
Updated: 29-Jan-2026

Prebiotic Inulin

Specification Sheet

Description: Water-soluble prebiotic complex of inulin and alpha-glucan oligosaccharides that helps rebalance the skin microbiome disrupted by cleansing, surfactants, or environmental stress. By nourishing beneficial microorganisms, it supports barrier function, reduces sensitivity, and improves skin comfort—ideal for delicate, sensitive, and intimate skin care.

CAS: 9005-80-5, 27707-45-5

INCI Name: Inulin (and) Alpha-Glucan Oligosaccharide

Composition: Inulin, Alpha-Glucan Oligosaccharide

Appearance: Free-flowing white to off-white powder

Benefits:

- Supports a healthy and balanced skin microbiome
- Helps improve skin barrier resilience.
- Reduces signs of sensitivity and discomfort
- Improves skin hydration and lowers TEWL
- Makes cleansing formulations feel milder on skin
- Particularly suitable for baby, intimate, and sensitive skin products

Use: Add to water phase of emulsions. Typical use level: 0.5 - 5%. For external use only.

Applications: Baby care, intimate hygiene products, sensitive skin creams and lotions, facial and body cleansers, soothing and barrier-support skincare products

Solubility: Water soluble

Preservation: Preservative-free

Storage: Store in original packaging in a cool, dry, well-ventilated area <95°F (<35°C); relative humidity <60%

Country of Origin: Belgium

Raw material source: Inulin derived from chicory root (*Cichorium intybus*); alpha-glucan oligosaccharide produced via enzymatic polymerization of plant-derived sugars (sugar beet and wheat).

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Manufacture: Produced through extraction of inulin from chicory followed by enzymatic synthesis of alpha-glucan oligosaccharides from plant sugars; purified and dried into a water-soluble powder.

Animal Testing: Not animal tested.

GMO: GMO-free

Vegan: Does not contain animal-derived components.

HS Code: 17029095

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