

ACTAZIN[®] Functional Food Factsheet

Health Benefits

Clinically proven to support digestive health, normalise bowel movements and improve digestive comfort.

- Improves bowel regularity
- Supports protein digestion
- Reduces bloating and improves gastrointestinal comfort
- Effective at a low daily dose of 600 mg
- FSANZ Bowel Regularity claim



Key Features

- Whole fruit powder made from 100% green kiwifruit, delivering vibrant colour and fresh taste.
- Approved function claims from: FSANZ, Health Canada ([please see appendices](#)), TGA Listed.
- Grown and processed in New Zealand using Target Bioblock manufacturing process for peak bioactive retention.
- Rich in actinidin enzyme and dietary fibre—clinically proven to support digestive health and regularity.
- Scientifically validated for improving protein digestion, reducing bloating, and supporting gastrointestinal comfort at low daily dosages (600 mg).
- 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 powders, non-dairy yoghurts, smoothies, gummies, and bars.

Product Specification

Shelf Life



36 months

Bulk Density



0.65 g/mL

pH



3.5

Solubility



74%

Standardized Bioactive



Actinidin, Pectin

Sugar



Low GI Index

Water Activity



<0.2

Format



Powder

Dosage



600mg

Positioning



Digestive Comfort, Protein Digestion, Constipation

Most Suitable Product Categories

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



Processing Guidelines:

Temperature, pH, and Bioactive Stability

Actazin'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 Score (0–10)

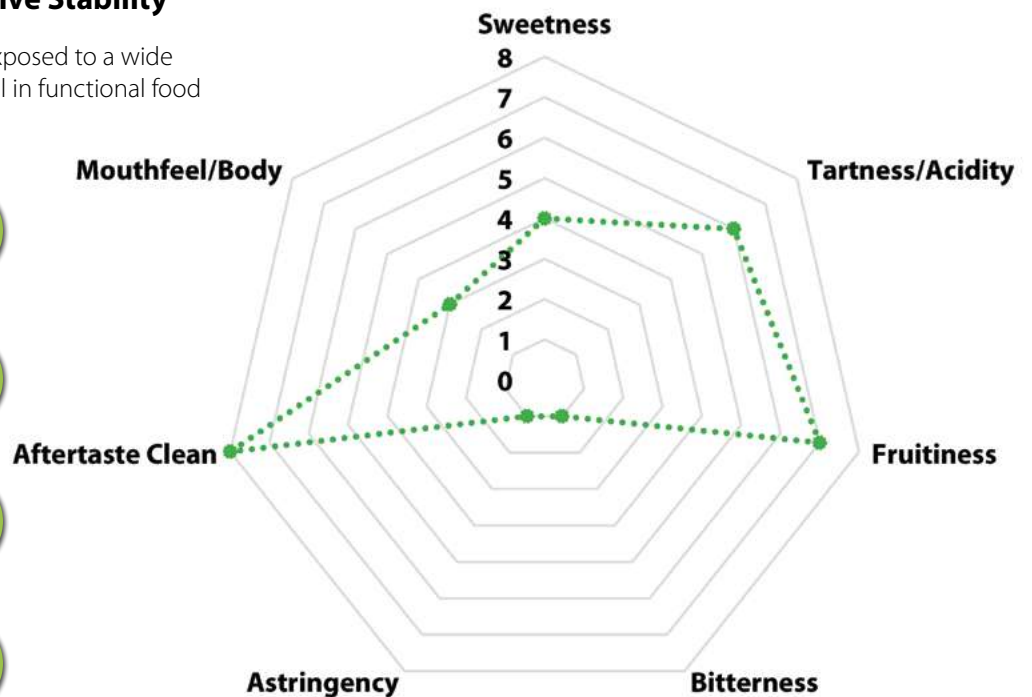
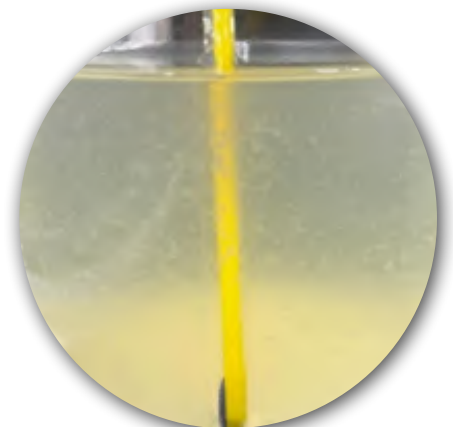


Figure 1. Organoleptic Spider Chart

- Actazin is stable up to 110c for 5 minutes or UHT (for higher temperature requirements)
- Suitable for mixing with boiling water
- The dietary fibre in Actazin 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:

Effect of Temperature + Time on Actinidin Activity

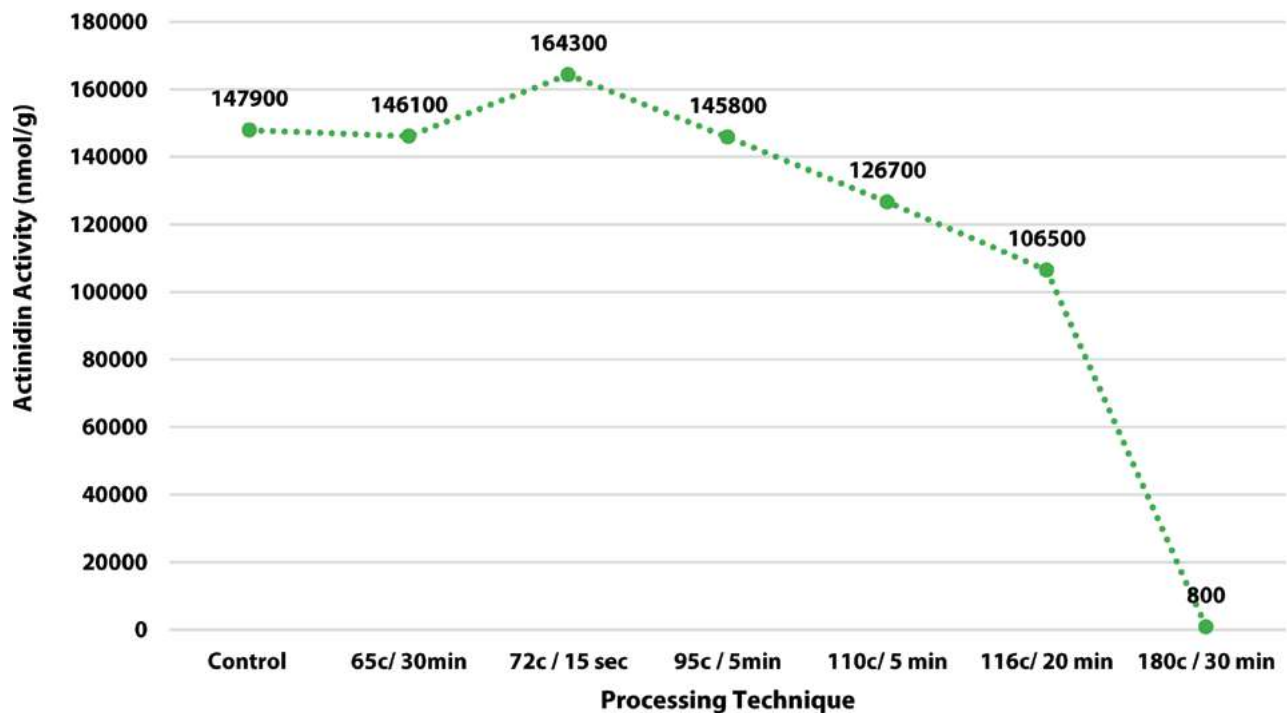


Figure 2. Total Actinidin content of Actazin (solid powder) at different processing parameters

pH Stability:

At different processing temperatures:

Effect of Temperature + Time on pH

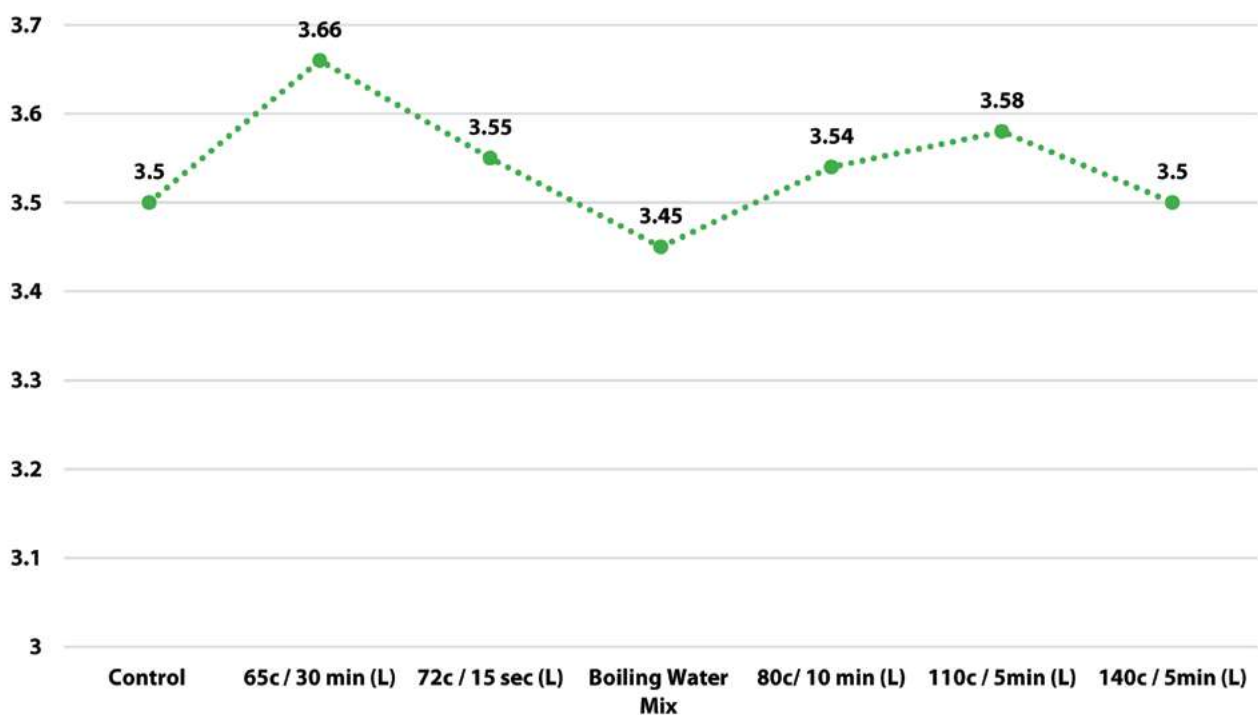


Figure 3. Effect of different processing parameters on Actazin's pH, which remains stable across the board

Particle size:

Particle Size Distribution of Actazin

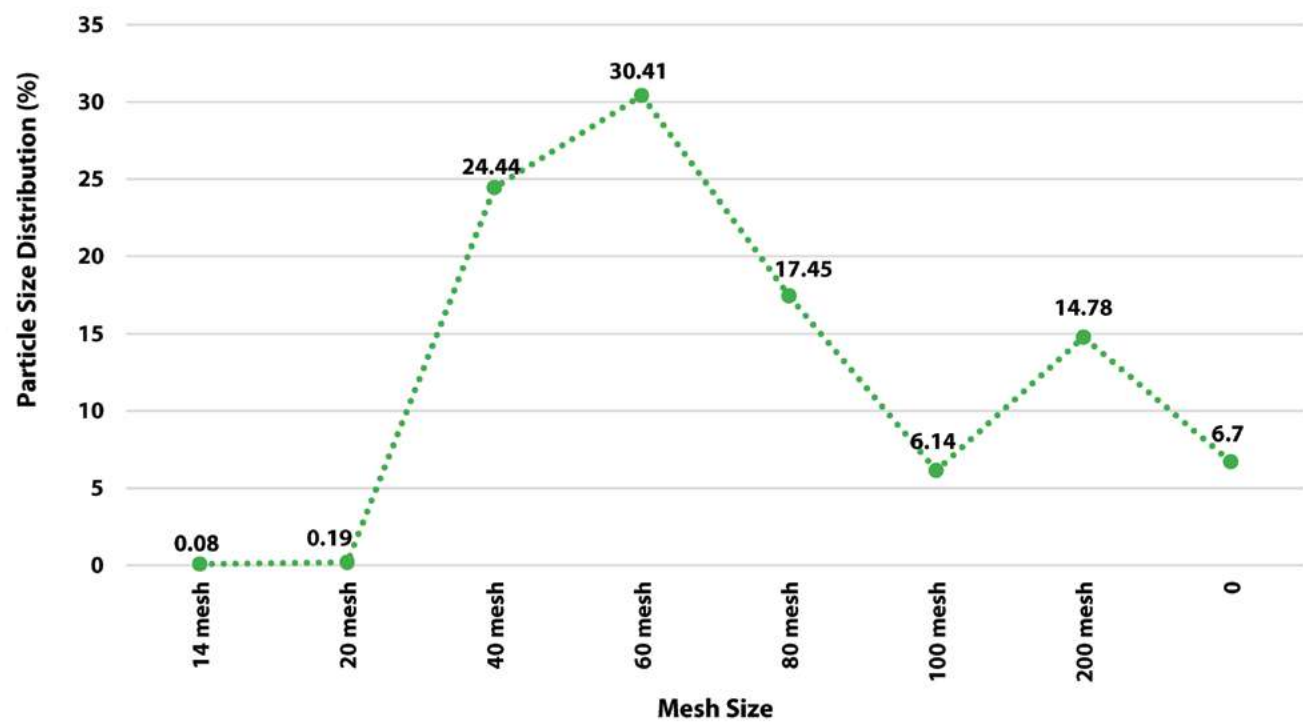
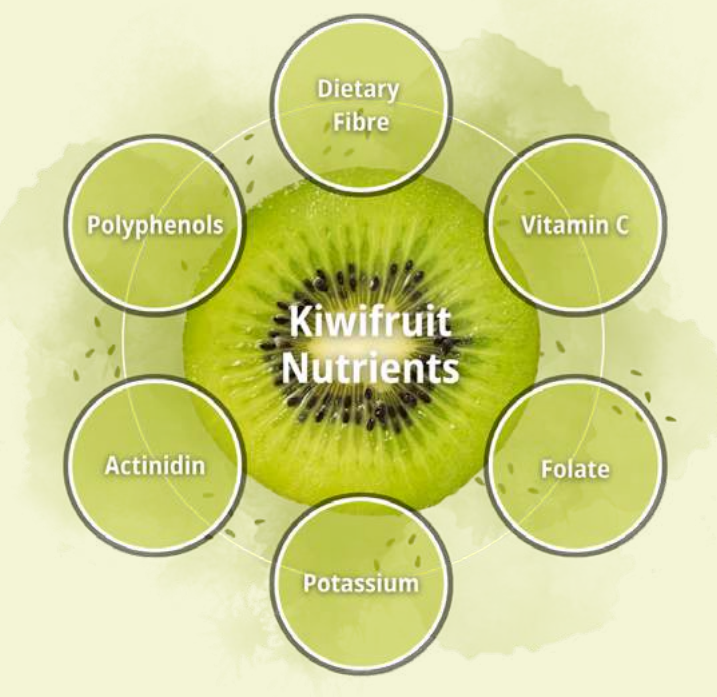


Figure 4. Particle size of Actazin

Nutritional Information Panel

	Average per Low Dose (600 mg)	Average per High Dose (2 g)	Average per 100g
Energy, kJ	8.7	29	1450
Energy, kcal	2.1	7	347
Protein, g	0.024	0.08	4.0
Fat, total, g	0.014	0.047	2.3
Carbohydrate, g	0.42	1.4	70
Sugars, total, g	0.29	0.97	49
Dietary fibre, g	0.085	0.28	14
Sodium, mg	0.081	0.27	14



Actazin Thrive

Unit net weight: 250mL

Dosage per sachet or bottle: 600mg

Ingredients:

Water, FOS, Natural Flavouring, **Actazin®**, Calcium Citrate, Black Tea extract, Citric Acid, Magnesium Sulphate, Sweetener (Erythritol), Brain Berry, Zinc Sulphate, Immuse, Raspberry Flavouring

- A ready-to-drink blending Actazin with FOS, Immuse, and Magnesium Sulfate
- A multi-category drink, perfect for supporting your gut, brain, and immunity!
- Every ingredient contributes to a FSANZ claim for the label!
- Light plum and raspberry flavour
- Shelf stable in can for easy transport and storage



Potential Label Claims

- Supports normal bowel function by promoting regularity
- Excellent source of fibre
- Contributes to the normal function of digestive enzymes
- Stimulates a healthy immune response
- Contributes to normal physiological function

Positioning

- Gut comfort/ Constipation
- Immunity
- Cognitive health
- Protein digestion

Actazin Gummies

Unit net weight: 4g

Dosage per yogurt: 600mg Actazin

Ingredients:

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



Positioning

- Gut Comfort
- Bloating, Constipation, Gas
- Children's Health
- Detox

- Delicious tasting, green kiwifruit gummies that deliver an effective Actazin dose per serve
- Children and adult friendly, On the go-constipation relief!
- Low dose Actazin means you can have a gut comfort gummy without high amounts of low nutrient fibres.
- Pectin based (vegan friendly), and only 0.5g of sugar per dose!
- Low temperature processing ensures bioactive stability

Potential Label Claims

- Supports normal bowel function by promoting regularity

Formulation Guidelines:

- **Enzyme Stability:** Actinidin (main bioactive) in Actazin® degrades gelatin, necessitating pectin as the gelling agent.
- **Temperature Sensitivity:** Ensure your formulation uses 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 to 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).

Actazin Shot

Unit net weight: 100ml

Dosage per shot: 600mg of Actazin

Ingredients:

Water, **Actazin®**, Fibersol-2, Sucralose, Honey Powder, Sicilian Lemon Oil Powder, Malic Acid, Potassium Benzoate (optional), Sodium Benzoate (optional), Xanthan Gum



- A delicious daily fruit shot with fibre claim, kiwifruit and honey flavoured
- Nutritional benefit of kiwifruit, every day use
- Shelf stable at ambient (two years), best served cold
- Additional ingredients easily for immunity or brain health or probiotics!

Potential Label Claims

- Supports normal bowel function by promoting regularity
- Source of fibre

Positioning

- Gut Health /Gut comfort
- Pre/Probiotics
- Vitality/Detox
- Immune Health

Formulation Guidelines:

- Actazin has insoluble fibre (it's what makes it great!), Xanthan gum added to help with solubility and dispersion
- 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 Actazin than citric acid

Actazin Protein Powder

Unit net weight: 750g bag,

33g scoop dosage

Dosage per yogurt: 600mg of Actazin per serving, 23g of protein

Ingredients:

Whey Protein Blend, Pregelatinised Corn Starch, Natural Vanilla Flavour, **Actazin®**, Steviol Glycosides



- Actazin supports protein digestion, leading to less bloating and gas production after a big protein scoop! Good for gym goers or those who consume high protein diets!
- All natural, vegan (with pea protein), clean label!
- Shelf stable (2 years), no additives required
- Low dosage addition

Potential Label Claims

- Improves protein digestion
- Supports digestive comfort
- 24 g protein per serving for everyday muscle gain

Positioning

- Sports Nutrition
- Protein digestion
- Elderly protein consumption

Formulation Guidelines:

- Nu-Flow is a complementary flow/anti-caking agent for Actazin, if needed
- Actazin is much more dispersible in protein powders, and works well in a protein shaker
- Vanilla, Banana (Fruits), Chocolate are all complimentary flavours for Actazin in protein powders
- Stable in a boiling water preparation

Health Claim Appendices

Health Canada Claims:



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