

Technical Data Sheet

Product Name	Urea A.R.		
Product #	KS-03001	CAS #	57-13-6
For laboratory use, ACS, Ph. Eur.			
Specifications			
Assay (ex N, Calculated on Dried Substance)	99.0% -101.5%		
Purity (DSC (Differential Scanning Calorimetry))	≥ 99.5%		
Identity (IR-Spectrum)	Passes test		
Appearance of Solution (10 %; Water; Color)	Colorless clear		
In Water Insoluble Matter	≤ 0.003%		
Melting Point	132 - 135°C		
Ammonium (NH ₄)	≤ 0.0500%		
Chloride (Cl)	≤ 0.0005%		
Sulfate (SO ₄)	≤ 0.001%		
Heavy Metals (as Pb)	≤ 0.0004%		
Biuret	≤ 0.05%		
Sulfated Ash (600°C)	≤ 0.005%		
Copper (Cu)	≤ 0.0001%		
Iron (Fe)	≤ 0.0001%		
Lead (Pb)	≤ 0.0002%		
Loss on Drying (105°C)	≤ 1.0%		

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