

IMOIST PGA

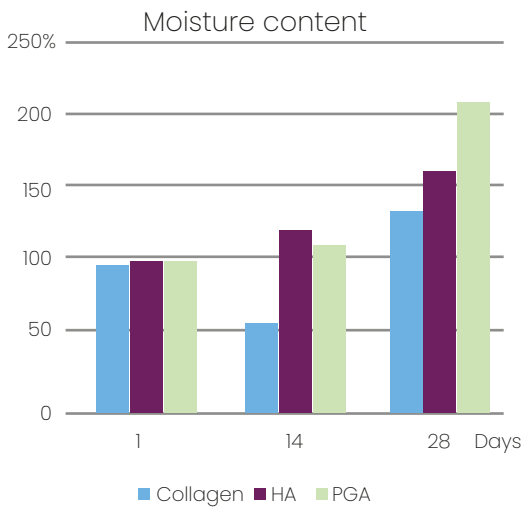
POLYGLUTAMIC ACID (PGA)
LONG LASTING NATURAL MOISTURIZER
WITH WHITENING PROPERTIES.

- Long lasting moisture
- Skin whitening
- Smooth skin feeling
- Repairs skin structure

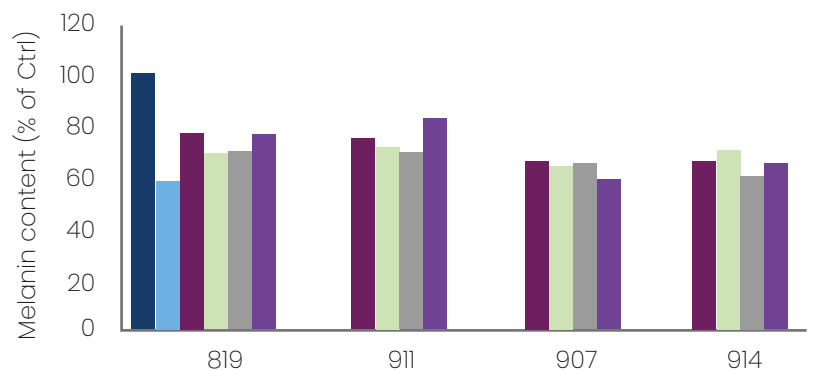
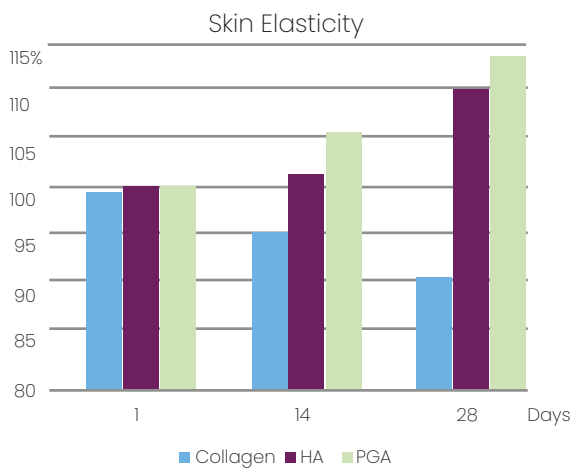
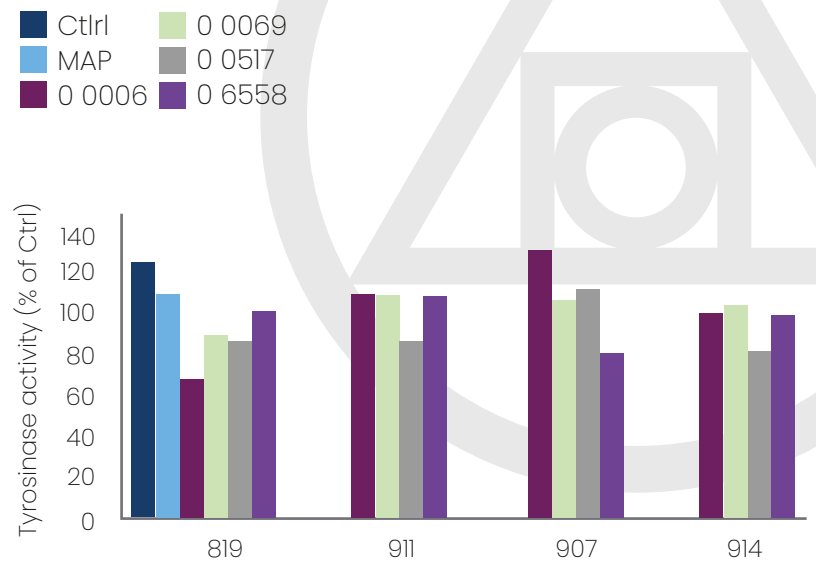
Gamma-poly-glutaminic Acid (PGA) was firstly found in NATTO. A natural multifunctional biopolymer produced with Bacillus Subtilis by fermentation. Bacillus Subtilis, extracted from natto is safe to human body and is GRAS bacteria internationally (Generally Recognized as Safe)



WOUND HEALING TEST



WHITENING VERIFICATION TEST





Formulation instructions

- Dissolve PGA powder into water (1-5%), add preservatives.
- Add below 50C.
- Use thickeners, emulsifiers compatible with electrolytes.

Technical Data

INCI Name US	Polyglutamic Acid
INCI Name EU	Polyglutamic Acid
Aspect	Powder
Color	white to off white
pH value (25 °C, 10g/L)	5.0-7.5
Assay HPLC	Max. 92.0 %

iMoist PGA HM	iMoist PGA LM	iMoist PGA ULM
700 - 1000 KDa	70 - 100 KDa	5 - 10 KDa
Long lasting Moisturization	Whitening Skin	Fast Absorption, improving nutrients supply



Application

- 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.



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