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## CERTIFICATE OF ANALYSIS

Galactic name :	GALAFLOW SL 60	Lot N° :	G-1910-096
Galactic ref :	SLFTL60	Manufacturing date :	18.10.2019
Product name :	Sodium Lactate 60%	Retest date :	17.10.2023
Complies with :	Eur Reg 231/2012 - FCC(1)		(1) Latest Edition

	Unit	Value
<b>PHYSICO-CHEMICAL PROPERTIES</b>		
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)	-	8.1
pH (20% solution)	-	7.1
<b>SENSORY CHARACTERISTICS</b>		
Colour (fresh solution)	Hazen	21
<b>PURITY</b>		
Positive test for lactate	-	Passes test
Positive test for sodium	-	Passes test
Sodium lactate content	% w/w	59.3
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. Debyttre, QC laboratory Manager, on October 22 ,2019

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