

NUTRITIONAL PRODUCTS TO MEET TODAY'S HEALTH DEMANDS



Reaching Further Together


Rousselot

DARLING
INGREDIENTS



KEEPING AHEAD OF TRENDS

The population is increasing, more of us are living longer, and at every life-stage we now have higher expectations regarding health and food. As experts in the nutritional field, we at Rousselot are excited to see customers of all ages taking responsibility for their health, and looking for the next product that can help them remain active and stay mobile for as long as possible. We know your customers take their health seriously. And we do the same.

YOUR CHALLENGES IN TODAY'S MARKET

As a manufacturer of effective nutrition solutions, you face numerous challenges in today's market. Health and health-related issues remain at the top of the agenda. At Rousselot, we do not only recognize the opportunities these challenges present, we're also equipped to help you make the most of them.

Staying on trend

With customer needs constantly changing, you must always be formulating and reformulating in order to create products of the highest quality.

- Healthier foods with less fat and sugar to help people feel fit
- Protein fortified foods for active and senior nutrition

- Functional foods and beverages designed to offer consumers specific health benefits
- Dietary supplements with proven effectiveness and attractive delivery formats
- Nutri-cosmetics are witnessing an exciting rise in Western markets. It's not just Asia!

Developing new products

Competition is hot and change is rapid. As a manufacturer, you have to keep making sure you have a unique concept brand – and find a space in the market that you can fill.

Educating consumers

Today's consumers are hungry for knowledge. Your task is to make sure they can learn all they want to about their health and what your product does to benefit them.

Following global and local regulations

Along with markets, regulations are also changing. As a manufacturer, you have to stay up-to-date with the numerous regulations surrounding the production and labeling of nutritional products.

NUTRITIONAL SOLUTIONS THAT SATISFY

As the world's leading producer of gelatin and collagen peptides, we understand the food and nutraceutical markets. We are committed to driving your business forward and helping you achieve your goals. Working in partnership with you, we can deliver innovative and advanced ingredient solutions manufactured in state-of-the-art operations.

Our portfolio and range of services are designed to mirror what is happening – or about to happen – in your market.

- Peptan® collagen peptides for functional foods, beverages and dietary supplements
- Rousselot® ProTake™ for protein enriched foods
- Rousselot® Gelatin for traditional and new dosage forms

Proven health benefits

Consumers are now more interested than ever in the benefits provided by nutritionally enhanced foods, drinks and dietary supplements. As a manufacturer, you need to rely on ingredients that offer strong scientific efficacy. Our solutions for the health market are backed by scientific research to ensure that you will have long-term success.

Safe and natural products

Today's consumers want to be assured that the ingredients they consume are natural and safe. Our portfolio will enable you to fully deliver on these consumers demand.

Formulation is key

Our application laboratories can help you optimize nutrition and health benefits, making sure product taste and consumer appeal stay in focus. Whichever Rousselot solution you choose for your health or protein enriched products, we will help you achieve the right formulation and get to market faster.

Expertise in pharma, food and nutrition

Combining our unique knowledge in food, pharma and nutrition, our experts are well positioned to help you develop innovative delivery forms with higher consumer acceptance.



PEPTAN® THE WORLD'S LEADING COLLAGEN PEPTIDES BRAND



Produced and marketed by Rousselot, Peptan is the world's leading collagen peptides brand. Peptan is the active ingredient of choice for manufacturers all around the world who are looking to create exciting nutraceuticals.

PEPTAN OFFERS PROVEN BENEFITS IN FOUR KEY AREAS

Peptan collagen peptides are natural, high-purity, bioactive ingredients. The peptides are produced using a gentle enzymatic process which optimizes digestibility and bioactivity, offering a superior performance and multiple health benefits not found in any other protein source. Numerous scientific studies, including *in vitro*, *in vivo* and clinical research, have demonstrated Peptan's ability to promote healthy living across four key areas:

Healthy aging

Peptan has been proven to support mobility, helping healthy agers to maintain their physical well-being and active lifestyles.

Bone and joint health

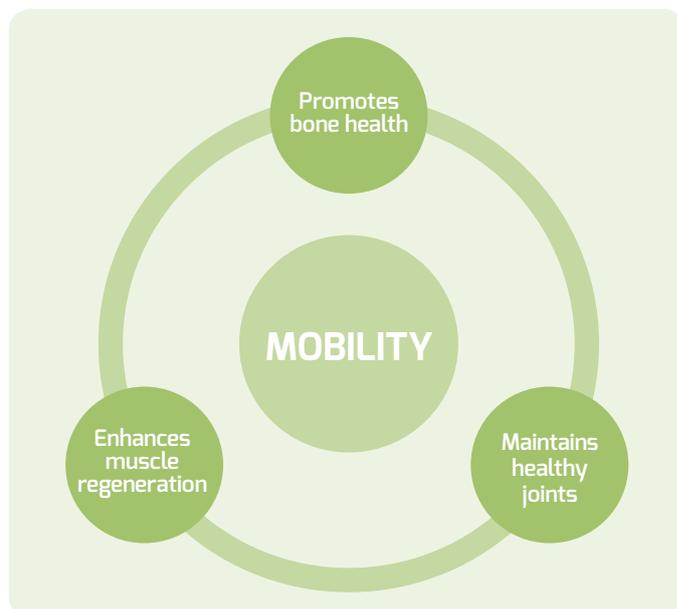
Peptan has been proven to improve joint function and joint flexibility, while maintaining bone health – crucial qualities for active people and for aging consumers.

Skin beauty

Beauty from within or nutricosmetics, represents a growing market worldwide led by collagen. Peptan is a preferred choice based on its proven anti-aging and beauty benefits.

Sports nutrition

Peptan collagen peptides are a part of many new foods and dietary concepts aimed at supporting sport recovery and heightening performance levels.



PROTAKE™ PURE, NATURAL PROTEIN FOR HEALTHIER PROFILING



THE ULTIMATE PROTEIN ENRICHMENT SOLUTION

ProTake is a high-quality hydrolyzed gelatin that contains a minimum of 90% protein. Depending on the protein content of your final product, it allows you to design products that can be labelled 'source of protein', 'High in protein' or 'Protein enriched'. An alternative, ProTake contains no fat and is carbohydrate-free. It contains 18 different amino acids, including 8 out of 9 essential amino acids.

Ideal for:

- Powder blends
- Nutritional bars
- Soups
- Ready-to-eat products



LESS SUGAR AND FAT, THE SAME TEXTURE, FLAVOR AND FEEL

Reformulating with the purpose of cutting down sugar and fat contents involves a lot of technical challenges, as both ingredients are often vital to flavor and mouthfeel. With ProTake, you will have that problem covered. Using ProTake, you can develop products with the same texture, creaminess and mouthfeel as full-fat alternatives. This is because ProTake melts at body temperature. It also contains fewer calories than fat and has excellent water retention qualities.

PROTAKE'S UNIQUE BENEFITS

Thanks to its versatility, ProTake is easy for you to integrate in many applications cost-effectively. ProTake is also GMO- and allergen-free (EU Regulation 1169/2011). The fact that it has no taste or odor means you can use it in a wide variety of products.

Please check with your Rousselot sales representative whether this product is on sales in your country and which origin is available.



ROUSSELOT WORLD CLASS GELATIN FOR THE MOST WIDELY ACCEPTED DOSAGE FORMS

In the nutraceutical market a lot of different dosage forms are used in which gelatin plays a key role. With Rousselot, you have access to exceptional understanding in formulation expertise and an extensive portfolio of high-quality gelatins. Our R&D teams, application laboratories, and technical support staff can help you with all technical challenges. Each of us is committed to driving your business forward.

HARD AND SOFT CAPSULES

Capsules are a well-known dosage form. They are traditionally made with gelatin. At Rousselot, our natural excipient gelatin offers strong processing advantages. Thanks to its unique film forming functionality and its very specific characteristics, gelatin makes the best of your production process and is efficient in use. Because of its thermo-reversibility, capsule shells made with gelatin can even be reworked.

Our gelatin's optimum melting properties allow for rapid, effective release of the APIs or nutrients in the body. Furthermore, the resilience of the gelatin shell prevents brittleness and loss of shape, while also perfectly protecting the active ingredients from oxidation.



FORTIFIED FOOD PRODUCTS

Our experts can help you develop new delivery forms which will efficiently carry and release the nutrients, while offering higher taste and swallow convenience. These forms include gummies, soft chew, gels, and almost any other delivery form you may wish to use. Another example of an innovative delivery concept: quality ready-made meals, coated with a gelatin glaze to encapsulate nutrients.

OUR THREE PROMISES TO YOU



We collaborate with customers all over the world, creating world class products, manufactured through our state-of-the-art operations with an unshakeable commitment to quality, safety and sustainability.

At Rousselot, we offer you three promises you can count on.

ROUSSELOT® PROMISE 1: WORLDWIDE EXPERTISE

You will benefit from global expertise and the support of dedicated local teams to secure the best solution for you.

ROUSSELOT® PROMISE 2: HIGHEST STANDARDS

You can rely on world class products that meet the highest global quality and safety standards, delivered in spec and on time.

ROUSSELOT® PROMISE 3: FULL RESPONSIBILITY

You can be certain we take full responsibility for our actions. We hold ourselves to the highest standards, whether it be in terms of our commitment to respect the environment, or through the integrity and transparency we show you.



OUR SALES OFFICES AROUND THE WORLD

EUROPE, MIDDLE EAST, AFRICA

europa@rousselot.com

Northern, Central and Eastern Europe, UK and Ireland

Rousselot B.V.B.A.
Meulestedekaai 81
9000 Gent Belgium
+32 9 255 18 60

France, Southern Europe, Middle-East, Africa

Rousselot S.A.S.
4 rue de l'abreuvoir
92400 Courbevoie France
+33 1 46 67 87 00

Spain and Portugal

Rousselot Gelatin S.L.
Paratge Pont de Torrent, S/N
17464 Cervia de Ter (Girona) Spain
+34 972 49 67 00

SOUTH AMERICA AND CENTRAL AMERICA

rousselot.brasil@rousselot.com

Brazil

Rousselot Gelatinas Do Brasil LTDA
Rua Santo Agostinho, N° 280
Distrito de Arcadas
CEP 13908-080
Amparo - São Paulo Brasil
+ 55 19 3907 9000

South and Central America (except Brazil)

Rousselot Argentina S.A.
Avenida Gobernador Vergara 2532
1688 Villa Tesei - Hurlingham
(Provincia de Buenos Aires) Argentina
+ 54 11 44 89 81 00

NORTH AMERICA AND MEXICO

gelatin.usa@rousselot.com

Rousselot Inc.
1231 South Rochester Street, Suite 250
Mukwonago, WI 53149 USA
+1 888 455 3556

CHINA

info@rousselotchina.com

Rousselot China
25/A, No. 18 North Cao Xi Road
Shanghai - PO: 200030 China
+86 21 6427 7337

JAPAN AND SOUTH KOREA

japan@rousselot.com

Rousselot Japan K.K.
Ishikin-nihonbashi Bldg, 6F
4-14-7 Nihonbashihoncho, Chuo-Ku,
Tokyo 103-0023 Japan
+81 3 5643 7701

SOUTH EAST ASIA

sea@rousselot.com

Taiwan, Hong Kong, Australia, New Zealand, India and Sri Lanka

Rousselot (M) SDN. BHD.
Block P3-21, Plaza Damas
Jalan Sri Hartamas 1
50480 Kuala Lumpur Malaysia
+603 6201 8282

Your Rousselot and Peptan sales contact:

About Rousselot. Reaching Further Together.

Rousselot is a brand of Darling Ingredients Inc. Rousselot is the global leader¹ of gelatin and collagen peptides. Rousselot's wide range of collagen peptides are marketed under the Peptan brand. We work in partnership with our customers all over the world, delivering innovative and advanced ingredient solutions manufactured through state of the art operations. We help our customers achieve their goals, enabling them to create world class pharmaceutical, food and nutritional products to inspire and excite today's demanding consumers.

¹ Global Industry Analysts, Inc, Gelatin a Global Strategic Business report, Nov 2016

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Rousselot Headquarters:

Rousselot B.V. Kanaaldijk Noord 20 5691 NM Son The Netherlands
Phone: +31 499 364 100 gelatin@rousselot.com

rousselot.com

