FUTERRO L-LACTIC ACID OLIGOMERS

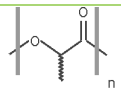
/ *Futerro ref.*

L-OLIGOMER / *product name*

Description

L-Lactic Acid Oligomers are produced by two different ways: polycondenzation 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

Chemical name		2-Hydroxypropanoic acid Oligomer
Molecular weight	*g/mol*	400 – 5000
Molecular formula		$[\ C_3H_4O_2]_n$
Molecular structure		
Melting range	℃	max: 130° - 145℃

SENSORY CHARACTERISCTICS

Appearance		Solid
Odor	-	Nearly odorless

PURITY

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

REGISTRATION

CAS number	9051-89-2

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