

# Certificate of Analysis

## Gracefruit Ltd

Material / Product / Description  
133197 / / Sodium Lactate Solution 60%

Country of origin: FR

Batch: 5112792      Date of production: 02.07.2016      Date of expiry: 07.2018      Production plant: France

We herewith confirm that this product meets the requirements of Commission regulation (EU) No. 231/2012 and of the latest edition of the Food Chemical Codex (FCC). All analytical methods are in accordance with the latest requirements of the FCC or equivalent methods. Test methods are available on request.

Parameter	Unit	Specification	Value
Colour (fresh)	APHA	<= 50.0	6.0
Identification			conforms
Assay	%	59.0 - 61.0	60.8
Stereochemical purity (L-isomer)	%	>= 97	conforms*
Chloride	mg/kg	<= 50.00	conforms*
Sulphate	mg/kg	<= 20	conforms*
Cyanide	mg/kg	<= 0.3	conforms*
Lead (Pb)	mg/kg	<= 2.00	conforms*
Arsenic	mg/kg	<= 1	conforms*
Mercury	mg/kg	<= 1	conforms*
Heavy Metals (as Pb)	mg/kg	<= 5	conforms*
Reducing sugars			conforms*
Methanol and methyl esters	mg/kg	<= 50	conforms*
Acidity (as lactic acid)	%	<= 0.3	conforms*
pH value (20% solution)		6.5 - 7.5	7.1
Citrate, oxalate, phosphate, tartrate			conforms*
Sodium content	%	12.1 - 12.6	conforms*
Iron	mg/kg	<= 10.0	conforms*

\*) analysis is confirmed based on In-Process-Control or by random testing.

This computer generated certificate is valid without signature.