

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by ICG. Certificate Number. 110212Q

Catalogue Number	L14322
Lot Number	A0446306
Description	Ethanolamine hydrochloride, 98+%
CAS Number	2002-24-6
Quality Test/Release Date	29/Sep/2022
Suggested retest date	29/Sep/2027
Country of Origin	BELGIUM
Declaration of Origin	Synthetic
BSE/TSE	Not directly derived from or manufactured with any animal byproducts in any way (including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
Appearance (Color)		White to cream to pale brown	Almost white
Form		Crystals or powder or crystalline powder or lumps or fused solid	Crystals
Infrared spectrum		Conforms	Conforms
Titration Argentometric	%	>=99.0 %	99.8



Ronald Becht
Technical Support Manager

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.