

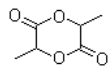
FUTERRO L-LACTIDE

LDFL-L-10 / *Futero ref.*
L-LACTIDE / *product name*

DESCRIPTION

L-Lactide is produced by direct cyclisation of linear esters or acid oligomers, made by polycondensation of the corresponding L(+)-lactic acid and/or L(+)-lactic acid ester. After several solvent-free purification steps, small white flakes of pure lactide are obtained. Two grades are available in Futerro's range

PHYSICO-CHEMICAL PROPERTIES ⁽¹⁾

Chemical name		3,6-dimethyl-1,4-dioxane-2,5-dione
Molecular weight	<i>g/mol</i>	144.13
Molecular formula		C ₆ H ₈ O ₄
Molecular structure		
Melting range	°C	max: 98° - 99.8°C

SENSORY CHARACTERISTICS

Appearance		White crystals
Odor	-	Nearly odorless

PURITY ⁽¹⁾

Assay	<i>% w/w</i>	Min. 99
Stereochemical purity	<i>% L(+)</i>	Min. 99
Free acidity	<i>Meq/kg</i>	Max. 10
Water content	<i>ppm</i>	Max. 100
Heavy metals	<i>ppm</i>	Max. 10
Lactide content	<i>% mol.</i>	Min. 99,7
Meso-Lactide content	<i>% mol.</i>	Max. 0,2
GC spectrum	-	Conforms to standard

(1) Typical properties; not to be construed as specifications.

CAS number	4511-42-6
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