



azienda chimica e farmaceutica

SPECIFICA TECNICA

TECHNICAL SPECIFICATION

Prodotto: **TREALOSIO**
Product **TREHALOSE**

NOME INCI INCI NAME	Trehalose
NOME INCI USA INCI NAME USA	Trehalose
CAS CAS NUMBER	6138-23-4 / 99-20-7
EINECS / ELINCS EINECS / ELINCS	202-739-6

SPECIFICA SPECIFICATION	METODO METHOD	Lim. Inf. - Lim. Sup. Lower Lim. - Upper Lim.	u.m.
Identificazione IR Identification IR Titolo (sull'anidro) Assay (on anhydrous)		Conforme Complies >=98,00	%
Revisione Capitolato Specification Revision		1	
Data Approvazione Approval Date		17/05/2018	

I metodi di analisi non indicati sono metodi interni del produttore ottenibili su specifica richiesta

Le informazioni sopra riportate non Vi sollevano dall'obbligo di identificare il prodotto prima dell'impiego. La nostra società non si assume alcuna responsabilità per danni a persone o cose derivanti dall'impiego dei prodotti da noi commercializzati

The analytical methods not listed are internal methods of the manufacturer obtainable upon specific request

The above information will not relieve you to identify the product before use. Our company does not assume any responsibility for damage to persons or property arising by the use of the products we sell



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DESCRIPTION:

Specialty carbohydrate (disaccharide) obtained from tapioca starch by enzymatic conversion

TYPICAL PRODUCT DATA:

Hygroscopicity (20°C, 93 % RH): max.1

pH (sol. 30 %): 4.5 - 6.5

Solubility in water:

- 20 °C: 40%

- 80 °C: 79%

FUNCTIONALITY:

- bland taste
- very low hygroscopicity
- mild sweetness and high sweetness persistency
- non-reducing sugars providing very low browning
- high acid and heat stability
- very high glass transition temperature (117 °C) providing excellent stability in glassy systems and retarding crystallisation
- substantially reduced cariogenic potential compared to sucrose
- significant lower insulin response compared to glucose/maltose

APPLICATION:

TREHALOSE is a white, crystalline powder which can be applied in a wide range of food application as:

- moisture barrier in baker goods
- flavour mask in protein and intense sweetener-containing beverages
- flavour enhancer in confectionary products.
- compressible agent in tablets
- Stabiliser in glassy confestions
- cryo protectant of proteins in surimi and fish fillets
- protein stabiliser in sausages and roastet beef, poultry and pork
- stabiliser of cell membrane structure upon drying/freezing of fruits and vegetables.

STORAGE:

Do not store with materials having strong odors

Store at 1°C to 30°C in a dry place out of direct sunlight.

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MAIN ALLERGENS	PRESENCE (YES / NO)
Wheat and products thereof	No
Cereals containing gluten and products thereof	No
Crustaceans and products thereof	No
Eggs and products thereof	No
Fish and products thereof	No
Peanuts and products thereof	No
Soybeans and products thereof	No
Milk and products thereof (including lactose)	No
Nuts and products thereof	No
Celery and products thereof	No
Mustard and products thereof	No
Sesame seeds and products thereof	No
Sulphur dioxide and sulphites (SO ₂ < 10ppm)	No
Lupins and products thereof	No
Molluscs and products thereof	No

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