

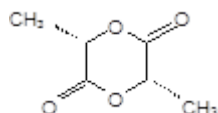
PURASORB® L

Product data sheet

Rev. No. 5 / March 2015

Description

PURASORB L is a GMP grade L-lactide, a dimer of L-lactic acid. L-lactide is white, crystalline solid and is commonly used for the synthesis of lactide containing polymers and copolymers.



L-lactide

Specification	Test	Method	Specification
	Appearance	visual	white crystalline solid
	Identification	FTIR	conforms to reference
	Assay	GC	min. 99.5 wt. %
	Melting range	DSC, 10°C/min.	96 – 100 °C
	Free acid	titration	max. 1 meq/kg
	Water content	titration	max. 0.02 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

Molecular formula	C ₆ H ₈ O ₄
Molecular weight	144.13 g/mol
Chemical name	(3S-cis)-3,6-dimethyl-1,4-dioxane-2,5-dione
CAS Registry number	4511-42-6

Packaging

PURASORB L can be supplied in 1, 5 or 10 kg packages. Normal packaging consists of a vacuum-sealed 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

Current stability studies show that when stored in the original packaging at low temperatures (-15°C), PURASORB L keeps its initial properties for at least three years.

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