

Natra

Range



*“Our NatraRange of
products are an essential
part of a healthy lifestyle”*

Represented by



Natra

Range

Our NatraRange of products are an essential part of a healthy lifestyle, produced from cows free of exotic diseases and fed from the lush green pastures of Australia.

The NatraRange of products are manufactured under strict quality procedures by leading edge technologies and a technically skilled work force.

NatraPro	▶	[Proteins]
NatraCal	▶	[Calcium]
NatraStart	▶	[Infant Formula]
NatraBoost	▶	[Sports]
NatraFerrin	▶	[Lactoferrin]
NatraLife	▶	[Colostrum]

NatraPro

[Proteins]

1. Caseins

NatraPro Caseins are suitable for a wide range of food systems that require protein fortification and emulsification. Caseins have a bland flavour profile and are ideally suited for nutritional food.

Products

- Mineral Acid Casein
- Rennet Casein
- Lactic Casein

Properties

Mineral and Lactic Casein

- Low in calcium and phosphates
- Solubilized by increasing pH
- Very good flavour stability
- Heat stable
- Very good nutritive value (by definition PER 2.5)

Rennet Casein

- High in calcium and phosphates
- Solubilized by sequestering the calcium
- Excellent flavour stability
- Very good nutritive value (by definition PER 2.5)

Applications

- Meat products
- Coffee whiteners and creamers
- Whipped toppings
- Bakery
- Beverages
- Ice cream / frozen desserts
- Confectionery
- Cheese products

2. Caseinates

NatraPro Caseinates are a soluble form of casein suitable for a wide range of food and nutraceutical products requiring protein fortification, emulsification and high nutritive value.

Products

- Sodium Caseinate
- Potassium Caseinate
- Calcium Caseinate (Heat Stable)
- Calcium Caseinate (Instant)
- Calcium Caseinate (Dispersible)
- Calcium Caseinate (Agglomerated)

NatraPro continued...

Properties

- Soluble in water
- High water absorption
- Gelling properties
- High fat emulsification
- High surfactant properties
- Add texture
- High in essential amino acids

Applications

- Meat products
- Baked products and cereals
- Whipped toppings
- Ice cream and frozen desserts
- Coffee whiteners and creamers
- Nutritional drinks, instant breakfasts, imitation milks
- Cultured milk products, soups and gravies
- High fat powders, shortenings and spreads
- Infant foods
- Pasta products and snack foods
- Confectionery
- Cheese products
- Nutraceutical products

3. Milk Protein Concentrates

NatraPro Milk Protein Concentrates have a wide range of uses in nutritional and functional food systems. Manufactured by unique low temperature processing, the protein fractions remain in their native state.

Products

- MPC 56
- MPC 70
- MPC 80
- MPC 80 (Instant)
- MPC 80 (Medium Heat)

Properties

- Soluble at 40°C to 60°C
(Instant varieties at room temperature)
- Very high protein solubility
- Low viscosity
- Medium foaming capacity
- Low dust
- High in calcium
- High in bioactive proteins
- Excellent amino acid balance
between casein and whey proteins

Applications

- Nutritional beverages
- Dietary products
- Sports nutrition
- Desserts
- Infant formula
- Bar manufacture
- Nutraceutical foods
- Powdered formulations
- Cheese products
- Bakery products

4. Whey Protein Concentrates

NatraPro Whey Protein Concentrates have the highest biological value of all the proteins making them suitable for a wide range of nutraceutical and functional food systems. Whey Protein Concentrates contain minerals for bone strength plus essential and non essential amino acids.

Products

- WPC 55
- WPC 80 (Nutritional)
- WPC 80 (Instant)
- WPC 80 (High Gelling)

Properties

- Highly soluble over wide pH range
- Formation of a highly stable film
- Stable fat emulsions
- High water binding and thickening
- Undergoes browning with lactose
- Bland flavour and aroma
- High in bioactive proteins
- High in nutritional value

Applications

- Infant / aged food formulations
- Clinical, sports, nutritional and dietetic foods
- Health beverages
- Meat products
- Protein supplementation
- Bakery products
- Confections

5. Whey Protein Isolate

NatraPro Whey Protein Isolate is a pure form of Whey Protein with very low levels of lactose and minerals. WPI is a multifunctional food ingredient providing benefits which range from general to clinical nutrition.

Products

- WPI 90 (Enhanced with Glycomacropeptide)
- WPI 90 (GMP enhanced Instant variety)
- WPI 90 (Enhanced with Bioactive Proteins)
- WPI 90 (Enhanced with Beta Lactoglobulin)
- WPI 90 (BLG enhanced Instant variety)

Potential Health Benefits

- Improved calcium absorption
- Reduction in dental caries
- Antibacterial properties
- Appetite suppression
- Binding of microbiological toxins
- Low phenylalanine content
- Improvement to the immune system
- High in branched chain amino acids (BCAAs)

Applications

- Flavoured powders
- Sports and health drinks
- Protein fortification
- Nutritional supplements
- Health bars
- Acidic drinks

NatraCal

[Calcium]

NatraCal milk calcium is a rich source of milk calcium and has the ideal calcium:phosphorus ratio of 2:1, which enhances bone health. Milk calcium is generally considered to be more biologically available than calcium in cereals and vegetables.

Calcium is essential for many body functions.

Products

- Milk Calcium 24%
- Milk Calcium 24% (microfine)
- Milk Calcium 20%
- Milk Calcium 20% (microfine)
- Ezy Cal 10%

Applications

- Tablets
- Powders
- Calcium supplementation
- Health bars
- Nutritional foods
- Health drinks
- Bakery

Potential Health Benefits

- Bone Health
- Regulation of blood pressure and hypertension
- Control of growth of colon cancer
- Decreased risk of kidney stones
- Weight loss

NatraStart

[Infant Formula]

NatraStart is a range of specially formulated products designed to provide premium quality nutritional solutions for infants, young children and expectant mothers. These products are manufactured at MG Nutritional's specialty powder facility in Cobram, Victoria, which has a highly flexible operation enabling fortification of the base formulation with a multitude of functional ingredients to tailor our customer's final product. Wet and dry, oil or water based additions can all be made to the product in a manner which ensures the functional integrity of the ingredients are maintained and their benefits reach the consumer.

The range of products available as either a finished formulation or as a basis for further customisation are:

- Infant formula
- Follow-on formula
- Expectant mother formula

Packaging format options:

- Sachets (60g to 2kg)
- Cans (127mm and 99mm diameters)
- Bulk bags

NatraBoost

[Sports]

NatraBoost range of sports food ingredients are specifically designed to meet the needs of elite body builders and athletes. The NatraBoost ingredients provide a base protein for either further addition of ingredients or packing into retail packs.

Products

• NatraBoost Active

Customised Whey Protein Isolate with active proteins that aid in recovery and immunoglobulins that prevent training downtime by maintaining good health.

• NatraBoost Rapid

Propriety blend of Whey Protein Isolates and predigested proteins containing amino acids and peptides which give optimal absorption of proteins and rapid muscle growth.

• NatraBoost Fuel

Unique blend of Whey Protein Isolates and Colostrum giving the benefits of the purest form of Whey Protein with the benefits of natural growth factors found in first milk.

• NatraBoost Extreme

Formulated protein drink available in a variety of delicious flavours designed for maximum muscle enhancement.

Potential Health Benefits

- Ion-exchange whey protein isolate for building muscle
- High in branched chain amino acids to aid in recovery
- High in essential amino acids
- Easy digestible
- High aeration, foaming and water binding properties
- Low fat
- High energy carbohydrates

Applications

- Sports and health drinks
- Protein fortification
- Nutritional supplements
- Powdered health products

NatraFerrin

[Lactoferrin]

NatraFerrin is a pure form of bovine lactoferrin which naturally occurs in milk as a glycoprotein and has a high affinity for iron. Lactoferrin has properties that play a role in human cellular response systems that protect the body from infections.

Products

- Bovine Lactoferrin

Potential Health Benefits

- Acts as an iron transporting and scavenging molecule controlling damaging free radicals
- Is a natural anti-oxidant helping make the body less susceptible to heart disease, cancer and the aging process
- Reduces the effects of iron deficiency and anaemia
- By protection of lymphocytes reduces inflammation and enhances immunity
- Has antiviral activity by inhibiting absorption that may prevent entry of viruses like HIV and Herpes
- Controls cell and tissue damage
- Control of pathogenic organisms in the gut

Applications

- Nutritional Foods
- Tablets and lozenges
- Clinical nutrition
- Infant nutrition
- Sports drinks
- Iron enriched foods
- Pro biotic yoghurts
- Nutraceutical products

NatraLife

[Colostrum]

NatraLife colostrum is rich in a multitude of biologically active components, which are essential for good health and development. In addition to bioactive components, bovine colostrum is a source of high quality proteins, minerals and vitamins for balanced nutrition plus optimal health and performance.

Potential Health Benefits

- Improved immune status
- Improved gastro intestinal health
- Improved physical performance in athletes
- High in growth factors
- Anti bacterial and antiviral
- High in immunoglobulins
- High in bioactive proteins
- Stimulates tissue repair

Applications

- Powder supplements
- Tablets
- Health foods
- Health drinks

New Product Developments

MG Nutritionals has an exciting new product development program that will see the following new products commercialised in the near future.

Fractionated Milk Protein

Fractionated milk protein is a mixture of lactoferrin, lactoperoxidase and IgG. The proteins will be available either in a purified form or as a mixture depending upon the application.

Growth Factors

An enriched form of growth factors will be available from MG Nutritionals. It has been shown that growth factors stimulate normal growth as well as help regenerate and accelerate the repair of aged or injured muscle, skin collagen, bone, cartilage and nerve tissues.

Glycomacropeptide

A highly concentrated form of GMP has application for digestion and appetite suppression plus is high in sialic acid. Obtained from sweet whey, GMP is a bioactive peptide and is also low in phenylalanine making it suitable for phenylketonuria (PKU) nutrition.

Hydrolysates

A number of whey hydrolysates are being developed for infant milk formulations and with specific functionality for health bars and drinks. Hydrolysates from MGN have an excellent flavour profile and have benefits in reducing milk protein allergies.

Peptides

Peptides are being developed for a wide range of health benefits by the enzymatic hydrolysis of milk proteins.



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The information contained herein is only intended to provide, where relevant, scientific information on the potential of dairy ingredients as a part of a healthy diet.

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