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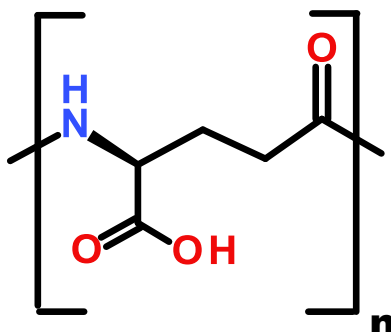
Product Specifications

Poly(L-glutamic acid)

CAS 25513-46-6

Syn: γ -PGA; gamma-Poly(L-glutamic acid); L-Glutamic Acid Homopolymer

Structure:



Mol. Formula
Source

$(C_5H_6NO_3)_n$
Bacillus Subtilis L.

MW

700 KDa -1.1 MDa

Test

Specification

Identity	IR
Appearance	White cryst. Solid.
Purity (hplc)	$\geq 90\%$
pH (1% aq. solution)	5.0-7.5
Mol. Wt.	700 KDa -1.1 MDa
Inherent Viscosity*	1.0 - 5.0 dL/g
LOD	$\leq 8\%$
Absorbance (4%, 400 nm)	≤ 0.046
Transmittance (4%, 400 nm)	$\geq 90\%$
Heavy metals	≤ 10 ppm
Pb	≤ 2 ppm
As	≤ 2 ppm

- cont'd -

- cont'd -

<i>Test</i>	<i>Specification</i>
<u>Microbiological Specifications</u>	
Total Plate Count	≤ 100 CFU/g
Molds & Yeasts	Absent
<i>E. Coli</i>	Absent
<i>Salmonella</i>	Absent/25 g

Storage: Maintain in cool, dry containment.

* **Inherent Viscosity** is a viscometric method for measuring molecular size. It is based on the flow time of a polymer solution through a narrow capillary relative to the flow time of the pure solvent through the same capillary. The units of Inherent Viscosity are typically reported in deciliters per gram (dL/g).