

Product data

Rev.No.7/3002

PURASAL[®] S

Description

PURASAL S is the sodium salt of natural L(+) lactic acid, produced by fermentation of sugar. It has a mild saline taste, antimicrobial properties and is neutral by pH.

PURASAL S is the ultra pure food grade L-sodium lactate.

Specification

Product Form	L-Sodium lactate Liquid
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Assay

Assay	58.8-61.2% w/w
Assay sodium	12.1-12.6% w/w
Density at 20°C	1.32-1.34 g/ml

Visual sensoric characteristics Identification

Color fresh	max. 25 apha
Identification of sodium and lactate	passes test
Stereochemical purity (L-isomer)	min. 97%
Solubility in water	miscible with water

Purity

Acidity (as lactic acid)	max. 0.3% w/w
Cyanide	max. 0.3 ppm
Heavy metals total	max. 5 ppm
Iron	max. 10 ppm
Arsenic	max. 1.5 ppm
Lead	max. 2 ppm
Mercury	max. 1 ppm
Citrate, oxalate, phosphate, tartrate	passes test
Reducing substances	passes test
Sugars	passes test
Methanol and methyl esters	max. 50 ppm
Chloride	max. 50 ppm
Sulphate	max. 20 ppm
Volatile fatty acids	passes test
pH (direct)	7.8-8.3
pH 1+5 (v/v)	6.5-7.5%
pH 20% (v/v)	6.5-7.5%

Physical-chemical properties

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

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Registration

CAS number	72-17-3
EEC additive number	E 325
USA	GRAS
Complies with	FCC, EUSFA and JSFA

Packaging

PURASAL S is supplied in 210 L (55 gallon) polyethylene drums (275 kg, 606 lbs), 1000 L (264 gallon) semi-bulk containers (1315 kg, 2899 lbs) and bulk containers.

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