

PURASORB® PLC 8516

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Product data sheet

Description PURASORB PLC 8516 is a GMP grade copolymer of L-lactide and ε-caprolactone in a 85/15 molar ratio and with an inherent viscosity midpoint of 1.6 dl/g. It is supplied in the form of white to light tan granules. PURASORB PLC 8516 is primarily used for medical device applications and is suitable for all commonly used polymer processing techniques.

Specification	Test	Method	Specification
	Appearance	visual	white to light tan granules
	Identification	FTIR	conforms to reference
	L-lactide content	HNMR	82 - 88 mol%
	Caprolactone content	HNMR	18 - 12 mol%
	Inherent viscosity	CHCl ₃ , 25°C, 0.1 g/dl	1.3 - 1.9 dl/g
	Residual monomer	GC	max. 0.5 wt. %

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	Test	Method
	Molecular formula	$(C_6H_8O_4 * C_6H_{10}O_2)_n$
	Chemical name	(3S-cis)-3,6-dimethyl-1,4-dioxane-2,5-dione, polymer with 2-oxepanone
	CAS Registry number	65408-67-5

Packaging PURASORB PLC 8516 can be supplied in 1 or 5 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 PLC 8516 keeps its initial properties for five years.

Allow the material to reach room temperature before opening the packaging. After opening the original packaging PURASORB PLC 8516 is best stored in an inert atmosphere and at low temperatures (-15°C).