

## **γ-Polyglutamic Acid**

*Cat. No. EXTZ-567*

*Lot. No. (See product label)*

### ***Introduction***

#### ***Description***

Polyglutamic acid (γ-PGA), also known as natto gum, is a biological macromolecule produced through microbial fermentation. It is water-soluble, biodegradable and non-toxic. γ-PGA is a unique anionic natural polymer that is formed by amide linkages between α-amino and γ-carboxyl groups, creating a homo-polyamide structure. The molecular weight of γ-PGA ranges from 50,000 to 2 million Daltons. Its moisturizing and water-retention capabilities are 500 times more effective than those of hyaluronic acid.

### ***Product Information***

#### ***Form***

powder