

GALACID EXCEL 80

LAFTL80 / *galactic ref.*

LACTIC ACID 80% EXCEL / *product name*

DESCRIPTION

GALACID EXCEL 80 is a natural L(+) lactic acid produced by fermentation from sugar. It is fully transparent and has a mild acid taste. It 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

Colour (fresh solution)	<i>Hazen</i>	Max. 50
Odour	-	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. 0.05
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 ⁽²⁾	Lactic acid - E 270 - Lactic acid of natural origin - Lactic acid made by fermentation
CAS number	79-33-4
GRAS status	Yes
Complies with	Eur Reg 231/2012 - FCC ⁽¹⁾ Kosher - Halal

PACKAGING

See packaging list

STORAGE CONDITIONS

Dry, well-ventilated room

SHELF-LIFE

48 months

LEGEND

⁽¹⁾ Latest edition

⁽²⁾ Several designations are allowed subject to the local regulations