

pūrcolla®

PURE
CLEAN
BIOACTIVE



Pure Health, Naturally

NRG's PurColla® FINE POWDER Hydrolyzed Collagen Peptides are crafted from high-quality collagen peptides sourced from 100% premium bovine bones. Through enzymatic breakdown, proteins are converted into smaller, bioactive peptides, making PurColla® easily absorbed by the body. This pure, highly digestible protein is free of sugar, fat, cholesterol, and carbohydrates, offering numerous potential health benefits, including improved joint health, healthy aging, and enhanced skin beauty. PurColla® is enzymatically reduced to a smaller molecular collagen with a weight below 4,000 Daltons. The size of the protein fragment helps optimize absorption by the body through the intestinal tract, easily reaching the bloodstream. PurColla® is the ideal ingredient for food, beverage products, and supplements.*

The Many Health Advantages of PurColla® Fine Powder Peptides



JOINTS

Promotes joint health and helps preserve structure and function*



BONES

Promotes strong bones and helps preserve healthy bone mineral density*



BEAUTY

Boosts skin hydration, firmness, and overall elasticity*



SPORTS

Aids in connective tissue recovery while promoting healthy bones and joints*



SATIETY

Encourages feelings of fullness, potentially leading to reduced energy intake*

 **PURE**

Single source, 100% from bovine bones, grassfed, South American pasture raised bovine sources.

 **CLEAN**

Natural ingredient, neutral flavor and odor, free of pesticides, antibiotics, hormones, glutens.

 **BioACTIVE**

Abundant in essential amino acids like proline, hydroxyproline, glycine, and glutamic acid.

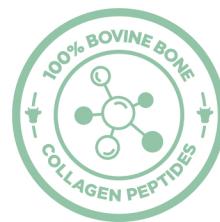
Clean Ingredients, Pure Results

NRG's PurColla® collagen sets itself apart from competitors by starting with the finest raw materials—fresh bovine bones sourced from South America, known for their superior quality and nutrient-rich content. Unlike many competitors who may rely on lower-grade sources or synthetic processes, we prioritize purity and effectiveness from the very beginning.

Our production process is meticulous and thorough. We begin by cooking, deoiling, and treating the raw bovine bones to extract the highest quality collagen. Initially, this collagen has a molecular weight exceeding 100,000 Daltons. However, through an advanced enzymatic process, we carefully reduce it to smaller molecular collagen with a weight below 4,000 Daltons. This smaller molecular size makes our collagen more easily absorbed by the body, maximizing its benefits for skin, joints, and overall wellness.*

What truly distinguishes PurColla® collagen from others on the market is our commitment to maintaining the natural integrity of the collagen. We use a bio-fermentation process that avoids the harsh acid or alkali treatments commonly employed by other brands. These methods can degrade the quality and purity of the collagen. In contrast, our process ensures our product remains as natural and potent as possible.

With PurColla®, you're not just getting collagen; you're getting a premium product that's been crafted with care and expertise to deliver superior results. Our dedication to quality and purity ensures that when you choose PurColla®, you're choosing a collagen supplement that truly stands out in the market.



pūrcolla Applications

NRG's PurColla® collagen peptides are naturally tasteless and odorless with superior solubility, which can be applied in various applications including:

- **Tablets**
- **Capsules**
- **Protein Bars**
- **Dairy Products**
- **Food & Beverages**
- **Powdered Products**



Supports skin elasticity and diminishes wrinkles.*



Strengthens and promotes healthy hair and nails.*



Promotes joint health by increasing mobility. Supports an increase in lean muscle mass.*



A key component of our digestive systems, it can boost your metabolism performance and support good digestion.*



Health. Harmony. Happiness.

purcolla.com



Specifications of Hydrolyzed Collagen Peptides (100% from Bovine Bone)

FINE POWDER Item#: SCRB-001A (PurColla®)

| Physical | Unit | Specification | Method |
|---------------------|------|------------------------------|--------|
| Appearance | - | Powder | Visual |
| Color | - | Off white/White/Light yellow | Visual |
| Moisture | % | ≤8.00 | USP-NF |
| Protein | % | ≥90.0 | AOAC |
| Molecular Weight | - | < 4000 | GPC |
| pH | - | ≤4.0-7.0 | USP |
| Ash | % | ≤2.00 | USP-NF |
| Insoluble Particles | % | ≤0.20 | USP |

| Amino Acid | Percentage/wt% |
|----------------|----------------|
| Alanine | 9.37 |
| Arginine | 7.49 |
| Aspartic | 5.4 |
| Glutamic | 9.68 |
| Glycine | 22.77 |
| Histidine | 0.59 |
| Hydroxyproline | 11.2 |
| Isoleucine | 1.5 |
| Leucine | 2.94 |
| Lydroxylysine | 0.65 |
| Lysine | 3.7 |
| Methionine | 0.66 |
| Phenylalanine | 1.8 |
| Proline | 13.09 |
| Serine | 2.9 |
| Threonine | 1.95 |
| Tyrosine | 0.16 |
| Valine | 2.51 |

| Chemical | Unit | Specification | Method |
|---|-------|---------------|--------------|
| Reducing Substances (SO ₂) | mg/kg | ≤50 | USP39 |
| Residual Hydrogen Peroxide (H ₂ O ₂) | mg/kg | ≤10 | USP39 |
| Arsenic (As) | mg/kg | ≤0.5000 | USP (ICP-MS) |
| Chromium (Cr) | mg/kg | ≤2.0000 | USP (ICP-MS) |
| Lead (Pb) | mg/kg | ≤0.2000 | USP (ICP-MS) |
| Mercury (Hg) | mg/kg | ≤0.1000 | USP (ICP-MS) |
| Cadmium (Cd) | mg/kg | ≤0.1000 | USP (ICP-MS) |

| Microbiological | Unit | Specification | Method |
|-----------------------|-------|---------------|----------|
| Standard Plate Count | cfu/g | ≤1000 | USP <61> |
| Coliform | cfu/g | ≤10 | AOAC |
| Yeast and Mold | cfu/g | ≤100 | USP <61> |
| E. Coli | /10g | Absent | USP <62> |
| Salmonella | /10g | Absent | USP <62> |
| Staphylococcus aureus | /10g | Absent | USP |

pūrcolla® | FULL SPECTRUM COLLAGEN

Packaging: Kraft multi-walled bag, food grade PE inner bag.

Net Weight: 20kg/bag

Storage Conditions: Dry, cool, odorless, sealed, away from moisture and direct sunlight.

Shelf Life: 36 months

Source: South America

Nutrition Values

| Items | Per 100g |
|---------------------|----------|
| Energy | 379kcal |
| Total Fat | 0g |
| Saturated Fat | 0g |
| Trans Fat | 0g |
| Cholesterol | 0mg |
| Total Carbohydrates | 0g |
| Dietary Fiber | 0g |
| Total Sugars | 0g |
| Added Sugars | 0g |
| Protein | 93g |
| Vitamin D | 0mcg |
| Vitamin A | 0mcg |
| Calcium | 12mg |
| Iron | 0g |
| Potassium | 0g |