

PRODUCT SPECIFICATION

PRODUCT: Lactic Acid 88%

CODE: DG-LACTIC

Specifications				
Description	Unit	Typical	Guaranteed	Method
Description: water white with Assay	%		Min 88.0	
Stereochemical Purity L (+) Isomer	%		Min 96.0	
Density @ 20 deg C	g/ml		1.195 - 1.205	
Ether-Insoluble substances			Passes Test	EP
Colour, Fresh	APHA		Max 30	
Colour, 2 hrs @ 200 deg C	APHA		Max 30	
Odour: lightly acid			Conforms	
Taste: agreeable			Conforms	
Identification			Passes Test	FCC
Residue on Ignition	%		Max 0.1	
Calcium	ppm		Max 10	
Heavy metals as Pb	ppm		Max 10	
Chloride	ppm		Max 10	
Sulphate	ppm		Max 10	
Iron	ppm		Max 10	
Sulphated ash	%		Max 0.05	
Cyanide	ppm		Max 5	
Lead	ppm		Max 0.5	
Mercury, Hg	mg/kg		Max 1	
Cadmium, Cd	mg/kg		Max 1	
Reducing sugar			Passes Test	FCC
Citric, Oxalic, Tartaric & Phosphoric			Passes Test	FCC
Methanol and Methyl Esters			not detectable	
Volatile Fatty Acid			Passes Test	EP
Readily Carbonisable Substances			Passes Test	USP
Conforms to FCC10			Conforms	

Shelf Life: 730 Days

CAS Number: 50-21-5

Version	Date	Summary of changes made from previous version:	Actioned by:	Authorised by:
1	26/05/2019	Original Release	Maree Edleston	Michael Watson