

## iMoist PGA

**INCI Name (US):** Polyglutamic Acid

**INCI Name (EU):** Polyglutamic Acid

**CAS #:** 25513-46-6

**General Information/  
Characteristics:**

Polyglutamic Acid (PGA) is classified as a long lasting natural moisturizer with whitening properties. This multi-functional and biodegradable polymer is water soluble. PGA has proven to be a better moisturizer than that of hyaluronic acid and collagen protein as it restores skin elasticity and smooth skin wrinkles. Additionally, this anionic amino acid can it provide smoothness, silkiness, protection against external aggressions and provide soothing response against allergies and inflammations.

**Benefits / Application:**

Skin care benefits:

- Useful whitening properties.
- Favorable adhesion and moisturization.
- Enabling skin to absorb nutrients by slow-releasing transport system.
- Inhibiting melanin of skin and maintains healthy pH of skin.
- Used in skin as a lubricous condition agent as to reestablish elasticity.

Applications:

- Whitener/lightener creams and lotions.
- Anti-stress, relaxing and smoothing moisturizing agents.
- Anti allergenic and anti-inflammatory creams and lotions.
- Conditioning, anti-aging and emulsifier agents.

**Formulations Advices:** Skin care products from 0.05 – 0.5 %.

**Regulatory Status:** No specific regulations.

**Physical-Chemical  
Properties:**

Appearance	Powder.
Color:	White to off white.
pH value (25 °C, 10g/L):	5.0-7.0
Loss on drying (%)max:	10
Heavy metals (Pb, mg/kg)max:	10
Assay (HPLC)max:	90

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**Microbiology:**

Total plate count: Max. 100 cfu/g

*\*These values indicate typical specification; they are not intended to be used as product specifications*

**Additives:**

None.

**Shelf Life / Storage  
Conditions:**

24 months to the date of manufacture. To be stored in cool and dry place at room temperature.

**Packaging:**

1kg/bag, 20kg/drum.

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