



**SPECIFICATION SHEET**

**Product Name** : (S)-Lactic acid about 90% Ph Eur, BP, E 270  
**Product Number** : 942.013  
**Brand** : ISOLAB  
**CAS Number** : 79-33-4  
**Formula** : -  
**Formula Weight** : -

TEST NAME	SPECIFICATION	UNIT
Assay	88.0 – 92.0%	%
Assay (stereochemical purity)	≥ 97.0%	%
Identity (IR-Spectrum)	passes test	
Identity (pH)	passes test	
Identity (Density)	passes test	
Identity (Lactat)	passes test	
Identity (Assay)	passes test	
Appearance	Transparent, syrupy and hygroscopic liquid	
Ether insoluble substances	passes test	
Citric, oxalic, tartaric and phosphoric acids	passes test	
Density (at 20°C/68°F)	1.20 – 1.21	
Chloride (Cl)	≤ 0.001%	%
Sulphate	≤ 0.001%	%
Heavy Metals (as Pb)	≤ 0.0005%	%
As (Arsenic)	≤ 0.0001%	%
Ca (Calcium)	≤ 0.0005%	%
Fe (Iron)	≤ 0.0005%	%
Hg (Mercury)	≤ 0.0001%	%
Pb (Lead)	≤ 0.00005%	%
Sugars and other reducing substances	passes test	
Sulfated ash	≤ 0.05%	%
Colour (fresh solution)	6	Hazen
Colour after heating (at 200 °C, 2h)	≤ 20	
Volatile fatty Acid	passes test	
Readily carbonizable substances	passes test	

Quality Management  
Isolab Laborgerate GmbH

