

## SPECIFICATION

### Polyglutamic Acid

Parameters	Specification
CAS Number	25513-46-6
Appearance	White to off-white powder
Molecular Formula	C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub>
Molecular Weight	50000 g/mol
Boiling Point	210 °C
Flash Point	300 °C
Purity	98–99%
Refractive Index	1.53
Solubility	Soluble in water; pH dependent; soluble in saline; sparingly soluble in most organic solvents
Uses	Thickener and stabilizer in food and cosmetics; hydrogel formation; drug delivery systems

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