

**SODIUM LACTATE 60% SOLUTION SPECIFICATION**

**Anhydrous Crystals 12-24 Mesh**

**Description**

Formula	C <sub>3</sub> H <sub>5</sub> O <sub>3</sub> Na
Synonyms	Sodium Lactate 60%, 2-Hydroxypropanoic acid monosodium salt
CAS no:	867-56-1
E number	E325
Molecular weight	112g/mol

**Test**

**Specifications**

**Physio-Chemical Properties**

Density (@ 20°C/68°F)(g/ml)	1.32-1.34
pH (fresh solution)	6.5-8.5
pH (20% solution)	6.5-7.5

**Sensory Characteristics**

Colour (Fresh Solution )(Hazen)	50 max
Odour	Almost odourless
Taste	Mild Saline Taste

**Purity**

Positive test for Lactate	passes test
Positive test for sodium	passes test
Sodium Lactate content (%w/w)	59-61
Sodium Content (%w/w)	12.1-12.6
Total Acidity (as Lactic Acid)(%w/w)	0.3
Stereochemical purity (%L(+))	97 min
Heavy metals (asPb)(ppm)	10 max
Iron (ppm)	10 max
Chloride (ppm)	50 max
Sulphate (ppm)	20 max
Cyanide (ppm)	0.3 max
Lead (ppm)	2 max
Arsenic (ppm)	1 max
Mercury (ppm)	1 max
Reducing substances (sugars)	passes test
Citrate, Oxalate, Phosphate or Tartrate	passes test
Methanol and methyl esters (ppm)	50 max

COMPLIES WITH LATEST EDITION: Eur Reg 231/2012-FCC Kosher-Halal