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CERTIFICATE OF ANALYSIS

Galactic name :	GALAFLOW SL 60	Lot N° :	G-1801-023
Galactic ref :	SLFTL60	Manufacturing date :	09.01.2018
Product name :	Sodium Lactate 60%	Retest date :	08.01.2022
Complies with :	Eur Reg 231/2012 - FCC(1)		(1) Latest Edition

	Unit	Value
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PHYSICO-CHEMICAL PROPERTIES

Description		Clear, hygroscopic and syrupy solution. It is almost odourless and miscible with water
Density (@20°C/68°F)	g/mL	1.32 - 1.34
pH (fresh solution)		8.4
pH (20% solution)		7.4

SENSORY CHARACTERISTICS

Colour (fresh solution)	Hazen	27
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PURITY

Positive test for lactate		Passes test
Positive test for sodium		Passes test
Sodium lactate content	% w/w	59.6
Sodium content	% w/w	12.2
Total acidity (as lactic acid)	% w/w	Max. 0.3
Stereochemical purity	% L(+)	Min. 97
Heavy metals (as Pb)	ppm	Max. 10
Iron	ppm	Max. 10
Chloride	ppm	Max. 50
Sulphate	ppm	Max. 20
Cyanide	ppm	Max. 0.3
Lead	ppm	Max. 2
Arsenic	ppm	Max. 1
Mercury	ppm	Max. 1
Reducing substances (sugars)		Passes test
Citrate, oxalate, phosphate or tartrate		Passes test
Methanol and methyl esters	ppm	Max. 50

All parameters are validated by direct analysis on the final product or through our in-process control and so not tested on every batch.

Approved by S. Debyttère, QC laboratory Manager, on January 12, 2018

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