



Actilight[®] Soluble fibre

Short-chain
fructo-oligosaccharides



actilight[®]

Best-in-class prebiotic fibre for nutritional improvement

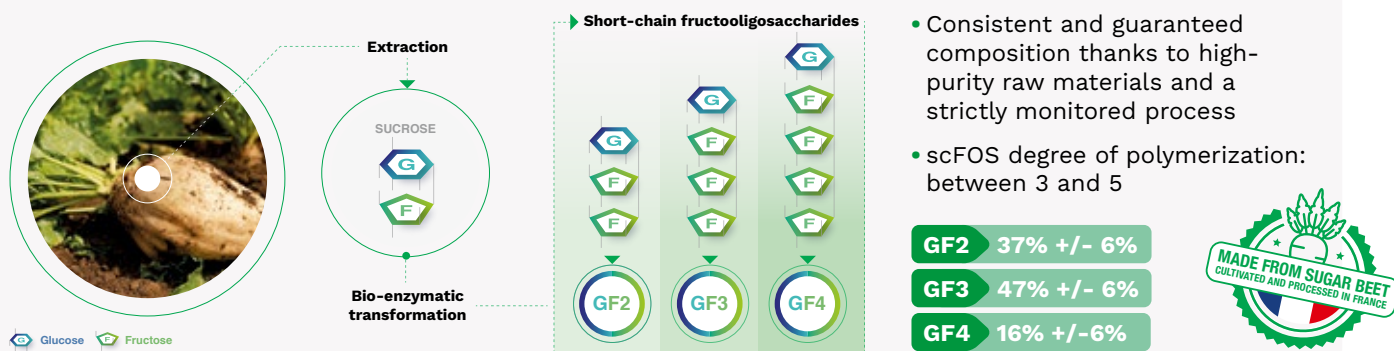
The needs of today's consumers are constantly evolving, influenced by new regulations and new medical understanding, with health at the forefront of consumer concerns. Consumers also expect transparency around sustainability and nutritional benefits, with clear labeling of ingredients.

While taste and indulgence remain key drivers, fibre enrichment and a reduced calorie content, with less sugar and fat, are important contributors to developing more nutritious products.

Actilight® scFOS is a unique prebiotic fibre, with proven health benefits that have been endorsed by more than 250 scientific publications. Obtained from sugar beet sucrose through an enzymatic reaction, its short-chain structure and its consistent and guaranteed composition make it one of the most outstanding fibres on the market.

With its clean, sweet taste, it is the perfect solution for nutritional improvement without compromising enjoyment!

actilight® short-chain Fructo-Oligosaccharides (scFOS) synthesized from beet sugar



actilight® the most advanced prebiotic¹



MICROBIOTA
REGULATION



Because of its prebiotic properties and its particular short-chain structure (DP 3-5), Actilight® positively balances gut microbiota by stimulating the growth of bifidobacteria, even at a low dose of 2.5g per day². It offers numerous health benefits:

- Improves gut health: bowel function and gastro-intestinal comfort
- Promotes metabolic health: improves blood glucose and body composition regulation
- Improves blood lipids control
- Improves mineral absorption and bone health maintenance
- Supports immune system

Actilight® consumption is well tolerated up to 40g per day³, which falls within the - rarely achieved - recommended daily range for dietary fibre intake for normal laxation.

1 - The information provided is based on the science available and does not constitute an authorized health claim in Europe — references available upon request

2 - Bouhnik et al., 2006. The capacity of short-chain fructo-oligosaccharides to stimulate faecal bifidobacteria: a dose-response relationship study in healthy humans. Nutrition Journal 5:8.

3 - Le Bourgot et al., 2022. Gastrointestinal tolerance of short-chain fructo-oligosaccharides from sugar beet: an observational, connected, dose-ranging study in healthy volunteers. Nutrients 14, 1461.

Nutritional & Health benefits

- 2 kcal/g
- Glycemic index = 0
- Sugar reduction and fibre enrichment claims easily fulfilled⁴
- Proven prebiotic effect on gut microbiota with benefits for gut health, glucose regulation, the immune system, bone health and more!⁵
- High digestive tolerance: up to 40g per day with no side effects

Functional properties

- High solubility
- Very similar viscosity and density to sucrose: provides texture and improves mouthfeel
- Clean, sweet taste, masks off-flavors and enhances fruit flavors
- Humectant properties: reduces water activity and acts as a preservative
- Available in liquid or powder form

Consumers' benefits

- Fully supports reformulation options targeting sugars, fat and calorie reduction, as well as fibre enrichment
- Locally sourced and processed from materials grown in France by Tereos cooperators

Main applications

- Infant nutrition
- Food supplements
- Clinical nutrition
- Sports nutrition
- Dairy and ice-cream
- Baking
- Cereals
- Chocolate and confectionery
- Savory products

Easy to use in a wide range of applications

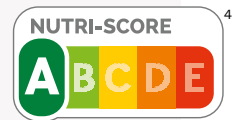
- Density, viscosity and taste profile similar to sucrose
- Sweetening power: 30% that of sugar
- Caloric value: 2 kcal/g
- No Maillard reaction

Fibre enrichment + reduced sugar for nutritious products!



Clean-label

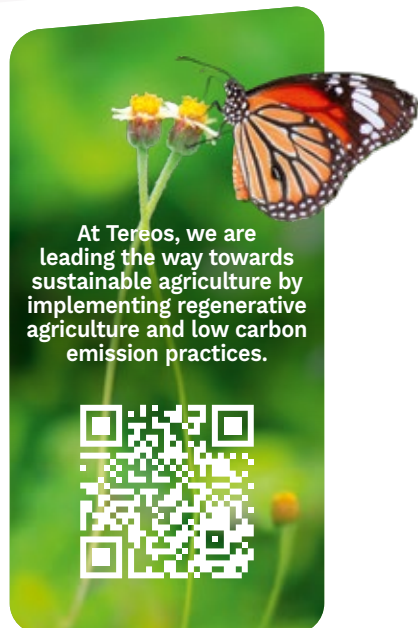
Actilight® short-chain FOS can be labelled in the ingredients list as: Fructo-oligosaccharides (FOS), Oligofructose (can be completed by "fibre"), Soluble fibre obtained from beet, soluble fibre produced from beet.



actilight® product range

Actilight®	Ref.	% of DS		% scFOS on DS		% sugars on DS	
		Min.	Average	Min.	Average	Max	Max
POWDER	950P	96.7	93	95	-	7	5
	950P PREMIUM	96.7	95	-	-	5	5
SYRUP	950S	72 (average)	93	95	-	7	7

Actilight® 950P Premium has been developed to meet the quality requirements of baby food.



4 - Nutritional claims to be used according to EU regulation

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Tereos
Day by day,
cultivating the future.

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