

Technical Datasheet

Polycos CA-50 ECO

Polycos CA-50 ECO is a biodegradable, conditioning and styling polymer derived from natural guar gum. The product is Vegan, COSMOS compliant, and produced with a water saving process technology. The product can be used for a wide range of hair and body care applications where conditioning properties are desired. It can help to increase foam volume and enhance the delivery of active ingredients. In styling formulations like mousses as well as leave-on styling treatments and creams, it helps to elevate styling properties as well as provide conditioning benefits.

Composition	Cationic guar gum
INCI-Name	Guar Hydroxypropyltrimonium Chloride
Appearance	light-yellow fine powder
Odour	Characteristic
Solubility	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
Use level	0.15 – 0.50% for shampoos and conditioners (solid/liquid) 0.20 – 1.00% for shower gels and liquid soaps 0.30 – 2.00 % for mousse, gels, and creams

Physical / chemical data	Specifications			Unit
Viscosity, 1% solution 20 rpm (Brookfield RVT) 2 h. 25°C	25	–	65	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



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.



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.