

SAMPLE

Certificate of Analysis

Date format MM/DD/YYYY
Creation date
Your order no.
Date
Delivery note
Date of dispatch
Our reference
Date
Client number
Date of arrival

Material / Product / Description

131492 / 44503DPN0551 / L(+)-lactic acid 88% food grade in 250 kg drums UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (lactic acid), 8, III, (E)

Shipping point

Jungbunzlauer S.A., Z.I. Et Portuaire - B.P. 32, 67390 Marckolsheim

Batch	Quantity	Date of production	Date of expiry	Production plant, country	Country of Origin
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We herewith confirm that this product is specified to meet the requirements of the latest edition of the Food Chemicals Codex (FCC) and of Commission Regulation (EU) No 231/2012. All analytical methods are in accordance with the latest requirements of the FCC or are equivalent. Test methods are available on request.

Parameter	Unit	Specification	Value
Assay	%	87.5 - 88.5	87.8
Stereochemical purity (L-isomer)	%	>= 97	conforms*
Colour (fresh)	APHA	<= 50	9
Colour (6 months, 25°C)	APHA	<= 50	conforms*
Identification			conforms
Density (20°C)	g/cm3	1.19 - 1.21	1.21
Sulfated ash	%	<= 0.1	conforms*
Chloride	mg/kg	<= 20	conforms*
Sulphate	mg/kg	<= 100	conforms*
Cyanide	mg/kg	<= 5	conforms*
Iron	mg/kg	<= 10	conforms*
Arsenic	mg/kg	<= 1	conforms*
Lead (Pb)	mg/kg	<= 0.5	conforms*
Mercury	mg/kg	<= 1	conforms*
Calcium	mg/kg	<= 20	conforms*
Citric oxalic phosphoric tartaric acid			conforms*
Readily carbonisable substances			conforms*
Reducing sugars			conforms*

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

This computer generated certificate is valid without signature.