

GALACID FOOD 80

LAFCL80 / *galactic ref.*

LACTIC ACID 80% FOOD / *product name*

DESCRIPTION

Galacid Food 80 is a natural L(+) lactic acid produced by fermentation from sugar. It has a mild acid taste and is widely used as an acidulant for preservation and flavor enhancement in various food applications.

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>	1.18 - 1.19
Solubility	-	Soluble in water and ethanol

SENSORY CHARACTERISTICS

Color (fresh solution)	<i>Hazen</i>	Max. 150
Odor	-	Nearly odorless
Taste	-	Mild acid

PURITY

Positive test for lactate	-	Passes test
Total acidity (as lactic acid)	<i>% w/w</i>	79.5 - 80.5
Stereochemical purity	<i>% L(+)</i>	Min. 97
Heavy metals (as Pb)	<i>ppm</i>	Max. 10
Iron	<i>ppm</i>	Max. 10
Calcium	<i>ppm</i>	Max. 10
Chloride	<i>ppm</i>	Max. 10
Sulphate	<i>ppm</i>	Max. 10
Sulphated ash	<i>% w/w</i>	Max. 0.1
Cyanide	<i>ppm</i>	Max. 5
Lead	<i>ppm</i>	Max. 0.5
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

REGISTRATION

Labeling	E 270
CAS number	79-33-4
GRAS status	Yes
Complies with	Eur Reg 231/2012 - FCC*
*Latest edition	Kosher - Halal

PACKAGING

See packaging list

STORAGE CONDITIONS

Dry, well ventilated room

SHELF-LIFE

24 months