

GALAFLOW SL PHARMA 50

SLPHL50 / *galactic ref.*

SODIUM LACTATE 50% PHARMACEUTICAL / *product name*

DESCRIPTION

Galaflow SL Pharma 50 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.

PHYSICO-CHEMICAL PROPERTIES

Chemical name		2-Hydroxypropanoic acid, monosodium salt
Molecular weight	<i>g/mol</i>	112
Molecular formula		C ₃ H ₅ O ₃ Na
Density (@20°C/68°F)	<i>g/mL</i>	1.26 - 1.28
pH (fresh solution)	-	6.5 - 8.5

SENSORY CHARACTERISTICS

Color (fresh solution)	<i>Hazen</i>	Max. 30
Odor	-	Almost odorless
Taste	-	Mild saline taste

PURITY

Appearance of solution	-	Passes test
Positive test for lactate	-	Passes test
Positive test for sodium	-	Passes test
Sodium lactate content	<i>% w/w</i>	50 - 52
Sodium content	<i>% w/w</i>	10.3 - 10.7
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. 5
Iron	<i>ppm</i>	Max. 5
Calcium	<i>ppm</i>	Max. 10
Chloride	<i>ppm</i>	Max. 25
Sulphate	<i>ppm</i>	Max. 20
Lead	<i>ppm</i>	Max. 5
Arsenic	<i>ppm</i>	Max. 1
Mercury	<i>ppm</i>	Max. 1
Barium	-	Passes test
Reducing substances (sugars) & sucrose	-	Passes test
Reducing substances (sugars)	-	Passes test
Oxalate and phosphate	-	Passes test
Citrate, oxalate, phosphate or tartrate	-	Passes test
Methanol and methyl esters	<i>ppm</i>	Max. 25
Ethanol	<i>ppm</i>	Max. 150
Bacterial endotoxins (LAL test)	<i>IU/g</i>	Max. 5
Mesophilic bacteria	<i>counts/g</i>	Max. 100
Moulds	<i>counts/g</i>	Max. 10
Yeasts	<i>counts/g</i>	Max. 100

REGISTRATION

Labeling	E 325
CAS number	867-56-1
GRAS status	Yes
Complies with	EP* - USP*
*Latest edition	Kosher - Halal

PACKAGING

See packaging list

STORAGE CONDITIONS

Dry, well ventilated room

SHELF-LIFE

48 months

