

GALACID INJECTABLE 90

LAPIL90 / *galactic ref.*

LACTIC ACID 90% INJECTABLE / *product name*

DESCRIPTION

Galacid Injectable 90 is a natural L(+) lactic acid produced by fermentation from sugar. It is colorless, heat stable and has a mild acid taste.

PHYSICO-CHEMICAL PROPERTIES

Chemical name		2-Hydroxypropanoic acid
Molecular weight	<i>g/mol</i>	90
Molecular formula		C ₃ H ₆ O ₃
Density (@20°C/68°F)	<i>g/mL</i>	1.20 - 1.21
Solubility	-	Soluble in water and ethanol

SENSORY CHARACTERISTICS

Color (fresh solution)	<i>Hazen</i>	Max. 10
Color after heating (@200°C/392°F, 2h)	<i>Hazen</i>	Max. 50
Odor	-	Nearly odorless
Taste	-	Mild acid

PURITY

Total acidity (as lactic acid)	<i>% w/w</i>	89.5 - 90.5
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. 5
Chloride	<i>ppm</i>	Max. 10
Sulphate	<i>ppm</i>	Max. 10
Sulphated ash	<i>% w/w</i>	Max. 0.01
Arsenic	<i>ppm</i>	Max. 1
Mercury	<i>ppm</i>	Max. 1
Reducing substances (sugars)	-	Passes test
Citric, oxalic, tartaric and phosphoric acids	-	Passes test
Methanol and methyl esters	<i>ppm</i>	Not detectable
Volatile fatty acids	-	Passes test
Readily carbonizable substances	-	Passes test
Ether - insoluble substances	-	Passes test
Bacterial endotoxins (LAL test)	<i>E.U./mL</i>	Max. 5

REGISTRATION

Labeling		E 270
CAS number		79-33-4
GRAS status		Yes
Complies with		EP* - USP*
*Latest edition		Kosher - Halal

PACKAGING

See packaging list

STORAGE CONDITIONS

Dry, well ventilated room

SHELF-LIFE

24 months