Supply High Quality CAS 25513-46-6 PGA Bulk Polyglutamic Acid

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Firsky
- Model Number: FS-25513-46-6
- Minimum Order Quantity: 1KG
- Packaging Details: 1kg, 5kg, 15kg, 20kg, 25kg can be packed in different specifications. Packaging can be customized according to customer requirements. Aluminium foil bag and carton.
- Delivery Time: 7-15days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 2000T

Product Specification

- Product Name: Polyglutamic Acid
- CAS NO: 25513-46-6
- Purity: 99%
- Shelf Life: 2 Years

Product Description

Specifications:

Product Name:	Polyglutamic acid
Synonyms:	POLY-L-GLUTAMIC ACID 15'000-50'000 SODIUM SALT;POLY-L-GLUTAMIC ACID 2'000-15'000;POLY-L-GLUTAMIC ACID 50'000-100'000 SODIUM SALT;L-GLU-(L-GLU)N-L-GLU;alpha-l-glutamicacidpolymer;glutamicacidpolymer;Poly-γ-Glutamic Acid(γ-PGA);γ-poly(L-glutamic acid) macromolecule
CAS:	25513-46-6
MF:	C5H9NO4
MW:	147.13
EINECS:	200-293-7
storage temp.	–20°C
Application	Polyglutamic acid is considered a promising bio-based chemical and is already widely used in the food, medical, and wastewater industries due to its biodegradable, non-toxic, and non-immunogenic properties.

Description:

Polyglutamic acid, CAS 25513-46-6, is a polyamino acid belonging to the polyglutamate family. These are biodegradable polymers that have a wide range of applications in various industries.

Polyglutamic acid is a linear polymer composed of glutamic acid units linked together by amide bonds. The repeating units of polyglutamic acid contain both carboxylic acid and amine functional groups, allowing it to form salts and complexes with other molecules. Polyglutamic acid is soluble in water and can form viscous solutions, making it useful in a variety of viscosity control applications.

An important application of polyglutamic acid is in the personal care industry, where it is used as a thickener and stabilizer in cosmetics, hair care products and cleansers. The viscous nature of polyglutamic acid helps create a creamy and sticky texture in cosmetics, while also improving their stability and shelf life. Additionally, polyglutamic acid has been shown to have moisturizing properties, making it a valuable ingredient in skin care products.

In the food industry, polyglutamic acid is used as a food additive to change the texture of food and increase its viscosity. It is added to soups, sauces, and dressings to create a creamy texture and enhance the taste. Polyglutamic acid is also used in the processing of meats and cheeses to lock in moisture and improve texture.

Application:

CAS 25513-46-6 corresponds to polyglutamic acid (PGA), a biopolymer composed of repeating units of the amino acid glutamic acid. PGA has a wide range of applications in different industries due to its unique properties and advantages. Here are some noteworthy applications of polyglutamic acid:

1. Skin care and cosmetics: PGA is widely used in skin care and cosmetics due to its moisturizing and anti-aging properties. It has excellent water-holding capacity, which moisturizes the skin and improves its elasticity. PGA is commonly found in serums, moisturizers, and masks and helps improve skin texture, reduce the appearance of fine lines and wrinkles, and enhance overall skin health.

2. Wound healing and tissue regeneration: The potential applications of PGA in wound healing and tissue regeneration have been studied. It acts as a scaffold for cell growth and provides a supportive environment for tissue repair. PGA-based dressings and scaffolds are used to promote wound healing, reduce scarring, and enhance tissue regeneration in medical and pharmaceutical settings.

3. Drug delivery systems: PGA is used in drug delivery systems due to its biocompatibility and biodegradability. It can be used as a carrier to encapsulate and deliver drugs, peptides or proteins to specific target sites in the body. PGA-based drug delivery systems possess controlled-release properties that can enhance the therapeutic efficacy of pharmaceutical compounds.

4. Food and beverage industry: PGA is used in the food and beverage industry as a food additive and ingredient. It is used as a thickener, stabilizer and emulsifier in various foods. PGA can improve the texture and mouthfeel of foods, enhance flavor retention, and extend the shelf life of some products.

5. Agriculture and horticulture: PGA shows potential application prospects in agriculture and horticulture. It can be used as a soil conditioner and fertilizer additive to improve water retention and nutrient absorption of plants. PGA-based formulations have been reported to promote plant growth, increase crop yields, and improve overall plant health.

Advantage:

1. Firsky (Wuhan) continues to make efforts to steadily offer clients high-quality items. We have put in place a reliable internal quality management system and are always working to increase quality, decrease deviation, and eliminate waste.

2. If you have any questions, don't hesitate to ask them; we'll get back to you within 48 hours.

3.After getting the items, if you have any questions, don't hesitate to get in touch with us. We promise to compensate you in full if we were the source of the loss.

FAQ:

How do I make a purchase?
We advise that you speak with our customer support personnel before placing an order because the market price of chemical raw materials fluctuates often
1. Please let me know which products you require and how many of each you need.
2. We will provide you with the best pricing right away, including delivery charges.
3. If the price seems reasonable to you, you can select a payment option to complete the transaction.
4. After we confirm your payment, your shipment will be wrapped and dispatched within 24 hours.
5. Two days after the package is sent out, a tracking number and packing photo will be provided.
6. We wish you a wonderful shopping experience and encourage you to get in touch with us if there are any problems.

Which delivery alternatives are available?
All Fushikai orders are shipped from Japan using FEDEX, UPS, DHL, Airmail, Surface Mail, EMS (Japan Post), and Economical Air (SAL). Depending on the various nations, we will select the best choice. Once payment has been received, the approximate delivery time is 5-7 working days.

How are your products verified?
We use our own quality control team to inspect each batch of products. Only at least 98% of pharmaceutical raw materials are used in the synthesis process, rather than cheap sources that are replicated using discarded chemical ingredients. Multiple tests are conducted using cutting-edge equipment to ensure perfect accuracy in determining the potency, purity and quality of ingredients and finished products.

Does a discount apply to large orders?
After your order reaches a particular value, there is a large discount. Several seasonal sales and promotions are available from us.

What forms of payment do you accept?
We accept payments with Western Union, Bitcoin, e-transfers, bank transfers, MoneyGram, and Alipay in addition to all other forms of cryptocurrency.

Do you deliver to parcel lockers at PO boxes?
YES, we could deliver to parcel lockers at PO boxes!

Can I get a tracking number from you?
We will provide you the tracking number and some images of the items you ordered as soon as the shipment is planned. For the most up-to-date tracking updates, please go to our preferred site.

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