

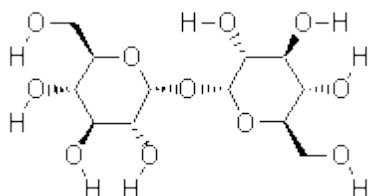
Technical Datasheet

Product Name: SAT-TH-lose

INCI Name: TREHALOSE

CAS NO: 6138-23-4

Structure:



Character:

Trehalose is non-reducing and natural disaccharide, It consists two glucose molecules linked through α -1, 6 - glucosidic bonds. Trehalose is a safe and reliable natural sugar, known as “sugar of life” in the scientific community. The sweet degree is 45% of granulated sugar so that it is sweetness. Trehalose is one of the important ingredients in moisturizing cosmetics that can keep cell activity. It has Generally Regarded as Safe (GRAS).

Application:

Trehalose can effectively protect the epidermis cell, effective against skin aging, gently moisturize skin, make the skin luster, bright, tender, smooth, naturally

healthy and elasticity. Trehalose, as a new generation of super moisturizing will become a focus in the cosmetics consumption.

Specification:

Items	Standard
Appearance	White powder
Identification	Comply with the standard
Assay (%)	≥99.0
Loss on Drying (%)	≤1.5
Residue on ignition (%)	≤0.05
Chromaticity	≤0.100
Turbidity	≤0.05
Optical rotation D ₂₀	+197° ~+201°
pH	4.5 – 6.5
Chloride (%)	<0.0125
Sulfate (%)	<0.02
Soluble starch	To 10% Trehalose 100 solution add several drops of iodine TS: No blue color develops
Nitrogen (%)	<0.005
Lead(Pb mg/kg)	≤0.5
As(mg/kg)	≤0.5
Total microbial count (cfu/g)	≤100
Molds and Yeasts (cfu/g)	≤100
Coliforms (MPN/100g)	Negative
Salmonelle	Negative

Package:

20kg/Bag.

Storage:

Store in a cool, dry, well-ventilated area. Store away from direct sunlight. Keep humidity below 90%.

Shelf life: 30 months.