

Product Data Sheet

Lumilact® L

Revision date 07 May 2019
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Date previous version 20 Jul 2017
Version & language 10/0901 - EN
Product availability Global
Product status Commercial

PRODUCT DATA SHEET
LUMILACT® L

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DESCRIPTION

Lumilact® L is a dimer of L-Lactic acid. Lumilact® L is a white, crystalline solid that is commonly used to prepare L-Lactide containing homopolymers or copolymers.

TYPICAL PROPERTIES¹

Category	Typical value
Product	L-lactide
Form	White crystalline solid
Melting range	90-100°C
Assay	≥ 99% (w/w)
Stereochemical purity	≥ 99.5% (% L-isomer)
Free acid	≤ 7 (meq/kg)
Meso lactide content	≤ 0.50%
Water	≤ 0.03%
Heavy metals	≤ 10 ppm
Tin	≤ 2 ppm
Physical chemical properties	Typical value
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
Regulatory/Registration	
CAS number L-lactide	4511-42-6
CAS number general lactide	95-96-5

¹ Typical properties, not to be interpreted as specifications

ADDITIONAL INFORMATION

Preferably store below 35 degrees C. Not intended for medical and/or pharmaceutical purposes. Lumilact® L can lump during transport or over time. These lumps do not impact the product quality and are relatively easy to break.



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