

# GALACID POWDER 60

LASDL60 / *galactic ref.*

LACTIC ACID 60% POWDER / *product name*

## DESCRIPTION

Galacid Powder 60 is a natural L(+) lactic acid produced by fermentation. It is a white powder based on calcium lactate carrier.

## PHYSICO-CHEMICAL PROPERTIES

Chemical name		2-Hydroxypropanoic acid (Lactic acid) Calcium 2-Hydroxypropanoate (Calcium lactate)
Molecular weight	<i>g/mol</i>	90 (Lactic acid) 218 (Calcium lactate)
Molecular formula		C <sub>3</sub> H <sub>6</sub> O <sub>3</sub> (Lactic acid) (C <sub>3</sub> H <sub>5</sub> O <sub>3</sub> ) <sub>2</sub> Ca (Calcium lactate)
Form	-	Powder
Particle size	<i>μm</i>	Min. 98% < 710 μm
pH (10% solution)	-	3.1 - 3.3

## SENSORY CHARACTERISTICS

Color	-	White
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## PURITY

Positive test for lactate	-	Passes test
Lactic acid content	% w/w	58.0 - 62.0
Calcium lactate content	% w/w	37.0 - 41.0
Silicon dioxide content	% w/w	1.0 - 3.0
Water content	% w/w	Max. 2.0
Heavy metals (as Pb)	ppm	Max. 10
Arsenic	ppm	Max. 1
Mesophilic bacteria	counts/g	Max. 1000
Moulds	counts/g	Max. 100
Yeasts	counts/g	Max. 100

## REGISTRATION

Labeling	E 270 (Lactic acid) E 327 (Calcium lactate) E 551 (Silicon dioxide)
CAS number	79-33-4 (Lactic acid) 28305-25-1 (Calcium lactate) 7631-86-9 (Silicon dioxide)
GRAS status	Yes for each element
Each ingredient 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