

# GALAFLOW SL 60

SLFTL60 / *galactic ref.*

SODIUM LACTATE 60% / *product name*

## DESCRIPTION

Galaflow SL 60 is the sodium salt of natural L(+) lactic acid made by fermentation from sugar. It has a mild taste, antimicrobial properties and is pH neutral.

Galaflow SL 60 is widely used in food applications as a natural preservative.

## PHYSICO-CHEMICAL PROPERTIES

Chemical name		2-Hydroxypropanoic acid, monosodium salt
Molecular weight	<i>g/mol</i>	112
Molecular formula		C <sub>3</sub> H <sub>5</sub> O <sub>3</sub> Na
Density (@20°C/68°F)	<i>g/mL</i>	1.32 - 1.34
pH (fresh solution)	-	6.5 - 8.5
pH (20% solution)	-	6.5 - 7.5

## SENSORY CHARACTERISTICS

Color (fresh solution)	<i>Hazen</i>	Max. 50
Odor	-	Almost odorless
Taste	-	Mild saline taste

## PURITY

Positive test for lactate	-	Passes test
Positive test for sodium	-	Passes test
Sodium lactate content	<i>% w/w</i>	59 - 61
Sodium content	<i>% w/w</i>	12.1 - 12.6
Total acidity (as lactic acid)	<i>% w/w</i>	Max. 0.3
Stereochemical purity	<i>% L(+)</i>	Min. 97
Heavy metals (as Pb)	<i>ppm</i>	Max. 10
Iron	<i>ppm</i>	Max. 10
Chloride	<i>ppm</i>	Max. 50
Sulphate	<i>ppm</i>	Max. 20
Cyanide	<i>ppm</i>	Max. 0.3
Lead	<i>ppm</i>	Max. 2
Arsenic	<i>ppm</i>	Max. 1
Mercury	<i>ppm</i>	Max. 1
Reducing substances (sugars)	-	Passes test
Citrate, oxalate, phosphate or tartrate	-	Passes test
Methanol and methyl esters	<i>ppm</i>	Max. 50

## REGISTRATION

E-code	E 325
CAS number	867-56-1
GRAS status	Yes
Compliance	Dir. 2008/84/EC & Amendments - FCC VII Kosher - Halal

## PACKAGING

See packaging list

## STORAGE CONDITIONS

Dry, well ventilated room

## SHELF-LIFE

24 months