

Technical Data Sheet

Product Name	Lactic Acid P.G.		
Product #	KS-01651	CAS #	79-33-4
Ph. Eur., BP, USP.			
Specifications			
Assay (Alkalimetric)	88.0% - 92.0%		
Assay (Stereo-Chemical Purity of (S)-Lactic Acid)	≥ 95.0%		
Identity (IR-Spectrum)	Passes test		
Identity (Assay)	Passes test		
Appearance	Clear, oily liquid		
Ether-Insoluble Substances	Passes test		
Citric, Oxalic, Phosphoric Acids	Passes test		
Chloride (Cl)	≤ 0.2%		
Sulfate (SO ₄)	≤ 0.02%		
Arsenic (As)	≤ 0.0003%		
Calcium (Ca)	≤ 0.02%		
Iron (Fe)	≤ 0.001%		
Mercury (Hg)	≤ 0.0001		
Lead (Pb)	≤ 0.0002		
Ethanol	≤ 0.5%		
Acetic Acid	≤ 0.5%		
Methanol	≤ 0.005%		

Sugars and Other Reducing Substances	Passes test
Sulfated Ash (600°C)	$\leq 0.10\%$
Total Aerobic Microbial Count (TAMC)	$\leq 10^2$
Total Combined Yeasts/Moulds Count (TYMC)	$\leq 10^2$
Bacterial Endotoxins	$\leq 5 \text{ I.U./g}$

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