



CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by INTERTEK SAI Global Certificate Number. QMS42099

H/1180 Catalogue Number Lot Number 2553735

Description Hydrochloric acid AR Low in cadmium,lead and mercury

CAS Number 7647-01-0 Quality Test/Release Date 26/Sep/2025

Expiry Phrase Use within 3 years of packing date

Country of Origin Austria Declaration of Origin Synthetic

Not directly derived from or manufactured with any animal byproducts in any way BSE/TSE

(Including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
Aluminium (Al)	ppm	<= 0.05	<0.05
Arsenic (As)	ppm	<= 0.01	<0.005
Assay	%	>= 35.5 and <= 38	37.44
Barium (Ba)	ppm	<= 0.02	<0.005
Beryllium (Be)	ppm	<= 0.01	<0.01
Bismuth (Bi)	ppm	<= 0.02	<0.01
Cadmium (Cd)	ppm	<= 0.01	<0.005
Calcium (Ca)	ppm	<= 0.5	<0.5
Chemical form		Mobile liquid	Mobile liquid
Chromium (Cr)	ppm	<= 0.02	<0.02
Cobalt (Co)	ppm	<= 0.01	<0.005
Colour	APHA	<= 10	<5
Copper (Cu)	ppm	<= 0.02	<0.01
Free chlorine (ppm)	ppm	<= 1	<1
Gallium (Ga)	ppm	<= 0.02	<0.01
Germanium (Ge)	ppm	<= 0.02	<0.01
Iron (Fe)	ppm	<= 0.2	<0.2
Lead (Pb)	ppm	<= 0.005	<0.005
Lithium (Li)	ppm	<= 0.01	<0.01
Magnesium (Mg)	ppm	<= 0.1	<0.05
Manganese (Mn)	ppm	<= 0.01	<0.01
Mercury (Hg)	ppm	<= 0.005	<0.005
Molybdenum (Mo)	ppm	<= 0.02	<0.005
Nickel (Ni)	ppm	<= 0.02	<0.01
Phosphate (PO4)	ppm	<= 0.5	<0.5
Potassium (K)	ppm	<= 0.1	<0.02
Residue after ignition	%	<= 0.0005	<0.0002
Sodium (Na)	ppm	<= 0.5	<0.2
Strontium (Sr)	ppm	<= 0.01	<0.005
Sulfate (SO4) (ppm)	ppm	<= 1	<1
Thallium (TI)	ppm	<= 0.02	<0.01
Titanium (Ti)	ppm	<= 0.02	<0.005
Vanadium (V)	ppm	<= 0.02	<0.005
Visual colour		Clear colourless	Clear colourless
Zinc (Zn)	ppm	<= 0.05	<0.05
Zirconium (Zr)	ppm	<= 0.02	<0.01

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.





Additional Information Meets the current analytical specification of Ph. Eur.

A.Ganatra

Ashok Ganatra Supervisor, QC

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 use or further manufacturing. 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.