Weinfelderstrasse 13, 8560 Märstetten, Switzerland Tel.: +41 71 658 70 10, Fax +41 71 658 70 20 info@polygal.ch, www.polygal.ch



## Technical Datasheet

# **Polycos ECOGUM**

Polycos ECOGUM is a 100% natural, non-ionic, and biodegradable thickening, texturizing, and film-forming biopolymer. This high-quality grade of guar gum provides a smooth texture with a honey-like flow and offer good compatibility across a wide range of surfactant systems. It is suitable for a wide range of formulations, both in leave-on and rinse-off applications. The product also acts as an excellent natural film former, enhances conditioning properties and stabilizes lather in cleansing systems.

**Composition** Guar gum

INCI-Name Cyamopsis Tetragonoloba (Guar) Gum

Appearance Off-white to light beige fine powder

**Odour** Characteristic

Solubility Cold processable in water; it generally recommended to pre-disperse the product in a Polyol

**Use level** 0.1 - 2.0 %

Physical / chemical data	Specifications		Unit
Viscosity, 1% solution 20 rpm (Brookfield RVT) 2 h, 25°C	min.	3'800	mPas
Further typical physical data	Specifications		Unit
Loss on drying	max.	14	%
Ash content	max.	1.2	%
pH value of 1% solution	5.0 -	7.0	
Granulation < 75 μm	min.	90	%
Microbiological values	Specifications		Unit
Total plate count	max.	500	cfu/g
Mould and yeast	max.	100	cfu/g

 $\hbox{E. coli, Pseudomonas aeruginosa, Staphylococcus aureus,}\\$ 

Candida albicans\*



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.

<sup>\*</sup> 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 month.

Reaching the 24 moths a retest of the material can be conducted to prolong the shelf live by 6 moth.

#### Certificates

Cosmos, Halal, Kosher, Vegan (in processing)

### 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,