

# D-Lactic acid (PG90)

D-Lactic acid (PG90) is a polymeric grade lactic acid with high optical purity and high chemical purity. The lower impurity content makes this product suitable for polycondensation or polylactide preparation.

## Description

Name	D-Lactic acid
Molecular Formula	CH <sub>3</sub> CHOHCOOH
Molecular weight	90.08
CAS number	10326-41-7

## Specification

Properties	D-Lactic acid (PG90)
Appearance	Colorless clear or slightly yellow viscous liquid
Assay, %	89.5 ~ 90.5
Optical purity, % D/(L+D) × 100	≥99
Density, g/mL	1.20 ~1.22
Color, APHA	≤ 35
Color, (180°C, 2 hours), APHA	≤ 50
Chloride (based on Cl <sup>-</sup> ), %	≤ 0.001
Sulfate (measured as SO <sub>4</sub> <sup>2-</sup> ), %	≤ 0.001
Heavy metals, %	≤ 0.0005

## Packing

Polyethylene plastic drum, net weight 200kg/barrel or 25kg/barrel.

**Storage and transportation** Store in a cool, dry place.



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