

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by TUV SUD America Inc.
Certificate Number. 951001163

Catalogue Number 012314
Lot Number Q23L029
Description Sodium chloride, ACS, 99.0% min
CAS Number 7647-14-5
Quality Test/Release Date 23/Apr/2025
Suggested retest date 23/Apr/2030
Country of Origin Denmark

Result Name	Units	Specifications	Test Value
Assay (unspecified)	%	≥99.0% NaCl	99.9
Appearance (Color)		White	White
Form		Powder or crystals or crystalline powder	Crystalline powder
Heavy Metals	ppm	≤5ppm (ICP-OES)	<5
Impurity content		Barium (Ba): Passes Test	Passes test
Impurity content	%	Bromine(Br): ≤0.01%	<0.01
Impurity content	%	Calcium (Ca): ≤0.002%	<0.001
Impurity content	%	Chlorate and nitrate (as NO ₃): ≤0.003%	<0.003
Impurity content	%	Iodide (I): ≤0.002%	<0.002
Impurity content	ppm	Iron (Fe): ≤2ppm	<2
Impurity content	%	Magnesium (Mg): ≤0.001%	<0.001
Impurity content	ppm	Phosphate (PO ₄): ≤5ppm	<5
Impurity content	%	Potassium (K): ≤0.005%	<0.001
Impurity content	%	Sulfate (SO ₄): ≤0.004%	<0.004
Insoluble material	%	≤0.005%	<0.005
pH		5.0-9.0 (5% solution at 25°C)	6.1



John Astarita
Director, Quality

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.