, controlled aquaculture operation, fish collagen comes with a complete, documented supply chain.

Talk to us about our single-source fish collagen for your applications



Supporting Joint and Mobility Applications

Maintaining healthy joints and mobility is a key focus area in pet nutrition, particularly for ageing pets and active breeds. Fish collagen provides collagen peptides that can be incorporated into supplements, treats and complete feed formulations designed to support normal connective tissue function.

Its excellent digestibility makes it suitable for a wide range of pet nutrition applications.

Why Formulators Choose Fish Collagen

- Excellent dispersibility and solubility
- Easy incorporation into multiple dosage formats
- Premium ingredient positioning
- Supports clean-label product development
- Suitable for innovative pet wellness concepts

What Are the Key Benefits of Fish Collagen Peptides for Pet Supplements?

- **Joint health and mobility:** Glycine, proline, and hydroxyproline contribute to cartilage structure and synovial fluid support in aging pets.
- **Skin and coat condition:** Hydroxyproline content is associated with dermal collagen synthesis, supporting skin elasticity and coat quality.
- **Digestive wellness:** Glycine content is associated with gut lining integrity and tight junction function in the intestinal epithelium.
- **Connective tissue maintenance:** Regular collagen peptide supplementation may be associated with maintaining tendon and ligament resilience in active dogs.

How is Fish Collagen Used in Pet Supplement Formulations?

Fish collagen peptides for pet supplements are highly versatile. Their excellent solubility makes them suitable for powder, liquid, and soft chew formats. Fish gelatin, derived from the same source, serves a complementary role in treat and chewable supplement applications, providing gelling, binding, and textural performance alongside the same core amino acid profile.

Formulators should note that molecular weight, bloom strength, and particle size distribution vary by supplier and process. Sourcing from a vertically integrated supplier ensures these specifications remain consistent across production runs.

Product Development Opportunities

Fish collagen offers versatility across a wide range of pet nutrition categories, including:

- Joint support products
- Mobility supplements
- Skin and coat formulations
- Healthy ageing concepts
- Premium functional treats
- Daily wellness supplements



Talk to us about our single-source, ASC Certified, fish collagen for your pet nutrition applications.

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Technical Highlights:

- ✓ Single-source controlled aquaculture operation
- ✓ Batch to batch consistency in molecular weight distribution and amino acid profile.
- ✓ Complete chain of custody document from farm to finished ingredient
- ✓ Typically >90% protein
- ✓ Low molecular weight peptides for excellent digestibility
- ✓ Highly soluble and easy to formulate
- ✓ Suitable for powders, chews, treats and supplements
- ✓ Available for dog and cat nutrition applications