

## Product Data Sheet



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Inulin@Bailong, is a native inulin obtained from chicory roots by a hot water extraction process. It is an easy to disperse fine granulated powder, suitable for a wide range of food applications as a naturally-sourced food ingredient.

**Chicory Inulin**, belonging to the fructan group, is a mixture of oligo- and polysaccharides built up of fructose units with  $\beta(2-1)$  bonds, mostly ending by a glucose unit. The degree of polymerization of chicory inulin ranges mainly between 2 and 60 with an average of 8~13.

### Specifications

Dry matter content	≥95.5%
<b>Composition based on dry matter</b>	
Total Carbohydrates	≥99.8%
inulin (DP2-60)	≥90.0%
Sugars (Fructose, Glucose, Sucrose)	≤10.0%
Ash	≤0.2%
Heavy metals	
Pb	≤0.3mg/kg
As	≤0.1mg/kg
Cd	≤0.1mg/kg
Hg	≤0.01mg/kg

### Microbiological

Aerobic plate count	≤1,000cfu/g
Moulds	≤20cfu/g
Yeasts	≤20cfu/g
Coliforms	<10cfu/g
E. coli	<10cfu/g
Staphylococcus aureus	absent/1g
Salmonella	absent/25g

### General Characteristics

Appearance	White powder
Taste	Slightly sweet
Odor	Odorless
Dispersibility	Excellent
Solubility (20℃)	≥100g/l
pH (10% water)	5.0-7.0
Tapped density	700±100g/l
Granulometry	<500µm

### Nutrition Labelling

All values expressed per 100g NanoST P90.

Caloric Value (Energy)*	208kcal/840kJ
Carbohydrates, of which	96g
- sugars	8g
- Dietary fiber (inulin)	88g
Protein	0
Fat	0
Sodium	50mg

\* based on a caloric value of 2kcal/g for pure inulin - to be adapted to local regulations.

### Other Information

Analytical Methods	: Inulin level in food products can be analyzed by the method: AOAC 997.08 and AOAC 999.03.
Safety	: Food grade, suitable for human consumption. Free from any harmful or toxic substances. Food Safety System Certification in compliance with FSSC 22000.
Non GMO	: Does not contain GMO's or GMO-derived components.
Allergens	: No labelling required for allergen statement.
Irradiation	: Not irradiated.
Certification	: KOSHER & HALAL certified.
Packaging	: 20 kg net per multi-layer paper bag with PE liner inside. Export-plastic pallet 1,000 kg net.
Storage	: The product should be stored under cool and dry conditions.
Shelf-life	: 4 years after production date in original sealed bags.
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