

Trehalose Derivatives; Trehalose CA & AN

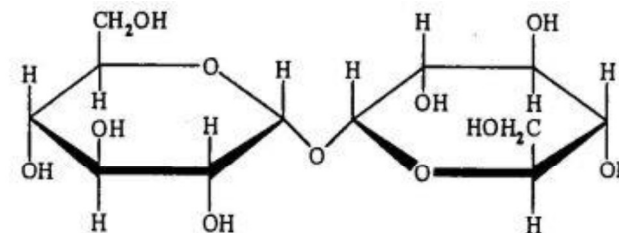
What is Trehalose ?

Trehalose is two molecules of glucose contained in many foods; especially in mushroom, bean and sea weed a lot.

Therefore Trehalose is used for many food products as additive for starch aging prevention and protein stability purpose.

Major characteristics of Trehalose is marvelous water-holding capacity 保水力.

By utilizing such a characteristics, it is also applied for personal care products such as hair-conditioner, treatment, shampoo, facial cleansing, soap etc.



MW : 342. 296

2 products of Trehalose derivatives; Trehalose CA and AN

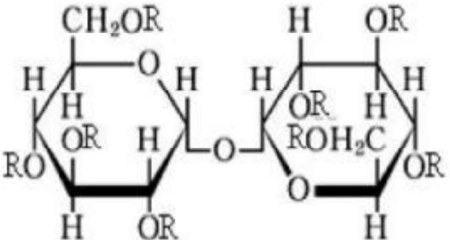
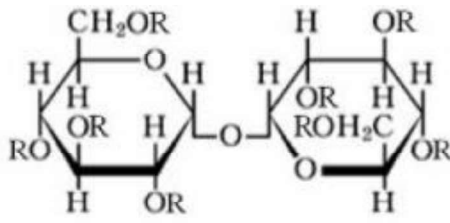
製品名 Product Name	トレハロースCA Trehalose CA (Cationic)	トレハロースAN Trehalose AN (Anionic)
表示名称(Japanese)	トレハロースヒドロキシプロピルトリモニウムクロリド 成分番号 : 560717	オクテニルコハク酸トレハロース N a 成分番号 : 566630
INCI名 INCI Name	Trehalose hydroxypropyltrimonium chloride	Sodium Trehalose Octenylsuccinate
外原規名称 *JSQI Name	—	—
国際化粧品原料標準中文名称 (2010)	海藻糖羟丙基三甲基氯化铵 序号 : 14837	海藻糖辛烯基琥珀酸酯钠 序号 : 13806
CAS No.	1276539-21-9	216166-14-2
化審法番号 *Class Reference No.		
HSコード HS Code	3824.99-090	3824.99-090
価格 Price	US\$30/kg CIF as tentative price	US\$25/kg CIF as tentative price
用途 Application	ヘアコンディショナー、トリートメント、シャンプー Hair Conditioner, Treatment & 2-in-one Shampoo	洗顔料、透明石鹸、Body Soap Facial Cleansing, Transparent Soap, Body Soap

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2021-3-22

Trehalose CA (Cationic Trehalose)

Trehalose AN (Anionic Trehalose)

Product	Trehalose quaternized by glycidyl trimethyl ammonium chloride (60% Solution)	Trehalose added octenyl succinic acid (50% solution)
Structure	 <p>R= -H or -C₃H₅(OH)N⁺(CH₃)₃ Cl⁻ Glycidyl trimethyl ammonium chloride</p>	 <p>R= -H or -C(OH)(CH₂COOM)CH=CHC₅H₁₁ (M= -H or -Na) Octenyl succinic acid</p>
Raw Materials	Trehalose Glycidyl trimethyl ammonium chloride	Trehalose Octenyl succinic acid
Merit	Smooth sense of feeling after drying due to good penetration for damaged hair and good sense of feeling without stickiness	humectant and moisturizing effect due to excellent water holding capacity of Trehalose
Application	Hair-Conditioner, Treatment, 2-in-one Shampoo	Facial Cleansing, Transparent Soap, Body Soap
Dosage	1 ~ 2 %	0.5 % ~ 2 %

**Benefits and application
for
Trehalose Derivatives;Trehalose CA & AN**

Trehalose CA (Cationic Trehalose)

Because it is low molecular weight and it penetrates into hair inside through detached cuticle and generates excellent performance to repair damaged hair. In addition, it shows good conditioning effect without stickiness after drying

⇒ It is applied for hair-care products such as hair conditioner, treatment and 2-in-one shampoo.

Dosage : 1 ~ 2 %

Trehalose AN (Anionic Trehalose)

Good humectant and moisturizing effect can be generated because of excellent water holding capacity of Trehalose. In addition, it can be expected as good foam booster.

⇒ It is applied especially for facial cleansing, transparent soap and body soap.

Dosage : 0.5 ~ 2 %