

Technical Datasheet

Polycos ECOGUM Sense

Polycos ECOGUM Sense is a 100% natural, non-ionic, biodegradable biopolymer, offering thickening, texturizing, stabilizing and film-forming properties. It delivers a luxurious sensory experience with a light, elegant moisturizing texture and outstanding lubricity. Derived from carefully selected carob tree kernels, Polycos ECOGUM Sense guarantees the highest quality of locust bean gum. This versatile product is suitable for a wide range of surfactant-free systems.

Composition	Locust bean gum
INCI-Name	Ceratonia Siliqua Gum
Appearance	Off white fine powder
Odour	Characteristic
Solubility	Hot processable in water
Use level	0.5 – 3.0 %

Physical / chemical data	Specifications	Unit
Viscosity, 1% solution 20 rpm (Brookfield RVT) 10 min. 86° – 25°C	2'800 – 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 – 7.5	
Granulation < 75µm	50 – 90	%
> 100 µm	0 – 15	%

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



Packing

polytreated paper bags at 25 kg 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.

Tobacco beetles (*Lasioderma serricorne*) are a threat to locust bean gum. We therefore point out that the customer takes appropriate precautions.

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.



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.