

technical data

Treha™ trehalose

IDENTITY PRESERVED FOOD GRADE

Product Description

Trehalose is a naturally occurring, non-reducing disaccharide consisting of two glucose molecules bound by an α,α -1,1 glycosidic linkage. Treha™ trehalose is a crystalline saccharide containing two water molecules per molecule. Treha™ is produced from tapioca, identity-preserved corn starch, potato starch and/or sweet potato starch.

Application / Functionality

Trehalose is a multi-functional sugar that stabilizes proteins and improves taste, texture and appeal of food and beverages. It is recommended for use in protein beverages, processed meats and salty snacks.

Chemical and Physical Data

<u>Attribute</u>	<u>Spec</u>
Loss on Drying (%)	≤ 1.5
Residue on Ignition (%)	≤ 0.05
pH	4.5 – 6.5
Color in Solution	≤ 0.100
Turbidity	≤ 0.050
Assay (%db)	≥ 98.0
Heavy Metals as Lead (ppm)	≤ 1.0
Arsenic as As ₂ O ₃ (ppm)	≤ 1.0

Microbiological Data

<u>Attribute</u>	<u>Spec</u>
Total aerobic microbial count (cfu/g)	≤ 300
Coliforms	Negative
Yeast and Mold (cfu/g)	< 100
Salmonella (/25g)	Negative

Nutritional Information

Calories	361	kCal/100g
Calories from Fat	0	kCal/100g
Total Fat	0	g/100g
Saturated Fat	0	g/100g
Trans Fat	0	g/100g
Sodium	0	mg/100g
Total Carbohydrates	90.3	g/100g
Dietary Fiber	0	g/100g
Sugars	90.3	g/100g
Protein	0	g/100g
Ash	0.0	g/100g
Moisture	9.7	g/100g

This product is not a significant source of Vitamin A, Vitamin C, Calcium, or Iron.

These values are typical and analyzed but not a specification.

Allergen Status

In accordance with the 2004 Food Allergen Labeling and Consumer Protection Act (FALCPA), no allergen declarations are required for this product.

Storage / Shelf-life

Keep product in a dry place at ambient temperature.

Best before date is 1095 days (3 years) from date of manufacture.

Packaging: Net 20kg. Kraft paper bag

Applicable certifications

Certified Kosher by Kashruth Administrator

Certified Halal by the Islamic Food and Nutrition Council of America (IFANCA)

This information reflects US requirements for ingredients and allergens declaration. For countries other than US, please consult with local Cargill regulatory group.

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Regulatory Status

U.S.: Generally Recognized As Safe (GRAS)

Canada: Novel Food

Additional countries worldwide (please inquire)

Labeling: trehalose

We recommend including Treha™ with “trehalose” in the ingredient declaration on the labels of finished foods and beverages.

Additional Information

Material Numbers:

100010577 20 kg bag

Product Name: TREHA TREHALOSE IP FG

Legacy #: 16401

Produced by: Hayashibara Co. Ltd.
2-3 Shimoishii 1-chome, Kita-ku
Okayama, 700-0907 JAPAN

Marketed by:
Cargill, Incorporated

Country of Origin: Japan

TREHA™

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