

# PURASORB® PDLG 5002A Y

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## Product data sheet

**Description** PURASORB PDLG 5002A Y is an acid terminated GMP grade copolymer of DL-lactide and Glycolide in a 50/50 molar ratio and with an inherent viscosity midpoint of 0.2 dl/g. It is supplied in the form of white to light tan granules. PURASORB PDLG 5002A Y is primarily used for drug delivery applications and is suitable for all commonly used formulation techniques.

Specification	Test	Method	Specification
	Appearance	visual	white to light tan granules
	Identification	FTIR	conforms to reference
	DL-lactide content	HNMR	47 - 53 mol%
	Glycolide content	HNMR	53 - 47 mol%
	Inherent viscosity	CHCl <sub>3</sub> , 25°C, 1 g/dl	0.16 - 0.24 dl/g
	Residual monomer	GC	max. 0.5 wt. %
	Acid number	Titration	min. 6 mg KOH/g

For each batch a certificate of analysis is provided, showing the analytical data determined in our quality control laboratory. Additional analytical data can be made available upon request.

Physical-chemical properties	Property	Value
	Molecular formula	(C <sub>6</sub> H <sub>8</sub> O <sub>4</sub> *C <sub>4</sub> H <sub>4</sub> O <sub>4</sub> ) <sub>n</sub>
	Chemical name	3,6-dimethyl-1,4-dioxane-2,5-dione, polymer with 1,4-dioxane-2,5-dione
	CAS Registry number	26780-50-7

**Packaging** PURASORB PDLG 5002A Y can be supplied in 1 kg packages. Normal packaging consists of an inner bag of clean room grade PE and an outer bag of aluminum coated polyester-PE laminate. The packed product is shipped in an additional bag of PE and in PE containers for added protection.

**Storage & Handling** When stored in the original packaging at low temperatures (-15°C), PURASORB PDLG 5002A Y keeps its initial properties for at least three years.

Current stability studies indicate that when stored in the original packaging at room temperature PURASORB PDLG 5002A Y keeps its initial properties for at least one year.

Allow the material to reach room temperature before opening the packaging. After opening the original packaging PURASORB PDLG 5002A Y is best stored in an inert atmosphere and at low temperatures (-15°C).