

## Technical Datasheet

# Polycos CA-3001 ECO

Polycos CA-3001 ECO is a conditioning polymer, derived from natural guar gum. The product is Vegan, COSMOS compliant and produced with a water saving process technology. It is substantive to hair, has a superior effect on wet and dry combability, and enhances foam-boosting properties. It delivers a silky, smooth feel to hair without build up, as well as a soft skin feel. It is ideal for use in shower gel, body wash, liquid soaps, soap bars, shampoos, conditioners, and other personal care products.

<b>Composition</b>	Cationic guar gum
<b>INCI-Name</b>	Guar Hydroxypropyltrimonium Chloride
<b>Appearance</b>	light-yellow fine powder
<b>Odour</b>	Characteristic
<b>Solubility</b>	Cold processable; can be easily dispersed in water; to start the hydration of the polymer, the pH-value need to be adjusted between 6.0 to 7.0
<b>Use level</b>	0.1 - 1.0 %

Physical / chemical data	Specifications	Unit
Viscosity, 1% in water 20 rpm (Brookfield RVT) 2 h. 25°C	2'000 - 4'000	mPas

Further typical physical data	Specifications	Unit
Loss on drying	max. 12	%
pH value of 1% solution	9.0 - 11.0	
Granulation < 75 µm	min. 85	%

Microbiological values	Specifications	Unit
Total plate count	max. 500	cfu/g
Mould and yeast	max. 200	cfu/g

E. coli, Pseudomonas aeruginosa, Staphylococcus aureus,  
Candida albicans\*

\* according to internal analysis plan



The indications in this technical datasheet correspond to our actual knowledge and experience. They describe our product in regard to quality and application but do neither guarantee certain characteristics nor the suitability for a specific application. The user is responsible of all legal regulations including patent law. For warranty, liability and quality conformity please consult our General Sales Conditions.



### **Packing**

Multiwall polytreated paper bags of 25kg net

### **Storage/Shelf life**

When the product is stored under dry and cool conditions, in the unopened original package and in a well ventilated area, the product can be used safely for minimum 24 months. Reaching the 24 months a retest of the material can be conducted to prolong the shelf life by 6 months.

### **Certificates**

Cosmos, Halal, Kosher, Vegan

### **Regulations**

This product is in accordance with the specifications of EU and Swiss regulations for additives.

However, it should always be consulted that this product is in compliance with the local regulations in force, particularly in the country where the product is to be used.