



Functional Food Factsheet

Key Features

- Whole fruit powder made from 100% gold kiwifruit, delivering a sweet tropical taste and vibrant golden colour.
- Approved function claims from: Health Canada ([please see appendices](#))
- The most nutrient-dense prebiotic - Clinically proven to increase *Faecalibacterium prausnitzii* by over 100% – supporting microbiome health and immune function.
- Rich in Vitamin C, dietary fibre, and pectin – scientifically validated to support gut microbiome diversity and reduce bloating at low daily dosages (600 mg).
- Grown and processed in New Zealand using Target BioLock manufacturing technology for peak bioactive retention.



Target Bio-Lock™
Freeze Drying

- Non-GMO, gluten-free, vegan, Kosher, Halal, GRAS, low FODMAP, allergen-free.
- Certified Organic variant available.
- Suitable for a variety of functional food formats including beverages, bars, cereals, yoghurts (puree or non-dairy), and supplements.



Product Specification

Shelf Life



36 months

Bulk Density



0.65 g/mL

pH



3.4

Solubility



77%

Standardized Bioactive



Vitamin C,
Actinidin, Pectin
(Degree of Hydrolysis)

Sugar %



Low GI Index

Water Activity



<0.2

Format



Powder

Dosage



600mg

Positioning



Microbiome
Modulation, Digestive
Comfort, Bloating

Most Suitable Product Categories

- Ready-to-drink smoothies & beverages
- Protein Powders and milk powders
- Shots and functional beverage concentrate
- Museli, Cereals, Bars
- Solid beverages, chewables, capsules



Processing guidelines:

Feiolix®'s bioactives are stable when exposed to a wide range of processing parameters typical in functional food manufacturing:

Pasteurization
72C - 90C

Batch Pasteurization
65C / 30 mins

Hot-Fill
80C

UHT
140C

Organoleptic Profile

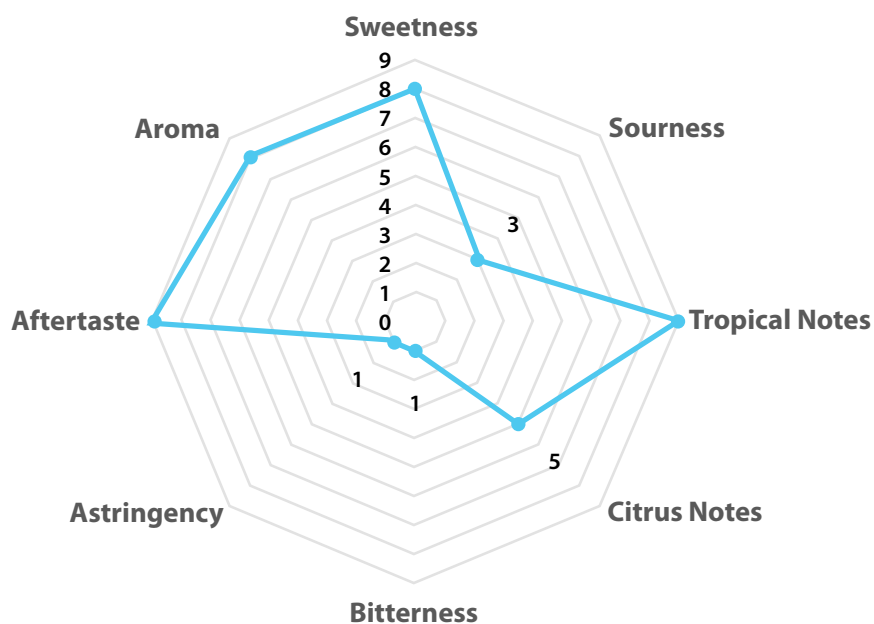
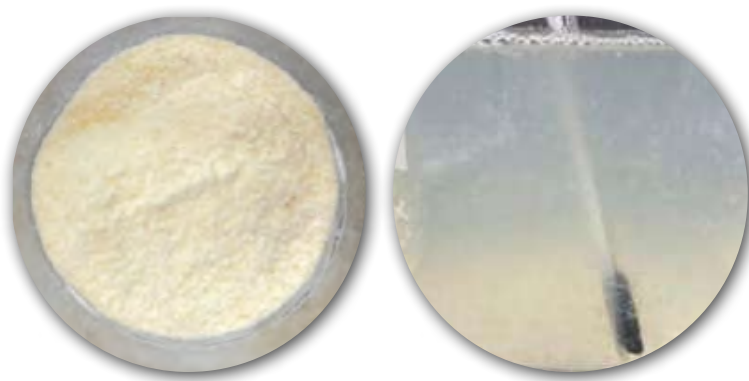


Figure 1. Organoleptic Spider Chart

- **Livaux®** is stable up to 110c for 5 minutes or UHT (for higher temperature requirements)
- Suitable for mixing with boiling water
- The dietary fibre in Livaux can withstand up to 180c without degrading
- Bioactives and organoleptics stable for up to two years once manufactured
- pH Stable in acidic liquids (suitable for Kombuchas, Smoothies)



Powder Format:

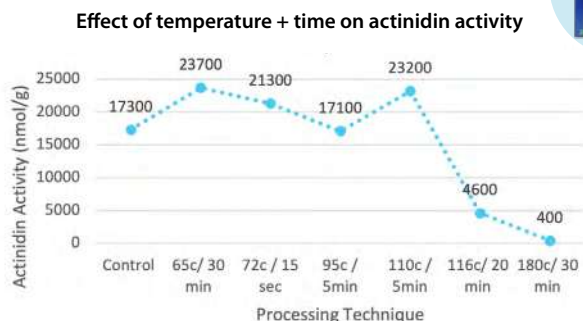


Figure 2. Total Actinidin content of Livaux (solid powder) at different processing parameters

pH Stability at different processing temperatures:

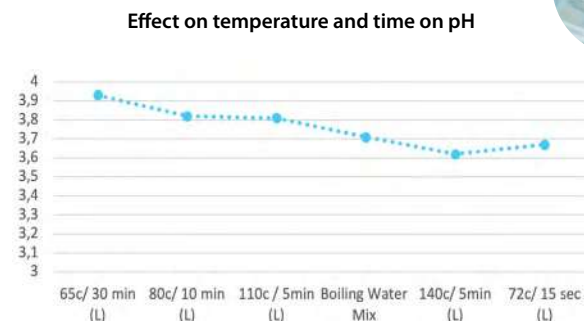


Figure 3. Effect of different processing parameters on Livaux's pH, which remains stable across the board

Particle Size Distribution

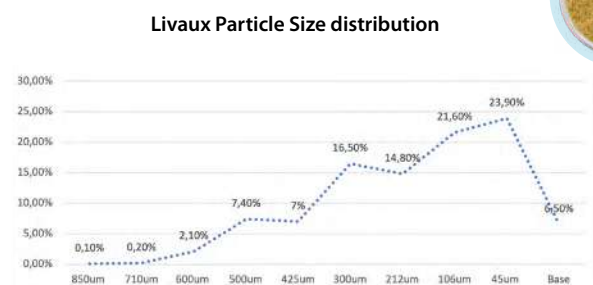
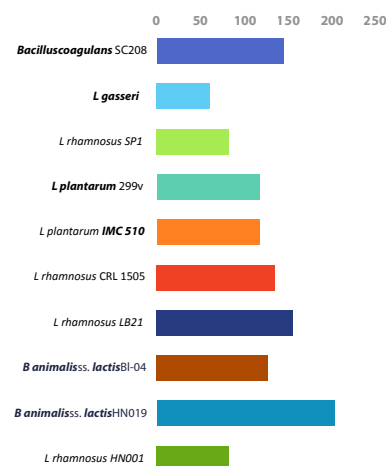


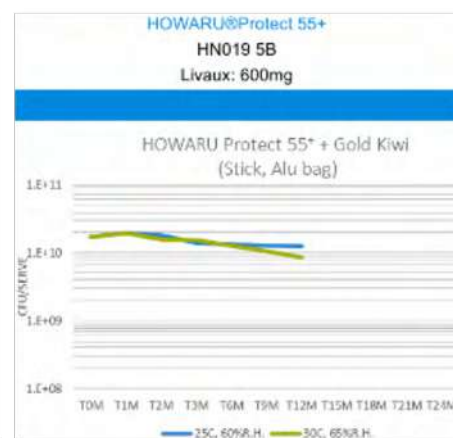
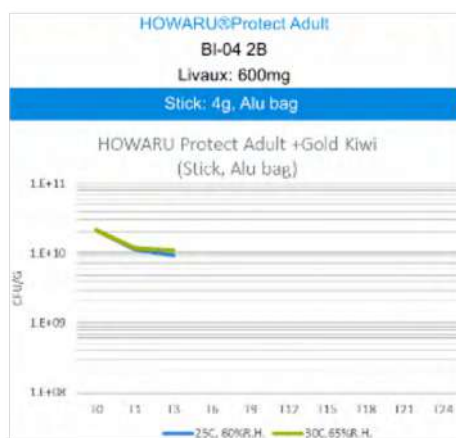
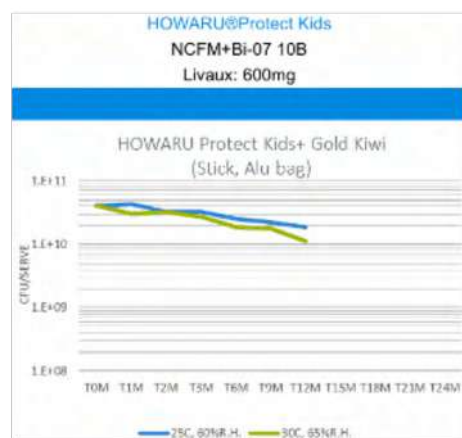
Figure 4. Total Abscisc Acid content of Feolix in different water compositions and processing treatments

Synbiotic Synergy and Stability

Livaux® has been proven to be complimentary to growing probiotic strains and is stable over 12 months when formulated with probiotics.



Stability of probiotics with Livaux® in a stick sachet



For more information,
please contact: info@anagenix.com

Anagenix®

Health Benefits of Livaux®:

Livaux® is a clinically proven, precision prebiotic derived from New Zealand gold kiwifruit. It selectively nourishes *Faecalibacterium prausnitzii* (F. prau), a keystone gut bacterium known for its anti-inflammatory and other health benefits. **Livaux®** is effective at a low daily dose of 600 mg, making it an ideal ingredient for functional foods and supplements.



4 In Vitro Studies:

Demonstrate synbiotic benefits.



2 Clinical Trials:

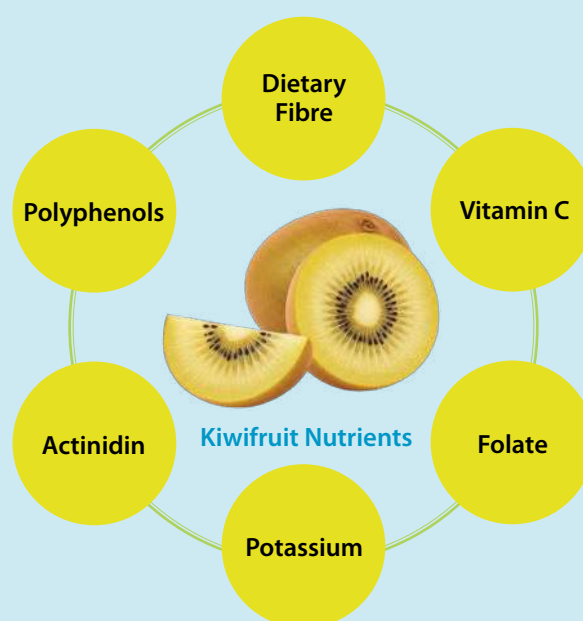
Published clinical studies show significant Increases F. prau by over 100% in 28 days and improvements in bowel regularity (CSBM) and bloating and other GI symptoms.^{1,2}

- **Increases *Faecalibacterium prausnitzii* Levels:** Boosts F. prau abundance by more than 100%, supporting gut health, reducing inflammation, and improving intestinal barrier function.
- **Reduces Bloating and Gas:** Demonstrated to decrease bloating by up to 47% and reduce hydrogenotrophic bacterial species linked to gas production.
- **Improves Bowel Movements:** Enhances stool frequency and consistency, with significant improvements in CSBM and BSFS scores over baseline in clinical trials.
- **Enhances Probiotic Growth and Stability:** Livaux enhances the growth and stability of probiotic strains, increasing their abundance by up to 200% in vitro at a low dose of 25 mg per billion CFU.

[1] Blatchford, P., et. al., 2017. *J Nutr Sci* 6, e52
[2] McKenn, S., et. al., 2025. *BCDF* 100468

Nutritional Information Panel

	Average Quantity per Low dose (650 mg) Serving	Average Quantity per 100g
Energy, kJ	8.8	1470
Energy, calories	2.1	351
Protein, g	0.02	4.0
Fat, total, g	0.01	1.3
Carbohydrate, g	0.45	75
Sugars, total, g	0.38	63
Dietary fibre, g	0.07	11
Sodium, mg	0.08	13



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Livaux

Livaux® Pro-biotic Electrolyte Drink Sachet

- A ready to mix sachet blending **Livaux®** with probiotics and electrolytes!
- A balanced sports nutrition supplement, tailored for endurance athletes to provide benefits for endurance, body composition and energy.
- **Livaux®** provides unique low dose prebiotic support for TWK10 working synergistically to promote digestive regularity, support beneficial gut bacteria, and improve nutrient absorption.
- Vegan, Non-GMO, low daily dose
- Proven probiotic stability, shelf stable for 2 years, easy transport and storage.

Unit net weight: 4g

Dosage per sachet or bottle: 600mg Livaux®

Ingredients:

Livaux®, TWK10 (*Lactobacillus Plantarum*), ABKEFIR (Electrolytes), Tableting Aids (Maltodextrin), Flavouring (Berry Flavouring), Sweetener



Sports Nutrition



Sport Recovery



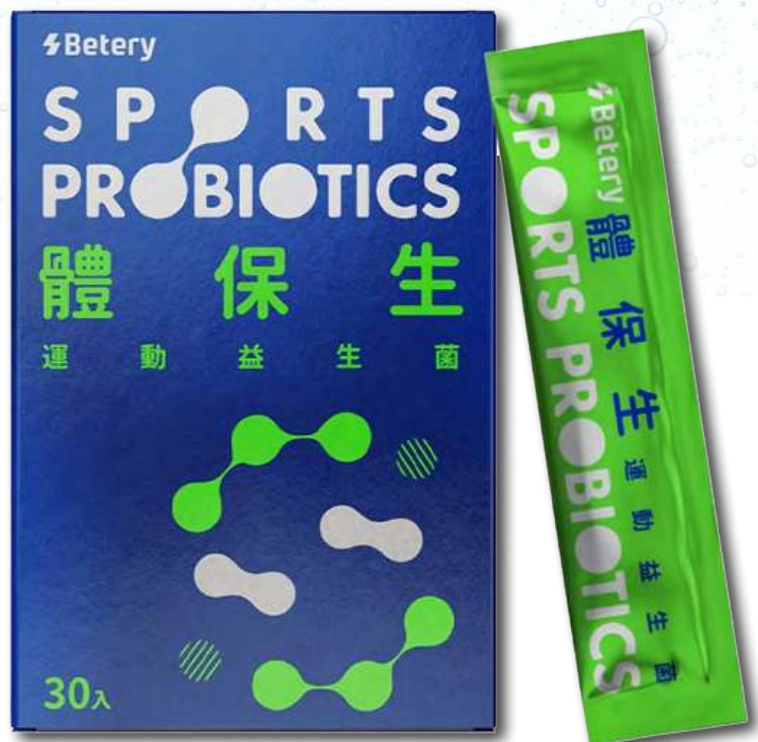
Microbiome Support

Health Benefits (KFDA, Taiwan)

- May help to improve endurance of exercise performance capability
- May help the reduction of exercise-associated fatigue and improvement of exercise performance

Formulation Guidelines:

- Low water activity (<0.2 aW) excipients essential for probiotic stability.
- Nu-Flow, Dextrin, Magnesium Stearate is a complimentary flow/ anti-caking agent for **Livaux®**, if needed.
- Lemon, Berries, Fruity Flavours, Yogurt Flavours are all complimentary flavours for **Livaux®**.
- Stability data available for one year.





Livaux® + LGG Postbiotic Gummies

- A pioneering advance in the functional food space! Combining a clinically validated prebiotic (Livaux®) with a world-leading probiotic to deliver postbiotic benefits in a stable, convenient, and palatable format.
- The world's first patented formulation combining Livaux® (gold kiwifruit powder) and LGG to generate postbiotics directly within the gummy matrix (Pre + Pro = Post)
- Prebiotic + Probiotic Synergy: Controlled heating of the gummy blend inactivates LGG, creating a heat-killed postbiotic that delivers immune and gut barrier benefits, while Livaux® supports the microbiome and acts as a natural stabiliser.
- Shelf-Stable & Safe: Unlike live probiotics, the postbiotic gummy does not require refrigeration and is suitable for all ages, including immunocompromised individuals.
- Pectin-based (vegan friendly), gold kiwifruit flavour, and only 0.5g of sugar per dose!

Unit net weight: 2g

Dosage per gummy: 600mg Livaux®

Ingredients:

Samyang Allulose Crystalline, Polydextrose, Samyang Fiberest LS, Ingredion Erysta, **Livaux®** Gold Kiwifruit, Lactobacillus Rhamnosus GG, HW StabiL CF 803, Redox Glycerin Syrup, Citric Acid 50% Solution, HW Olive Green 614, HW Sweetener BV, Water

Health Claims

- Maintain/support healthy digestion
- Managing symptoms of IBS
- Helps maintain a balanced microbiome

Formulation Guidelines:

- **Postbiotic Generation:** Postbiotic Generation: Controlled heating inactivates LGG, generating postbiotic bioactives in situ.
- **Enzyme Stability:** Actinidin (main bioactive) in **Livaux®** degrades gelatin, necessitating pectin as the gelling agent.
- **Temperature Sensitivity:** Ensure your formulation use on low temperature processing as actinidin denatures when kept above 90°C for longer than 5 minutes, requiring post-cooling addition.
- **pH Requirements:** Low-methoxyl (LM) pectin requires the use of calcium and works at higher pH (neutral or slightly acidic 5-7pH).
- **LM vs HM Pectin; Texture & Shelf Life:** LM pectin allows lower sugar content and softer texture (but requires calcium activation and higher pHs), HM pectin allows for a higher sugar content and firmer texture (but requires citric acid for a lower pH level).



Microbiome Enhancement



Digestive Comfort



Immune Modulation





Sparkling beverage

- Nutritional benefit of kiwifruit, every day use, with a fibre claim
- Shelf stable at ambient (two years), best served cold
- Additional ingredients easily added for immunity or brain health or probiotics!

Unit net weight: 100ml
Dosage per shot: 600mg Feiolix®

Ingredients:

Carbonated Filtered Water, New Zealand Lemon Juice (15%), New Zealand Cloudy Apple Concentrate, **Livaux®** Gold Kiwifruit (5%), Cassava Root, Antioxidant (Ascorbic Acid)



Gut Health / Gut comfort



Digestion, Bloating



IBS Symptoms

Health Claims (FSANZ, EFSA, Health Canada, TGA)

- Natural source of antioxidants
- Source of fibre

Formulation Guidelines:

- **Livaux®** has insoluble fibre (it's what makes it great!),
- Compatible with plant and dairy bases, hydrocolloids, thickeners, and most mainstream functional food ingredients
- Preservatives can be added if not processing with UHT or equivalent treatment, recommended Potassium and Sodium Benzoate, (add sucralose to mask their flavour)
- Malic acid is more compatible with **Livaux®** than citric acid

We are thrilled to partner with the Chia Sisters, to make this **Livaux®** beverage. Find it across NZ in all major supermarkets.



For more information,
please contact: info@anagenix.com

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Livaux® Protein Porridge

- A protein porridge with 17g of protein per serve, perfect for supporting muscle mass, maintenance & growth!
- **Livaux®** supports efficient protein digestion to help minimise bloating and gas after heavy protein shakes or meals, while nourishing the gut with prebiotic microbiome support. Perfect for gym enthusiasts and "high- protein" lifestyles.
- All natural, gluten free, clean label, with vitamins and minerals for additional mind and body support!
- Shelf stable (2 years), no additives required, Low dosage (600mg) addition

Unit net weight: 700g bag, Blend 70g

(5 x heaped tablespoons) of Tri Active Protein Smooth Porridge into 200ml of boiling water, milk or plant-based drink and stir well.

Dosage per scoop:

600mg of Livaux® per serving, 17g of protein

Ingredients:

Gluten Free Oat Flour (74%), Whey Protein (Milk) (18%), Calcium Carbonate, Natural Flavouring, Potassium Chloride, Magnesium Carbonate, Powdered Haskapa® (Lonicera Caerulea) Berries, Cinnamon Powder, **Livaux®** Freeze-Dried Gold Kiwifruit Powder, Choline Bitartrate, Vitamin C, Zinc Gluconate, Vitamin E, Manganese Gluconate, Niacin, Copper, Pantothenic Acid, Vitamin K2, Vitamin A, Vitamin D2, Vitamin D3, Vitamin B6, Vitamin K1, Vitamin B2, Vitamin B1, Chromium Picolinate, Vitamin B12, Folic Acid, Potassium Iodide, Sodium Molybdate, Sodium Selenite, Biotin.



**Sports Nutrition
and Recovery**



**Microbiome
and Health**



**Focus and
Mental Clarity**



Protein digestion



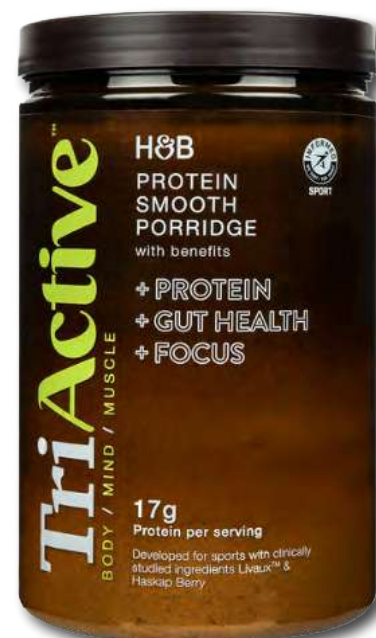
**Elderly protein
consumption**

Potential Label Claims

- Supports physical and mental performance
- Supports Happy Gut Health
- Supports Muscle Support and reduces fatigue
- Magnesium contributes to a reduction of tiredness and fatigue and to normal psychological function
- Vitamin B5 contributes to normal mental performance
- Calcium contributes to the normal function of digestive enzymes.

Formulation Guidelines:

- Nu-Flow is a complimentary flow/anti-caking agent for **Livaux®**, if needed
- **Livaux®** is much more dispersable than protein and other prebiotic powders, and works well in a bowl when stirred
- Pineapple, Berries, Fruity Flavours, Yogurt Flavours are all complementary flavours for Actazin in protein powders
- Stable in a boiling water preparation



Health Claim Appendices

Health Canada Claims:



Health
Canada



Australian Government
Department of Health, Disability and Ageing
Therapeutic Goods Administration

#	Statement	Subpopulation groups
1	Helps gently facilitate laxation.	All groups
2	Supports normal bowel function by promoting bowel regularity.	All groups
3	Helps supports protein digestion.	All groups
4	Source of proteolytic enzyme, actinidin.	All groups
5	Natural source of digestive enzymes from green kiwifruit.	All groups
6	Supports digestive comfort.	All groups
7	Helps reduce bloating and flatulence.	All groups
8	Helps reduce abdominal pain and discomfort.	All groups
9	Helps to increase stool frequency/bowel movements.	All groups
10	Helps to improve stool form/consistency.	All groups
11	Supports/maintains healthy bowel function/habits.	All groups
12	Prebiotic which helps stimulate the growth of healthy bacteria in the intestine/gut.	All groups
13	Digestive aid/enzyme that helps to digest proteins.	All groups
14	Source of (an) antioxidant(s)/Provides (an) antioxidant(s).	All groups
15	Source of (an) antioxidant(s)/Provides (an) antioxidant(s) that help(s) fight/protect (cell) against/reduce (the oxidative effect of/the oxidative damage caused by/cell damage caused by) free radicals.	All groups

FSANZ Claim:

Supports normal bowel function by promoting regularity



Additional Formats:

Anagenix is committed to providing support in your formulations, for more specific recommendations please reach out to us directly!



For more information, please contact:
info@anagenix.com