

Technical Data Sheet

Product Name	Triethanol Amine A.R.		
Product #	KS-02859	CAS #	102-71-6
For laboratory use, ACS, Ph. Eur.			
Specifications			
Assay (Acidimetric, Calculated on Anhydrous Substance)	99.0% -103.0%		
Identity (IR-Spectrum)	Passes test		
Identity (GC)	Conforms		
Appearance	Colorless to slightly yellow viscous liquid		
Appearance of Solution	Clear and not more intense in color than reference solution B ₆		
Clarity of Solution	Passes test		
Refractive Index (n 20/D)	1.482-1.485		
Relative Density (d 20/20)	1.120-1.130		
Relative Density (d 25/25)	1.120 -1.128		
Heavy Metals (as Pb)	≤ 0.0010%		
Arsenic (As)	≤ 0.000075%		
Iron (Fe)	≤ 0.0005%		
Related Substances (Ethanolamine, GC)	≤ 0.1%		
Related Substances (Diethanol Amine, GC)	≤ 0.5%		
Related Substances (Total Impurity, GC)	≤ 1.0%		
Related Substances (N-Nitrosodiethanol Amine, GC)	≤ 24 ppb		

Sulfated Ash (600°C)	≤ 0.05%
Water (According to Karl Fischer)	≤ 0.5%
Endotoxins	≤ 2.5 I.U./ml

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