

聚谷氨酸钠

产品介绍：聚谷氨酸钠(Sodium Polyglutamate, PGA)最早被发现于纳豆食品所含的高粘稠性拉丝中，由微生物发酵法生产的氨基酸阴离子聚合物，水溶性好，可生物降解，可靠性较高。

PGA 的基本结构是由 L-谷氨酸和 D-谷氨酸通过 γ -酰胺键聚合而成，分子中的羟基、羧基和其他极性基团，可在分子内部和分子间形成氢键而结合大量的水分，保水效果明显。

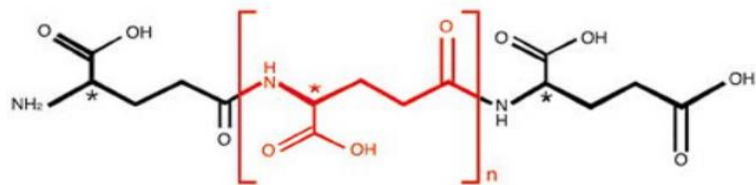
PGA 生物相容性好，可提升皮肤中天然保湿因子(N.M.F)含量，是一种良好的自然补水成分。同时，低分子量 PGA 还可控制酪氨酸酶机能，是一种温和的亮肤原料。

万源山 PGA 根据分子量高低，可分为高分子量(约 1000KDa)，低分子量(约 100KDa)，寡聚(约 10KDa)等多种规格。

【化学名】聚谷氨酸钠

【CAS NO】28829-38-1

【结构式】



高分子聚谷氨酸 (PGA-HMW)	低分子聚谷氨酸 (PGA-LMW)	寡聚聚谷氨酸 (PGA-Oligo)
PGA-HMW 的侧链含有大量亲水基团，具有很强水合能力。	PGA-LMW 可以温和控制酪氨酸酶机能，达到健康亮肤的效果。	PGA-Oligo 可以提高 N.M.F 含量，进而提升皮肤水合力，促进肌肤产生天然保

SODIUM POLYGLUTAMATE (PGA)

Product introduction: Sodium Polyglutamate (PGA) was first found in the high viscosity wiredrawing contained in natto foods. It is a amino acid anion polymer produced by microbial fermentation, it' s water-soluble, biodegrad-able and of high safety.

The basic structure of PGA consists of D- and L-glutamic acid monomers which are connected by amid linkages between α -amino and γ -carboxyl groups. Large number of carboxyl along the molecule chain of PGA can form hydro-gen bonding in a molecule or between different mole-cules. Thus it has high water absorb-ability and mois-ture-retaining capability.

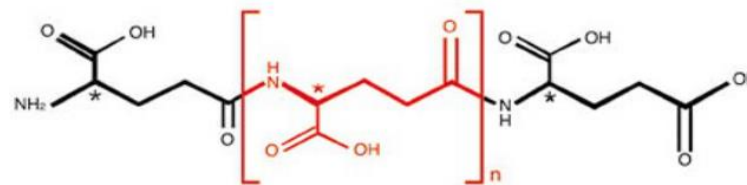
PGA has good biocompatibility and can increase the content of skin natural moisturizing factor (N.M.F). It is a good natural hydrating ingredient. At the same time, PGA-LMW can control tyrosinase function, is a mild skin brightening raw material.

According to the molecular weight, PGA can be divided into many different types, such as PGA-HMW (high molecular weight) (about 1000KDa), PGA-LMW (low molecular weight) (about 100KDa), and PGA-Oligo (oligo molecular weight) (about 10KDa).

【Chemical Name】Sodium Polyglutamate (PGA)

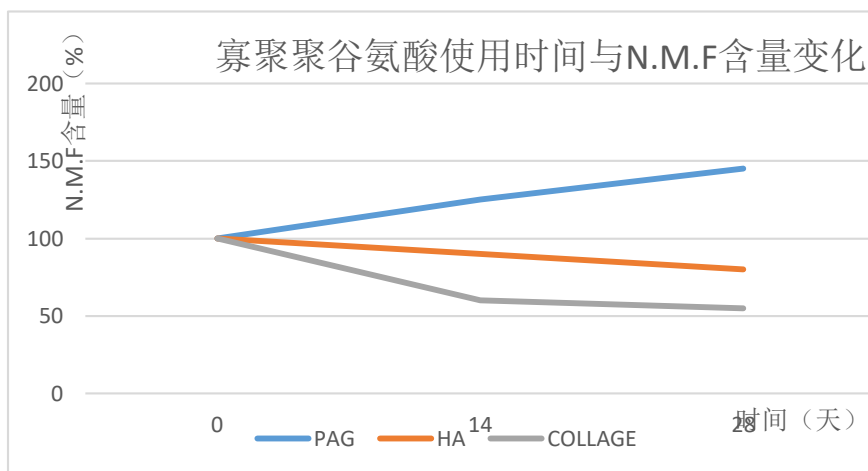
【CAS NO】28829-38-1

【Structure】





<p>PGA-HMW 长时补水效果优于透明质酸钠和胶原蛋白</p> <p>PGA-HMW 肤感顺滑，能够降低透明质酸的黏腻感</p>	<p>PGA-LMW 可以控制皮肤中 HA 酶的机能，提高皮肤中 HA 稳定性，延长 HA 保湿时间</p>	<p>湿因子。</p> <p>PGA-Oligo 拥有较低分子量，可直达基底，为肌肤注入活力。</p>
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应用

面膜，保湿乳液，润肤霜，眼霜，沐浴露，化妆水，润身乳液，防晒霜等。

与透明质酸以 1:1 比例添加于面膜成品样中可获得极好的肤感及最佳的保湿效果。

包装

1KG/袋

储存

在搬运或使用该产品之前请查阅安全数据表。

PGA-HMW	PAG-LMW	PAG-Oligo
<p>The transepidermal water loss (TEWL) experiment found that the moisturizing effect of PGA-HMW is better than that of hyaluronic acid and collagen.</p> <p>PGA-HMW can bring very smooth skin feeling, water-skiing touch feel, and can effectively reduce the viscosity caused by hyaluronic acid.</p>	<p>Studies found that ,PGA-LMW can mildly inhibit the function of tyrosinase and brightening skin more gentle, PGA-LMW can achieve the efficacy of skin healthy brightening.</p> <p>PGA-LMW can inhibit the activity of HAase, increasing and maintaining HA of skin</p>	<p>PGA-oligo can improve the content of N.M.F, and then improve 1the skin's water binding force, promote the production of NMF in inner skin</p> <p>With low molecular weight, less than 10kDa, PGA-oligo can reach the skin base and make the skin full of water.</p>

Application

Facial mask, moisturizing lotion, moisturizer, eye cream, shower gel, lotion, body lotion, sunscreen, etc.

Add hyaluronic acid to the finished mask at a ratio of 1:1 to obtain an excellent skin feel and the best moisturizing effect.

Packing:

1KG/BAG

Storage

Please reading safety data sheet before carrying or using the product.

Cool and dry, keep tightly closed, quality guarantee period is two years



若以适当的方式贮存在 25°C 以下的干燥区域，保质期为二年

声明

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