

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

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 month.

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 (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,