

Product Data Sheet

Lumilact® L

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Page 1 of 1
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Version & language 10/0901 - EN
Product availability Global
Product status Commercial

PRODUCT DATA SHEET

LUMILACT® L

Interested in solutions for bioplastics? Please contact us at

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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.

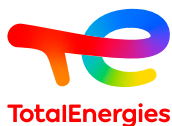
TYPICAL PROPERTIES¹

| 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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