

Technical Datasheet

Polycos HCA-501

Polycos HCA-501 is a naturally derived conditioning polymer that provides very high clarity over a wide range of surfactant systems. It imparts excellent conditioning without build-up on the hair. In skin care applications, Polycos HCA-501 conditions the skin, leaving a soft soothing after-feel. The product can be used for a wide range of hair and body care applications and is particularly recommended for clear/transparent formulations such as shampoos, conditioners, body wash, shower gels, liquid soaps as well as skin care formulations.

Composition	Hydroxypropylated cationic guar gum
INCI-Name	Hydroxypropyl Guar Hydroxypropyltrimonium Chloride
Appearance	Off-white fine powder, transparent in solution
Odour	Characteristic
Solubility	Cold processable in ambient water
Use level	0.1 – 1.0 %

Physical / chemical data	Specifications			Unit
Viscosity, 1.0% solution 20 rpm (Brookfield RVT) 2 h. 25°C	300	–	1'000	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.		100	cfu/g
Mould and yeast	max.		100	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.

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.



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