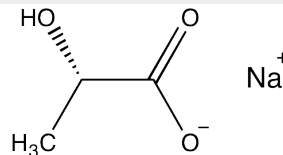


Sodium lactate, solution 50% w/w, Pharmpur®, Ph Eur, BP, USP

Identification

$C_3H_5NaO_3$
M = 112,06 g/mol
CAS [867-56-1]
EC number: 200-772-0
Taric code: 2918 11 00



Synonyms

L-2-Hydroxypropanoic acid sodium salt, Lactic acid sodium salt

Applications

synthesis of organic products, for pharmaceuticals synthesizing, in food industry (E 325), humectant, in pharma industry.

Specifications

assay (titration with $HClO_4$).....	min. 50 %	Limit of methanol and methyl esters.....	passes test
assay (titration with $HClO_4$, labeled amount of $C_3H_5NaO_3$)	98,0 - 102,0	pH (substance to be examined).....	6,5 - 9,0
%		chlorides (Cl).....	max. 50 ppm
assay (S-enantiomer, labeled amount of $C_3H_5NaO_3$)	min. 95,0 %	oxalates and phosphates.....	passes test
(S)-enantiomer laevorotatory test.....	passes test	sulfates (SO_4).....	max. 100 ppm
Identification sodium.....	passes test	sulfates (SO_4).....	passes test
Identification lactates.....	passes test	barium (Ba).....	passes test
appearance of solution.....	passes test	iron (Fe).....	max. 10 ppm
sugars.....	passes test	sucrose and reducing sugars.....	passes test
Limit of citrate, oxalate, phosphate, or tartrate....	passes test	methanol (G.C.).....	max. 50 ppm

Physical data

- Density: 1,263 g/cm³
- Solub. in water: (20 °C): miscible
- Boiling point: 109 °C
- pH(500 g/l, H_2O , 20 °C) 6

Transport/storage

- 10°C - 30°C