

neoFroxx GmbH

Marie-Curie-Str. 3
64683 Einhausen
+49 6251 989 240
coa@neofroxx.com
www.neofroxx.com

Specification

Product	Hydrochloric acid fuming 37 % p.A., ACS (revised)
Product number	LC-7093
Synonyms	Muriatic acid, Spirits of salt, Hydronium chloride
Formula	HCl
Molecular weight	36.46 g/mol
CAS number	7647-01-0
Storage	below 25°C
Retest period (months)	48

We herewith confirm that this product meets the requirements of the American Chemical Society (ACS) grade reagents.

Parameter	Specification
Assay	37 - 38 %
Appearance	colourless and free of sediments (revised)
Identity	passes test
Colour	<= 10 Hazen
Ammonium (NH ₄)	<= 0.0001 %
Bromide (Br)	<= 0.005 %
Free chlorine (Cl)	<= 0.00004 %
Phosphate (PO ₄)	<= 0.00005 %
Sulfate (SO ₄)	<= 0.00005 %
Sulfite (SO ₃)	<= 0.00005 %
Heavy metals (Pb)	<= 0.0001 %
Silver (Ag)	<= 0.000002 %
Aluminium (Al)	<= 0.000005 %
Arsenic (As)	<= 0.000001 %
Gold (Au)	<= 0.000005 %
Boron (B)	<= 0.00001 %
Barium (Ba)	<= 0.000001 %
Beryllium (Be)	<= 0.000001 %

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Bismuth (Bi)	<= 0.000005 %
Calcium (Ca)	<= 0.00003 %
Cadmium (Cd)	<= 0.000001 %
Cobalt (Co)	<= 0.000001 %
Chromium (Cr)	<= 0.000001 %
Copper (Cu)	<= 0.000001 %
Iron (Fe)	<= 0.00001 %
Gallium (Ga)	<= 0.000005 %
Germanium (Ge)	<= 0.000002 %
Mercury (Hg)	<= 0.000001 %
Potassium (K)	<= 0.00001 %
Lithium (Li)	<= 0.000001 %
Magnesium (Mg)	<= 0.000005 %
Manganese (Mn)	<= 0.000001 %
Molybdenum (Mo)	<= 0.000001 %
Sodium (Na)	<= 0.00003 %
Nickel (Ni)	<= 0.000002 %
Lead (Pb)	<= 0.000001 %
Platinum (Pt)	<= 0.00001 %
Tin (Sn)	<= 0.000005 %
Strontium (Sr)	<= 0.000001 %
Titanium (Ti)	<= 0.000002 %
Thallium (Tl)	<= 0.000002 %
Vanadium (V)	<= 0.000001 %
Zinc (Zn)	<= 0.000002 %
Zirconium (Zr)	<= 0.000002 %
Extractable organic substances	<= 0.0005 %

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Product	Hydrochloric acid fuming 37 % p.A., ACS (revised)
Parameter	Specification
Residue on ignition (Ash)	$\leq 0.0003 \%$
Non-volatile matter	$\leq 0.001 \%$

Einhausen, 26.03.2025