

PURASAL® Powder S 100

Description

PURASAL Powder S 100 is the solid sodium salt of natural L-Lactic acid, which is produced by fermentation from sugar. It consists of 100% sodium lactate. PURASAL Powder S 100 is a white powder. It is a free flowing hygroscopic salt and has a neutral pH.

Specification

Product	Sodium-L-lactate
Form	Powder crystals
Assay sodium lactate	min. 98.5% w/w
Water content (KF)	max. 1.0% w/w

Purity

Stereochemical purity (L-isomer)	min. 95%
Acidity, as lactic acid	max. 0.5%*
Heavy metals total as Pb	max. 10 ppm*
Arsenic	max. 3 ppm*
Lead	max. 2 ppm*
Mercury	max. 1 ppm*
Chloride	max. 80 ppm
Sulphate	max. 30 ppm
Iron	max. 10 ppm
pH (20% v/v solution)	6.5-7.5*
pH (direct for 60% solution)	5.0-9.0*
Citrate, oxalate, phosphate, tartrate	passes test FCC*
Sugars	passes test FCC*
Reducing substances	passes test*
Methanol/methyl esters (as methanol)	max. 0.025% w/w*
Cyanide	max. 0.5 ppm*

* Referred to the product solution at 60%

Micro

Mesophilic bacteria	max. 1000 counts/g
Moulds	max. 100 counts/g
Yeasts	max. 100 counts/g

Physical-chemical properties

Molecular formula	CH ₃ CHOHCOONa
Molecular weight	112(anhydrous)
Chemical name	Sodium-L-2-hydroxypropionate

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Product data

Rev.No.1/5216

Registration

CAS number
EC number
FDA
Complies with
Intended use

867-56-1 (general 72-17-3)
E325 sodium lactate
GRAS
FCC and EUSFA
Food

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