

## **GALACID POWDER 60, LASDL60**

**Description:** GALACID POWDER 60 is a natural L(+) lactic acid produced by fermentation. It is a white powder based on calcium lactate carrier.

### **LACTIC ACID 60% POWDER**

#### **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% < 710µm

#### **SENSORY CHARACTERISTICS**

Color	-	White
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#### **PURITY**

Positive test for lactate	-	Passes test
Lactic acid content	<i>% w/w</i>	58.0 – 62.0
Calcium lactate content	<i>% w/w</i>	36.0 – 42.0
Silicon dioxide content	<i>% w/w</i>	Max. 3.0
Water content	<i>% w/w</i>	Max. 2.0
Heavy metals (as Pb)	<i>ppm</i>	Max. 10
Arsenic	<i>ppm</i>	Max. 1
Mesophilic bacteria	<i>counts/g</i>	Max. 1000
Moulds	<i>counts/g</i>	Max. 100
Yeasts	<i>counts/g</i>	Max. 100



## REGISTRATION

Labeling <sup>(2)</sup>	Lactic acid – E 270 – Lactic acid of natural origin – Lactic acid made by fermentation Calcium lactate – E 327 - Calcium lactate of natural origin – Calcium lactate made by fermentation
CAS number	79-33-4 (Lactic acid) 28305-25-1 (Calcium lactate)
GRAS status	Yes for each element
Complies with	Eur. Reg. 231/2012 – FCC <sup>(1)</sup> Halal - Kosher

PACKAGING – See packaging list

STORAGE CONDITIONS – Dry, well-ventilated room

SHELF-LIFE – 24 months

## LEGEND

<sup>(1)</sup> Latest edition

<sup>(2)</sup> Several designations are allowed subject to the local regulations

