

PRODUCT DATA

DL-Lactic Acid

Description

DL-Lactic acid is the natural DL- lactic acid, which is produced by bio-fermentation from grain starch. It is colorless or yellowish, nearly odorless, oily liquid having a slight acid taste. It is hygroscopic, and all soluble in water, ethanol or ether, but insoluble in chloroform.

Information

Chemical name	DL-2-hydroxypropionic acid
Molecular formula	CH ₃ CHOHCOOH
Molecular weight	90.08
CAS	598-82-3
Packing	polyethylene drum, net 250kg or 25kg per drum

Specification

Identification	(1) Lactic acid solution(1+10) is acidic (2) Lactic acid responds to the test for lactate.
Color, APHA	≤50
Chloride (as Cl), %	≤0.002
Sulphate (as SO ₄), %	≤0.005
Citric, oxalic, tartaric or phosphoric acid	Passes test
Reducing sugars	Passes test
Sulphated ash, %	≤0.05
Calcium, %	Passes test
Iron (Fe), %	≤0.001
Heavy metals (as Pb), mg/kg	≤10
Arsenic (As), %	≤0.0001
Assay, %	Not less than 98.0 and not more than 102.0 of the labeled concentration
Specific rotation or Stereochemical purity, %, L/(L+D)×100	According to the contract
Readily carbonizable substances	Passes test
Ether insoluble substances	Passes test