



ANALYSIS CERTIFICATE

Lot/Analysis/Analysis N°: 190944

Product:	TRIETHANOLAMINE
Lot:	190944
Expiry date:	01/06/2025
Reference:	Cumple PhEur9.8
Synonyms:	Trolamina. Trilamina.
Formula:	C ₆ H ₁₅ NO ₃
Molecular weight:	149,19 g/mol

Assay	Result	Specification
Appearance of solution	Conform	Test RFE/Ph. Eur.
Water content H ₂ O- K.F. (s/0,3 g)	0,06 %	<= 1,0%
Sulphated ashes	0,05 %	<= 0,1%
Related substances (GC)	Conform	Test RFE/Ph. Eur.
Identification	Conform (A,B,D)	Test RFE/Ph. Eur.
Organoleptic properties	Conform	RFE/Ph. Eur.
Refractive index	1,4827	1,4820-1,4850
Assay	99,4 %	99,0-103,0%
Density	1,121 g/ml	1,120 - 1,130 g/ml
Monoethanolamine	<= 0,1 %	<= 0,1%
Diethanolamine	<= 0,5 %	<= 0,5%
N-nitrosodiethanolamine (Imp C)	<= 24 ppb	<= 24 ppb
Heavy metals	<= 10 ppm	<= 10 ppm

Organoleptic characteristics:

Conservation: In tightly closed containers. Protect from light and from moisture.

Date of analysis: 04/10/2019

Judgement:
APPROVED

Responsible: M. Bastida

Technical director: Montserrat Enrique

Product	Name	Capacity	Batch
1187022	TRIETANOLAMINA	100 g	190944-J-1
1187023	TRIETANOLAMINA (INACTIVO)	250 g	190944-N-1
1187025	TRIETANOLAMINA	1 kg	190944-P-1
M0019150	TRIETANOLAMINA	g	190944

This certificate is not initialled as it is computer processed, it is validated with the originals available at Acofarma.

Original manufacturer's certificate available on request.

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Date of edition: 02/05/2025