

FUTERRO L-LACTIC ACID OLIGOMERS

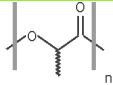
/ Futerro ref.

L-OLIGOMER / product name

DESCRIPTION

L-Lactic Acid Oligomers are produced by two different ways: polycondensation of L(+)-Lactic acid or by ring opening polymerization of L-Lactide. For the first reaction, chains of L-oligomers are linear and have an average molecular weight. In the case of the polymerization, L-Oligomers synthesized are branched and could have a variable molecular weight. Several grades are available in Futerro's range.

PHYSICO-CHEMICAL PROPERTIES ⁽¹⁾

Chemical name		2-Hydroxypropanoic acid Oligomer
Molecular weight	<i>g/mol</i>	400 – 5000
Molecular formula		[C ₃ H ₄ O ₂] _n
Molecular structure		
Melting range	°C	max: 130° - 145°C

SENSORY CHARACTERISTICS

Appearance		White crystals
Odor	-	Nearly odorless

PURITY ⁽¹⁾

Total Acidity	% w/w	120 - 122
Free acidity	% w/w	8 - 12
Stereochemical purity	% L(+)	Min. 98
Heavy metals	<i>ppm</i>	Max. 10
Viscosity	% <i>mol.</i>	

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

CAS number	9051-89-2
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